

Using the Power BI REST APIs

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The Power BI REST APIs provide service endpoints for embedding, administration, governance and user resources.

With Power BI REST APIs you can do the following:

- Manage Power BI content
- Perform admin operations
- Embed Power BI Content

ⓘ Note

- Some of the Power BI APIs refer to workspaces as groups. Any reference to groups means that you're working with workspaces.
- When accessing Power BI REST API, your request and response content and data may be processed by data centers in regions other than the home region of your Power BI tenant.

Scopes

To use the Power BI REST APIs, you need to register an Azure Active Directory (Azure AD) application in Azure. The Azure AD app establishes permissions for Power BI REST resources, and allows access to the Power BI REST APIs. To learn how to register an app, see [Register an Azure AD application to use with Power BI](#).

After registering an Azure AD app, you can authenticate against it using either the Azure AD (v1.0; ADAL) or the Microsoft identity platform (v2.0; MSAL) endpoints. To learn more about how these authentication methods work, see [Why update to Microsoft identity platform \(v2.0\)?](#)

For more information about Power BI access permissions, see [Permissions and consent in the Microsoft identity platform endpoint](#).

Using a service principal

Scopes are not required if you're using a [service principal](#). Once you enable a service principal to be used with Power BI, the application's AD permissions don't take effect anymore. When using a service principal, the application's permissions are managed through the Power BI admin portal. For more information see [Enable the Power BI service admin settings](#).

Adding scopes

To add permissions to your Azure AD app, follow these steps:

1. Open your App in Azure.
2. From the left, under *Manage*, select **API permissions**.
3. Select **Add a permission**.
4. In the *Request API permissions* window, select **Power BI Service**.
5. Select **Delegated permissions**. A list of APIs is displayed.
6. Expand the API you want to add permissions to, and select the permissions you want to add to it.
7. Select **Add permissions**.

Removing scopes

To remove a permissions from your Azure AD app, follow these steps:

1. Open your App in Azure.
2. From the left, under *Manage*, select **API permissions**.
3. Select the **Context menu** (permission ellipsis).
4. Select **Remove permission**.

Throttling

Power BI uses throttling to maintain optimal performance and reliability. To prevent overuse of resources from single users, Power BI limits the number of API calls within a time window per user.

When a user sends a number of requests that exceeds a predetermined limit during a time window, Power BI throttles any further requests from that user for a short period.

When applications experience throttling, Power BI returns an HTTP status code 429 (Too many requests) with a Retry-After HTTP header in the response, indicating how many seconds the calling application has to wait before making a new request.

REST Operation groups

This table lists the Power BI REST API operation groups.

ⓘ Note

To manage Power BI Embedded capacities, use the [Power BI Embedded Azure Resource Manager REST APIs](#).

Operation group	Description
Admin	Operations for working with administrative tasks.
Apps	Operations for working with Apps.
Available Features	Operations that return available features.
Capacities	Operations for working with capacities.
Dashboards	Operations for working with dashboards.
Dataflow Storage Accounts	Operations for working with dataflow storage accounts.
Dataflows	Operations for working with dataflows.
Datasets	Operations for working with datasets.
Embed Token	Operations for working with embed tokens.
Gateways	Operations for working with gateways.
Groups	Operations for working with groups.
Imports	Operations for working with imports.
Pipelines	Operations for working with deployment pipelines.
Push Datasets	Operations for working with push datasets.
Reports	Operations for working with reports.

Operation group	Description
Template Apps	Operations for working with Template Apps.
Users	Operations for working with users.

Next steps

[Playground](#)

[Power BI embedded analytics documentation](#)

[.NET SDK](#)

Admin

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 Expand table

Add Power BI Encryption Key	Adds an encryption key for Power BI workspaces assigned to a capacity.
Apps GetAppsAsAdmin	Returns a list of apps in the organization.
Apps GetAppUsersAsAdmin	Returns a list of users that have access to the specified app.
Capacities AssignWorkspacesToCapacity	Assigns the specified workspaces to the specified Premium capacity.
Capacities GetCapacityUsersAsAdmin	Returns a list of users that have access to the specified workspace.
Capacities UnassignWorkspacesFromCapacity	Unassigns the specified workspaces from capacity.
Dashboards GetDashboardsAsAdmin	Returns a list of dashboards for the organization.
Dashboards GetDashboardsInGroupAsAdmin	Returns a list of dashboards from the specified workspace.
Dashboards GetDashboardSubscriptionsAsAdmin	Returns a list of dashboard subscriptions along with subscriber details. This is a preview API call.
Dashboards GetDashboardUsersAsAdmin	Returns a list of users that have access to the specified dashboard.
Dashboards GetTilesAsAdmin	Returns a list of tiles within the specified dashboard.
Dataflows ExportDataflowAsAdmin	Exports the definition for the specified dataflow to a JSON file.
Dataflows GetDataflowDatasourcesAsAdmin	Returns a list of data sources for the specified dataflow.

Dataflows GetDataflowsAsAdmin	Returns a list of dataflows for the organization.
Dataflows GetDataflowsInGroupAsAdmin	Returns a list of dataflows from the specified workspace.
Dataflows GetDataflowUsersAsAdmin	Returns a list of users that have access to the specified dataflow.
Dataflows GetUpstreamDataflowsInGroupAsAdmin	Returns a list of upstream dataflows for the specified dataflow.
Datasets GetDatasetsAsAdmin	Returns a list of datasets for the organization.
Datasets GetDatasetsInGroupAsAdmin	Returns a list of datasets from the specified workspace.
Datasets GetDatasetToDataflowsLinksInGroupAsAdmin	Returns a list of upstream dataflows for datasets from the specified workspace.
Datasets GetDatasetUsersAsAdmin	Returns a list of users that have access to the specified dataset.
Datasets GetDatasourcesAsAdmin	Returns a list of data sources for the specified dataset.
Get Activity Events	Returns a list of audit activity events for a tenant.
Get Capacities As Admin	Returns a list of capacities for the organization.
Get Power BI Encryption Keys	Returns the encryption keys for the tenant.
Get Refreshable For Capacity	Returns the specified refreshable for the specified capacity that the user has access to.
Get Refreshables	Returns a list of refreshables for the organization within a capacity.
Get Refreshables For Capacity	Returns a list of refreshables for the specified capacity that the user has access to.
Groups AddUserAsAdmin	Grants user permissions to the specified workspace.
Groups DeleteUserAsAdmin	Removes user permissions from the specified workspace.
Groups GetGroupAsAdmin	Returns a workspace for the organization.
Groups GetGroupsAsAdmin	Returns a list of workspaces for the organization.

Groups GetGroupUsersAsAdmin	Returns a list of users that have access to the specified workspace.
Groups GetUnusedArtifactsAsAdmin	Returns a list of datasets, reports, and dashboards that have not been used within 30 days for the specified workspace. This is a preview API call.
Groups RestoreDeletedGroupAsAdmin	Restores a deleted workspace.
Groups UpdateGroupAsAdmin	Updates the properties of the specified workspace.
Imports GetImportsAsAdmin	Returns a list of imports for the organization.
InformationProtection RemoveLabelsAsAdmin	Remove sensitivity labels from Power BI items (such as reports or dashboards) by item ID.
InformationProtection SetLabelsAsAdmin	Set sensitivity labels on Power BI items (such as reports or dashboards) by item ID.
Patch Capacity As Admin	Changes specific capacity information. Currently, this API call only supports changing the capacity's encryption key.
Pipelines DeleteUserAsAdmin	Removes user permissions from a specified deployment pipeline.
Pipelines GetPipelinesAsAdmin	Returns a list of deployment pipelines for the organization.
Pipelines GetPipelineUsersAsAdmin	Returns a list of users that have access to a specified deployment pipeline.
Pipelines UpdateUserAsAdmin	Grants user permissions to a specified deployment pipeline.
Profiles DeleteProfileAsAdmin	Deletes the specified service principal profile.
Profiles GetProfilesAsAdmin	Returns a list of service principal profiles for the organization.
Reports GetReportsAsAdmin	Returns a list of reports for the organization.
Reports GetReportsInGroupAsAdmin	Returns a list of reports from the specified workspace.
Reports GetReportSubscriptionsAsAdmin	Returns a list of report subscriptions along with subscriber details. This is a preview API call.
Reports GetReportUsersAsAdmin	Returns a list of users that have access to the specified report.

Rotate Power BI Encryption Key	Rotate the encryption key for Power BI workspaces assigned to a capacity.
Users GetUserArtifactAccessAsAdmin	Returns a list of Power BI items (such as reports or dashboards) that the specified user has access to.
Users GetUserSubscriptionsAsAdmin	Returns a list of subscriptions for the specified user. This is a preview API call.
WidelySharedArtifacts LinksSharedToWholeOrganization	Returns a list of Power BI reports that are shared with the whole organization through links.
WidelySharedArtifacts PublishedToWeb	Returns a list of Power BI items (such as reports or dashboards) that are published to the web.
WorkspacelInfo GetModifiedWorkspaces	Gets a list of workspace IDs in the organization.
WorkspacelInfo GetScanResult	Gets the scan result for the specified scan.
WorkspacelInfo GetScanStatus	Gets the scan status for the specified scan.
WorkspacelInfo PostWorkspacelInfo	Initiates a call to receive metadata for the requested list of workspaces.

Admin - Add Power BI Encryption Key

Reference

Service: Power BI REST APIs

API Version: v1.0

Adds an encryption key for Power BI workspaces assigned to a capacity.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 600 requests per hour.

HTTP

POST <https://api.powerbi.com/v1.0/myorg/admin/tenantKeys>

Request Body

[\[+\] Expand table](#)

Name	Type	Description
activate	boolean	Whether to activate any inactivated capacities and to use this key for its encryption
isDefault	boolean	Whether an encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies an encryption key in Azure Key Vault
name	string	The name of the encryption key

Responses

 Expand table

Name	Type	Description
200 OK	TenantKey	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/tenantKeys
```

Request Body

JSON

```
{
  "name": "Contoso Sales",
  "keyVaultKeyIdentifier": "https://contoso-
vaul2.vault.azure.net/keys/ContosoKeyVault/b2ab4ba1c7b341eea5ecaaa2wb54c4d2
",
  "activate": true,
  "isDefault": true
}
```

Sample response

Status code: 200

JSON

```
{
  "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
  "name": "Contoso Sales",
  "keyVaultKeyIdentifier": "https://contoso-
vaul2.vault.azure.net/keys/ContosoKeyVault/b2ab4ba1c7b341eea5ecaaa2wb54c4d2
",
  "isDefault": true,
  "createdAt": "2019-04-30T21:35:15.867-07:00",
```

```
        "updatedAt": "2019-04-30T21:35:15.867-07:00"  
    }
```

Definitions

[\[+\] Expand table](#)

Name	Description
TenantKey	Encryption key information
TenantKeyCreationRequest	Add encryption key request

TenantKey

Encryption key information

[\[+\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

TenantKeyCreationRequest

Add encryption key request

[\[+\] Expand table](#)

Name	Type	Description
activate	boolean	Whether to activate any inactivated capacities and to use this key for its encryption

isDefault	boolean	Whether an encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies an encryption key in Azure Key Vault
name	string	The name of the encryption key

Admin - Apps GetAppUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified app.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/apps/{appId}/users
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
appId	path	True	string uuid	The app ID

Responses

[+] Expand table

Name	Type	Description
200 OK	AppUsers	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/apps/f089354e-8366-4e18-aea3-4cb4a3a50b48/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "displayName": "John Nick",
      "emailAddress": "john@contoso.com",
      "appUserAccessRight": "ReadExplore",
      "identifier": "john@contoso.com",
      "graphId": "3fadbe4-130c-4a8f-aeac-416e38b66756",
      "principalType": "User"
    }
  ]
}
```

Definitions

[+] Expand table

Name	Description
------	-------------

AppUser	A Power BI user access right entry for an app
AppUserAccessRight	The access right that the user has for the app
AppUsers	The OData response wrapper for a list of Power BI users with access to an app
PrincipalType	The principal type

AppUser

A Power BI user access right entry for an app

[\[+\] Expand table](#)

Name	Type	Description
appUserAccessRight	AppUserAccessRight	The access right that the user has for the app
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	PrincipalType	The principal type

AppUserAccessRight

The access right that the user has for the app

[\[+\] Expand table](#)

Name	Type	Description
All	string	Grants Read, Write, Explore, Reshare and Copy access to content in app
None	string	No permission to content in app
Read	string	Grants Read access to content in app

ReadCopy	string	Grants Read and Copy access to content in app
ReadExplore	string	Grants Read and Explore access to content in app
ReadExploreCopy	string	Grants Read, Explore and Copy access to content in app
ReadReshare	string	Grants Read and Reshare access to content in app
ReadReshareCopy	string	Grants Read, Reshare, and Copy access to content in app
ReadReshareExplore	string	Grants Read, Reshare and Explore access to content in app
ReadReshareExploreCopy	string	Grants Read, Reshare, Explore and Copy access to content in app
ReadWrite	string	Grants Read and Write access to content in app
ReadWriteExplore	string	Grants Read, Write and Explore access to content in app
ReadWriteExploreCopy	string	Grants Read, Write, Explore and Copy access to content in app
ReadWriteReshare	string	Grants Read, Write and Reshare access to content in app
ReadWriteReshareExplore	string	Grants Read, Write, Reshare and Explore access to content in app

AppUsers

The OData response wrapper for a list of Power BI users with access to an app

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	
value	AppUser[]	The list of users with access to an app

PrincipalType

The principal type

[Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Admin - Apps GetAppsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of apps in the organization.

The query parameter `$top` is required.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/apps?$top={$top}
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/apps?$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
\$top	query	True	integer	The requested number of apps.
\$skip	query		integer	The number entries to be skipped.

Responses

[+] Expand table

Name	Type	Description
200 OK	AdminApps	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/apps?$top=10
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "f089354e-8366-4e18-aea3-4cb4a3a50b48",
      "description": "The finance app",
      "name": "Finance",
      "publishedBy": "Bill",
      "lastUpdate": "2019-01-13T09:46:53.094+02:00"
    },
    {
      "id": "f089354e-8366-4e18-aea3-4cb4a3a50b49",
      "description": "The sales app",
      "name": "Sales",
      "publishedBy": "John",
      "lastUpdate": "2019-01-13T09:46:53.094+02:00"
    }
  ]
}
```

```

        "id": "3d9b93c6-7b6d-4801-a491-1738910904fd",
        "description": "The marketing app",
        "name": "Marketing",
        "publishedBy": "Ben",
        "lastUpdate": "2018-11-13T09:46:53.094+02:00"
    }
]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
AdminApp	
AdminApps	The OData response wrapper for a list of Power BI installed apps for Admin APIs

AdminApp

[\[\] Expand table](#)

Name	Type	Description
description	string	The app description
id	string	The app ID
lastUpdate	string	The date and time the app was last updated
name	string	The app name
publishedBy	string	The app publisher
workspaceId	string	Associated workspace for the app

AdminApps

The OData response wrapper for a list of Power BI installed apps for Admin APIs

[\[\] Expand table](#)

Name	Type	Description

odata.context	string	OData context
value	AdminApp[]	The list of installed apps

Admin - Capacities

AssignWorkspacesToCapacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Assigns the specified workspaces to the specified Premium capacity.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/capacities/AssignWorkspaces
```

Request Body

[+] Expand table

Name	Type	Description
capacityMigrationAssignments	CapacityMigrationAssignment[]	Assignment contract for migrating workspaces to a premium capacity as tenant admin

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/capacities/AssignWorkspaces
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
AssignWorkspacesToCapacityRequest	A request to assign workspaces to a premium capacity
CapacityMigrationAssignment	Assignment contract for migrating workspaces to a premium capacity as tenant admin

AssignWorkspacesToCapacityRequest

A request to assign workspaces to a premium capacity

[\[+\] Expand table](#)

Name	Type	Description
capacityMigrationAssignments	Capacity Migration Assignment[]	Assignment contract for migrating workspaces to a premium capacity as tenant admin

CapacityMigrationAssignment

Assignment contract for migrating workspaces to a premium capacity as tenant admin

[Expand table](#)

Name	Type	Description
targetCapacityObjectId	string	The premium capacity ID
workspacesToAssign	string[]	The workspace IDs to migrate to a premium capacity

Admin - Capacities

GetCapacityUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified workspace.

Permissions

The user must be a Fabric administrator.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/users
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
capacityId	path	True	string uuid	The capacity ID

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Capacity Users	OK

Definitions

[+] [Expand table](#)

Name	Description
CapacityUser	A Power BI user access right entry for a capacity
capacityUserAccessRight	The access right that the user has on the capacity
CapacityUsers	The OData response wrapper for a list of Power BI users with access to a capacity
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

CapacityUser

A Power BI user access right entry for a capacity

[+] [Expand table](#)

Name	Type	Description
capacityUserAccessRight	capacityUserAccessRight	The access right that the user has on the capacity
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.

identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

capacityUserAccessRight

The access right that the user has on the capacity

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

CapacityUsers

The OData response wrapper for a list of Power BI users with access to a capacity

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Capacity User[]	The list of users with access to a capacity

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Capacities

UnassignWorkspacesFromCapacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Unassigns the specified workspaces from capacity.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/capacities/UnassignWorkspaces
```

Request Body

[+] Expand table

Name	Required	Type	Description
workspacesToUnassign	True	string[]	The workspaces to migrate to a shared capacity

Responses

[+] Expand table

Name	Type	Description

200 OK

OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/capacities/UnassignWorkspaces
```

Sample response

Status code: 200

Definitions

UnassignWorkspacesCapacityRequest

A request for migrating workspaces to a shared capacity as tenant admin

[+] Expand table

Name	Type	Description
workspacesToUnassign	string[]	The workspaces to migrate to a shared capacity

Admin - Dashboards

GetDashboardSubscriptionsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dashboard subscriptions along with subscriber details. This is a preview API call.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/admin/dashboards/{dashboardId}/subscriptions</code>

URI Parameters

[\[\] Expand table](#)

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID

Responses

 Expand table

Name	Type	Description
200 OK	Subscriptions	OK

Examples

Example

Sample request

HTTP

```
GET  
https://api.powerbi.com/v1.0/myorg/admin/dashboards/{dashboardId}/subscriptions
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "18b746fe-c6d5-4a00-9523-05dc91424275",  
      "title": "TestDashboardSubscription-1",  
      "artifactId": "7b71b90a-a333-4006-b12c-ef3d767fa4e9",  
      "artifactDisplayName": "Customer Profitability Sample",  
      "artifactType": "Dashboard",  
      "isEnabled": true,  
      "frequency": "Daily",  
      "startDate": "10/13/2021 12:00:00 AM",  
      "endDate": "10/13/2022 12:00:00 AM",  
      "linkToContent": true,  
      "previewImage": false,  
      "users": [  
        {  
          "displayName": "John Nick",  
          "emailAddress": "john@contoso.com",  
          "identifier": "john@contoso.com",  
          "graphId": "3fadbe4-130c-4a8f-aeac-416e38b66756",  
          "principalType": "User"  
        }  
      ]  
    }  
  ]  
}
```

```
        }
    ]
}
}
```

Definitions

[+] [Expand table](#)

Name	Description
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
Subscriptions	OData response wrapper for a Power BI subscriptions
SubscriptionUser	A Power BI email subscription user

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\]](#) **Expand table**

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	Subscription User[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming

release. You can retrieve subscription information on a Power BI report or dashboard by using the [Get Report Subscriptions As Admin](#) or [Get Dashboard Subscriptions As Admin](#) API calls.

Subscriptions

OData response wrapper for a Power BI subscriptions

[+] [Expand table](#)

Name	Type	Description
odata.context	string	
value	Subscription[]	Power BI email subscription

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - Dashboards

GetDashboardUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified dashboard.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP
GET https://api.powerbi.com/v1.0/myorg/admin/dashboards/{dashboardId}/users

URI Parameters

[+] Expand table

Name	In	Required	Type	Description

dashboardId	path	True	string uuid	The dashboard ID
--------------------	------	------	----------------	------------------

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	Dashboard Users	OK

Examples

Example

Sample request

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/admin/dashboards/{dashboardId}/users</code>

Sample response

Status code: 200

JSON
<pre>{ "value": [{ "displayName": "John Nick", "emailAddress": "john@contoso.com", "dashboardUserAccessRight": "Owner", "identifier": "john@contoso.com", "graphId": "3fadb6e4-130c-4a8f-aeac-416e38b66756", "principalType": "User" }] }</pre>

Definitions

[Expand table](#)

Name	Description
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUserAccessRight	The access right that the user has for the dashboard (permission level)
DashboardUsers	The OData response wrapper for a list of Power BI users with access to a dashboard
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

DashboardUser

A Power BI user access right entry for a dashboard

[Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

DashboardUsers

The OData response wrapper for a list of Power BI users with access to a dashboard

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	DashboardUser()	The list of users with access to a dashboard

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Dashboards

GetDashboardsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dashboards for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 50 requests per hour or 5 requests per minute, per tenant.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dashboards
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dashboards?$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports tiles.
\$filter	query		string	Returns a subset of a results based on Odata ↗ filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[+] Expand table

Name	Type	Description
200 OK	Admin Dashboards	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dashboards
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",
      "displayName": "SalesMarketing",
      "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",
      "isReadOnly": false,
      "workspaceId": "abfbdc89-2659-43c1-9142-93e8378eac96"
    }
  ]
}
```

Definitions

[\[\] Expand table](#)

Name	Description
Admin Dashboard	A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
Admin Dashboards	The OData response wrapper for a Power BI dashboard collection
AdminTile	A Power BI tile returned by Admin APIs.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

AdminDashboard

A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
tiles	AdminTile[]	The tiles that belong to the dashboard
users	DashboardUser[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard
workspaceId	string	The workspace ID (GUID) of the dashboard. This property will be returned only in GetDashboardsAsAdmin.

AdminDashboards

The OData response wrapper for a Power BI dashboard collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	AdminDashboard[]	The dashboard collection

AdminTile

A Power BI tile returned by Admin APIs.

[+] Expand table

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

DashboardUser

A Power BI user access right entry for a dashboard

[+] Expand table

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Profile

userType	string	Type of the user.
----------	--------	-------------------

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[+] Expand table

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call , the returned

value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the [Get Report Subscriptions As Admin](#) or [Get Dashboard Subscriptions As Admin](#) API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - Dashboards

GetDashboardsInGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dashboards from the specified workspace.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/dashboards
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/dashboards?  
$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
\$filter	query		string	Returns a subset of a results based on Odata ↗ filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[+] Expand table

Name	Type	Description
200 OK	Admin Dashboards	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",
      "displayName": "SalesMarketing",
      "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48",
      "isReadOnly": false
    }
  ]
}
```

Definitions

[\[\] Expand table](#)

Name	Description
Admin Dashboard	A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
Admin Dashboards	The OData response wrapper for a Power BI dashboard collection
AdminTile	A Power BI tile returned by Admin APIs.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

AdminDashboard

A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
tiles	AdminTile[]	The tiles that belong to the dashboard
users	DashboardUser[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard
workspaceId	string	The workspace ID (GUID) of the dashboard. This property will be returned only in GetDashboardsAsAdmin.

AdminDashboards

The OData response wrapper for a Power BI dashboard collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	AdminDashboard[]	The dashboard collection

AdminTile

A Power BI tile returned by Admin APIs.

[+] Expand table

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

DashboardUser

A Power BI user access right entry for a dashboard

[+] Expand table

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Profile

userType	string	Type of the user.
----------	--------	-------------------

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[+] Expand table

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call , the returned

value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the [Get Report Subscriptions As Admin](#) or [Get Dashboard Subscriptions As Admin](#) API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - Dashboards GetTilesAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of tiles within the specified dashboard.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dashboards/{dashboardId}/tiles
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID

Responses

[+] Expand table

Name	Type	Description
200 OK	AdminTiles	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
      "title": "SalesMarketingTile",
      "embedUrl": "https://app.powerbi.com/embed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&tileId=312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
      "rowSpan": 0,
      "colSpan": 0,
      "reportId": "5b218778-e7a5-4d73-8187-f10824047715",
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ]
}
```

Definitions

[+] Expand table

Name	Description
AdminTile	A Power BI tile returned by Admin APIs.
AdminTiles	The OData response wrapper for a Power BI tile collection

AdminTile

A Power BI tile returned by Admin APIs.

[\[+\] Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

AdminTiles

The OData response wrapper for a Power BI tile collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	AdminTile[]	The tile collection

Admin - Dataflows

ExportDataflowAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Exports the definition for the specified dataflow to a JSON file.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dataflows/{dataflowId}/export
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dataflowId	path	True	string uuid	The dataflow ID

Responses

 [Expand table](#)

Name	Type	Description
200 OK	file	Exported Json file

Admin - Dataflows

GetDataflowDatasourcesAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources for the specified dataflow.

Deleted data sources will still appear in the response. This may include both cloud and on-premise data gateway sources. For more information see [Dataflows considerations and limitations](#).

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/admin/dataflows/{dataflowId}/datasources</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description

dataflowId	path	True	string uuid	The dataflow ID
-------------------	------	------	----------------	-----------------

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dataflows/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "name": "301",
      "connectionString": "data source=MyServer.database.windows.net;initial catalog=MyDatabase;persist security info=True;encrypt=True;trustservercertificate=False",
      "datasourceType": "Sql",
      "datasourceId": "16a54ccd-620d-4af3-9197-0b8c779a9a6d",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
      "connectionDetails": {
        "server": "MyServer.database.windows.net",
        "database": "MyDatabase"
      }
    }
  ]
}
```

```
]  
}
```

Definitions

[] Expand table

Name	Description
Datasource	A Power BI data source
DatasourceConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
Datasources	The OData response wrapper for a Power BI data source collection

Datasource

A Power BI data source

[] Expand table

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[+] Expand table

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

Datasources

The OData response wrapper for a Power BI data source collection

[+] Expand table

Name	Type	Description
odata.context	string	OData context
value	Datasource[]	The data source collection

Admin - Dataflows

GetDataflowUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified dataflow.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dataflows/{dataflowId}/users
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
------	----	----------	------	-------------

dataflowId	path	True	string uuid	The dataflow ID
-------------------	------	------	----------------	-----------------

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	Dataflow Users	OK

Examples

Example

Sample request

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/admin/dataflows/{dataflowId}/users</code>

Sample response

Status code: 200

JSON
<pre>{ "value": [{ "displayName": "John Nick", "emailAddress": "john@contoso.com", "dataflowUserAccessRight": "ReadWrite", "identifier": "john@contoso.com", "graphId": "3fadb6e4-130c-4a8f-aeac-416e38b66756", "principalType": "User" }] }</pre>

Definitions

[Expand table](#)

Name	Description
DataflowUser	A Power BI user access right entry for a dataflow
DataflowUserAccessRight	The access right that a user has for the dataflow (permission level)
DataflowUsers	The OData response wrapper for a list of Power BI users with access to a dataflow
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

DataflowUser

A Power BI user access right entry for a dataflow

[Expand table](#)

Name	Type	Description
DataflowUserAccessRight	Dataflow UserAccess Right	The access right that a user has for the dataflow (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[+] Expand table

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow
Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

DataflowUsers

The OData response wrapper for a list of Power BI users with access to a dataflow

[+] Expand table

Name	Type	Description
odata.context	string	
value	Dataflow User[]	The list of users with access to a dataflow

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Dataflows

GetDataflowsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dataflows for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dataflows
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dataflows?$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
\$filter	query		string	Returns a subset of a results based on Odata filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[Expand table](#)

Name	Type	Description
200 OK	Admin Dataflows	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/dataflows
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "objectId": "bd32e5c0-363f-430b-a03b-5535a4804b9b",
      "name": "AdventureWorks",
      "description": "Our Adventure Works",
      "modelUrl": "
```

```

    "https://MyDataflowStorageAccount.dfs.core.windows.net/powerbi/contoso/AdventureWorks/model.json",
    "configuredBy": "john@contoso.com",
    "workspaceId": "6369a442-4bc4-425c-916d-460c42be746b"
  }
]
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
Admin Dataflow	The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.
Admin Dataflows	OData response wrapper for a Power BI Admin dataflow collection
DataflowUser	A Power BI user access right entry for a dataflow
DataflowUser AccessRight	The access right that a user has for the dataflow (permission level)
PrincipalType	The principal type
Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

AdminDataflow

The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
configuredBy	string	The dataflow owner

description	string	The dataflow description
modelUrl	string	A URL to the dataflow definition file (model.json)
modifiedBy	string	The user that modified the dataflow
modifiedDateTime	string	The date and time that the dataflow was last modified
name	string	The dataflow name
objectId	string	The dataflow ID
users	Dataflow User[]	(Empty value) The dataflow user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dataflow by using the Get Dataflow Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUser</code> parameter.
workspaceId	string	The dataflow workspace ID.

AdminDataflows

OData response wrapper for a Power BI Admin dataflow collection

[+] [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Admin Dataflow[]	The report collection

DataflowUser

A Power BI user access right entry for a dataflow

[+] [Expand table](#)

Name	Type	Description
DataflowUserAccessRight	Dataflow UserAccess Right	The access right that a user has for the dataflow (permission level)
displayName	string	Display name of the principal

emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow
Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.

User	string	User principal type
------	--------	---------------------

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Dataflows

GetDataflowsInGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dataflows from the specified workspace.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/dataflows
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/dataflows?  
$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
\$filter	query		string	Returns a subset of a results based on Odata ↗ filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataflows	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dataflows
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "objectId": "bd32e5c0-363f-430b-a03b-5535a4804b9b",
      "name": "Adventureworks",
      "description": "Our Adventure Works",
      "modelUrl":
      "https://MyDataflowStorageAccount.dfs.core.windows.net/powerbi/contoso/AdventureWorks/model.json",
      "configuredBy": "john@contoso.com"
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Dataflow	The metadata of a dataflow. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.
Dataflows	OData response wrapper for a dataflow metadata list
DataflowUser	A Power BI user access right entry for a dataflow
DataflowUser AccessRight	The access right that a user has for the dataflow (permission level)
PrincipalType	The principal type
Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Dataflow

The metadata of a dataflow. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.

[] Expand table

Name	Type	Description
configuredBy	string	The dataflow owner
description	string	The dataflow description
modelUrl	string	A URL to the dataflow definition file (model.json)
modifiedBy	string	The user that modified the dataflow
modifiedDateTime	string	The date and time that the dataflow was last modified
name	string	The dataflow name
objectId	string	The dataflow ID
users	DataflowUser[]	(Empty value) The dataflow user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dataflow by using the Get Dataflow Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUser</code> parameter.

Dataflows

OData response wrapper for a dataflow metadata list

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Dataflow[]	The dataflow metadata list

DataflowUser

A Power BI user access right entry for a dataflow

[\[+\] Expand table](#)

Name	Type	Description
DataflowUserAccessRight	DataflowUserAccessRight	The access right that a user has for the dataflow (permission level)

displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow
Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type

None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

 [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Dataflows

GetUpstreamDataflowsInGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of upstream dataflows for the specified dataflow.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/dataflows/{dataflowId}/upstreamDataflows`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dataflowId	path	True	string uuid	The dataflow ID
groupId	path	True	string uuid	The workspace ID

Responses

[Expand table](#)

Name	Type	Description
200 OK	Dependent Dataflows	OK

Examples

Example

Sample request

HTTP
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dataflows/cfafbeb1-8037-4d0c-896e-a46fb27ff229/upstreamDataflows

Sample response

Status code: 200

JSON
{ "value": [{ "targetDataflowId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229", "groupId": "f089354e-8366-4e18-aea3-4cb4a3a50b48" }, { "targetDataflowId": "67a4529b-0cdd-4584-9867-5c0e77d57a2f", "groupId": "f089354e-8366-4e18-aea3-4cb4a3a50b48" }] }

```
]  
}
```

Definitions

[] Expand table

Name	Description
DependentDataflow	A Power BI dependent dataflow
DependentDataflows	The OData response wrapper for a list of Power BI dependent dataflows

DependentDataflow

A Power BI dependent dataflow

[] Expand table

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

DependentDataflows

The OData response wrapper for a list of Power BI dependent dataflows

[] Expand table

Name	Type	Description
odata.context	string	
value	Dependent Dataflow []	The dependent dataflows

Admin - Datasets

GetDatasetToDataflowsLinksInGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of upstream dataflows for datasets from the specified workspace.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/datasets/upstreamDataflows`

URI Parameters

[\[\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Dataset ToDataflow Links Response	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/upstreamDataflows
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasetObjectId": "0d6e2a35-c606-4fb7-8690-1b3a5370a294",
      "dataflowObjectId": "4caab73a-2660-4255-8e53-de6745f3d92c",
      "workspaceObjectId": "358240c2-b8f3-4817-aa7a-0efa03687a7b"
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
DatasetToDataflowLinkResponse	A Power BI dataset to dataflow link
DatasetToDataflowLinksResponse	The OData response wrapper for a list of Power BI dataset to dataflow links

DatasetToDataflowLinkResponse

A Power BI dataset to dataflow link

[\[+\] Expand table](#)

Name	Type	Description
dataflowObjectId	string	The dataflow object ID
datasetObjectId	string	The dataset object ID
workspaceObjectId	string	The workspace object ID

DatasetToDataflowLinksResponse

The OData response wrapper for a list of Power BI dataset to dataflow links

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Dataset ToDataflow Link Response[]	The dataset to dataflow links

Admin - Datasets

GetDatasetUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified dataset.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

The permissions for this API call are listed in [Datasets permissions](#).

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/datasets/{datasetId}/users
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
------	----	----------	------	-------------

datasetId	path	True	string uuid	The dataset ID
------------------	------	------	----------------	----------------

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	Dataset Users	OK

Examples

Example

Sample request

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/admin/datasets/{datasetId}/users</code>

Sample response

Status code: 200

JSON
<pre>{ "value": [{ "displayName": "John Nick", "emailAddress": "john@contoso.com", "datasetUserAccessRight": "ReadWriteReshareExplore", "identifier": "john@contoso.com", "graphId": "3fadb6e4-130c-4a8f-aeac-416e38b66756", "principalType": "User" }] }</pre>

Definitions

[Expand table](#)

Name	Description
DatasetUser	A Power BI user access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
DatasetUsers	The OData response wrapper for a list of Power BI users with access to a dataset
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

DatasetUser

A Power BI user access right entry for a dataset

[Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] Expand table

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DatasetUsers

The OData response wrapper for a list of Power BI users with access to a dataset

[+] Expand table

Name	Type	Description
odata.context	string	
value	DatasetUser[]	The list of users with access to a dataset

PrincipalType

The principal type

[Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Datasets GetDatasetsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of datasets for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 50 requests per hour or 5 requests per minute, per tenant.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/datasets
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/datasets?$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
\$filter	query		string	Returns a subset of a results based on Odata filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[Expand table](#)

Name	Type	Description
200 OK	Admin Datasets	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/datasets
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "addRowsAPIEnabled": false,
      "configuredBy": "john@contoso.com",
```

```

        "isRefreshable": true,
        "isEffectiveIdentityRequired": false,
        "isEffectiveIdentityRolesRequired": false,
        "isOnPremGatewayRequired": false,
        "isInPlaceSharingEnabled": false,
        "workspaceId": "5c968528-70b6-4588-809f-ce811ffa5c23"
    }
]
}

```

Definitions

[Expand table](#)

Name	Description
AdminDataset	A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
AdminDatasets	A dataset odata list wrapper
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

AdminDataset

A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode

upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset
workspaceId	string	The dataset workspace ID. This property will be returned only in <code>GetDatasetsAsAdmin</code> .

AdminDatasets

A dataset odata list wrapper

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Admin Dataset[]	The datasets

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[\[\] Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] Expand table

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset

		dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings

NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Datasets

GetDatasetsInGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of datasets from the specified workspace.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/datasets
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/datasets?  
$filter={$filter}&$top={$top}&$skip={$skip}&$expand={$expand}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
\$expand	query		string	Expands related entities inline
\$filter	query		string	Returns a subset of a results based on Odata ↗ filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Admin Datasets	OK

Examples

[\[+\] Expand table](#)

Example
Example with expand on encryption

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "addRowsAPIEnabled": false,  
      "configuredBy": "john@contoso.com",  
      "isRefreshable": true,  
      "isEffectiveIdentityRequired": false,  
      "isEffectiveIdentityRolesRequired": false,  
      "isOnPremGatewayRequired": false,  
      "isInPlaceSharingEnabled": false  
    }  
  ]  
}
```

Example with expand on encryption

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets?$expand=encryption
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "addRowsAPIEnabled": false,  
      "configuredBy": "john@contoso.com",  
      "isRefreshable": true,  
      "isEffectiveIdentityRequired": false,  
      "isEffectiveIdentityRolesRequired": false,  
      "isOnPremGatewayRequired": false,  
      "isInPlaceSharingEnabled": false  
    }  
  ]  
}
```

```

    "isEffectiveIdentityRequired": false,
    "isEffectiveIdentityRolesRequired": false,
    "isOnPremGatewayRequired": false,
    "isInPlaceSharingEnabled": false,
    "encryption": {
        "id": "cfafeb1-8037-4d0c-896e-a46fb27ff229",
        "encryptionStatus": "InSyncWithWorkspace"
    }
}
]
}

```

Definitions

[] Expand table

Name	Description
AdminDataset	A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
AdminDatasets	A dataset odata list wrapper
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

AdminDataset

A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the

availability of the data in the Power BI database.

[+] Expand table

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale	Query scale-out settings of a dataset

OutSettings		
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset
workspaceId	string	The dataset workspace ID. This property will be returned only in <code>GetDatasetsAsAdmin</code> .

AdminDatasets

A dataset odata list wrapper

[+] [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Admin Dataset[]	The datasets

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] Expand table

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset

ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the

		encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Datasets

GetDatasourcesAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources for the specified dataset.

Each request takes 0.5 seconds to process, during which time other requests are queued.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/admin/datasets/{datasetId}/datasources</code>

URI Parameters

[] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	

Responses

[Expand table](#)

Name	Type	Description
200 OK	Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "name": "301",
      "connectionString": "data source=MyServer.database.windows.net;initial catalog=MyDatabase;persist security info=True;encrypt=True;trustservercertificate=False",
      "datasourceType": "Sql",
      "datasourceId": "16a54ccd-620d-4af3-9197-0b8c779a9a6d",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
      "connectionDetails": {
        "server": "MyServer.database.windows.net",
        "database": "MyDatabase"
      }
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
Datasource	A Power BI data source
DatasourceConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
Datasources	The OData response wrapper for a Power BI data source collection

Datasource

A Power BI data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[\[+\] Expand table](#)

Name	Type	Description
------	------	-------------

account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

Datasources

The OData response wrapper for a Power BI data source collection

[Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Datasource[]	The data source collection

Admin - Get Activity Events

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of audit activity events for a tenant.

Provide either a continuation token or both a start and end date time. `StartTime` and `EndTime` must be in the same UTC day and should be wrapped in single quotes.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

Activity logging isn't supported for Microsoft Cloud Deutschland.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents?startTime={  
{startDateTime}&endTime={endDateTime}&continuationToken=
```

{continuationToken}&\$filter={\$filter}

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
\$filter	query		string	Filters the results based on a boolean condition, using 'Activity', 'UserId', or both properties. Supports only 'eq' and 'and' operators.
continuation Token	query		string	Token required to get the next chunk of the result set
endDateTime	query		string	End date and time of the window for audit event results. Must be in ISO 8601 compliant UTC format.
startDateTime	query		string	Start date and time of the window for audit event results. Must be in ISO 8601 compliant UTC format.

Responses

[+] Expand table

Name	Type	Description
200 OK	Activity Event Response	OK

Examples

[+] Expand table

[Get audit activity events within a time window and for a specific activity type and user ID example](#)

[Get audit activity events within a time window and for a specific activity type example](#)

[Get audit activity events within a time window and for a specific user ID example](#)

[Get audit activity events within a time window example](#)

Get the next set of audit activity events by sending the continuation token to the API example

Get audit activity events within a time window and for a specific activity type and user ID example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents?  
startTime='2019-08-13T07:55:00.000Z'&endTime='2019-08-  
13T08:55:00.000Z'&$filter=Activity eq 'viewreport' and UserId eq  
'john@contoso.com'
```

Sample response

Status code: 200

JSON

```
{  
    "activityEventEntities": [  
        {  
            "Id": "8fb974dc-739e-41e4-a219-b5801e28095e",  
            "RecordType": 20,  
            "CreationTime": "2023-05-23T08:06:47",  
            "Operation": "GetSnapshots",  
            "OrganizationId": "98c45f19-7cac-4002-8702-97d943a5ccb4",  
            "UserType": 0,  
            "UserKey": "10033FFF8929F27A",  
            "Workload": "PowerBI",  
            "UserId": "abc@contoso.onmicrosoft.com",  
            "ClientIP": "185.175.34.186",  
            "UserAgent": "Mozilla/5.0 (Windows NT 10.0; Win64; x64)  
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/113.0.0.0 Safari/537.36  
Edg/113.0.1774.50",  
            "Activity": "GetSnapshots",  
            "IsSuccess": true,  
            "RequestId": "ee4b5af1-9aa3-34fe-a163-7b188e865ef1",  
            "ActivityId": "cc1db5c9-ca04-484e-a6f2-f21de20bc000",  
            "ModelsSnapshots": []  
        },  
        {  
            "Id": "1db4c464-3e5d-4a89-b412-c2ce6fbae88e",  
            "CreationTime": "2023-05-23T08:43:34",  
            "Operation": "ViewReport",  
            "ClientIP": "122.172.83.253",  
            "Activity": "ViewReport",  
            "ItemName": "Capacity Metrics Analysis",  
            "IsSuccess": true,  
            "RequestId": "1db4c464-3e5d-4a89-b412-c2ce6fbae88e",  
            "ActivityId": "cc1db5c9-ca04-484e-a6f2-f21de20bc000",  
            "ModelsSnapshots": []  
        }  
    ]  
}
```

```

    "WorkSpaceName": "Premium Capacity Utilization And Metrics 5/19/2023
11:57:07 AM",
    "DatasetName": "Capacity Metrics Analysis",
    "ReportName": "Capacity Metrics Analysis",
    "CapacityId": "zy5bad4z-x1a2-491a-9f0c-f012171ee02e",
    "CapacityName": "Shared On Premium - Reserved",
    "WorkspaceId": "bf10ae91-c4f6-494e-b538-e2454229a765",
    "AppName": "Premium Capacity Utilization And Metrics",
    "ObjectId": "fb8a915c-b720-4a77-9e55-3a12fc42efcd",
    "DatasetId": "5760cb34-a245-4eb7-a4e3-4ecae264a577",
    "ReportId": "ae596344-7fe6-43cb-baa7-c7ddc63271c8",
    "ArtifactId": "ae596344-7fe6-43cb-baa7-c7ddc63271c8",
    "ArtifactName": "Capacity Metrics Analysis",
    "ReportType": "PowerBIReport",
    "RequestId": "9b8a4e32-b0c8-febf-c3c3-f25d45f682a4",
    "ActivityId": "67c2dd35-242a-7053-4e92-8a7d78db9704",
    "AppReportId": "3f87e0bd-a95d-40a4-bab5-5e206d643f8f",
    "DistributionMethod": "Apps",
    "ConsumptionMethod": "Power BI Web",
    "ArtifactKind": "Report"
}
],
"continuationUri":
"https://api.powerbi.com/v1.0/myorg/admin/activityevents?
continuationToken='%2BRID%3A244SAK1HY7YQAAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%
23FPC%3AARAAAAAAAFwAAAAAAA%3D'&$filter=Activity eq 'ViewReport'",
"continuationToken":
"%2BRID%3A244SAK1HY7YQAAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%23FPC%3AARAAAAAA
AAFwAAAAAAA%3D"
}

```

Get audit activity events within a time window and for a specific activity type example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents?
startTime='2019-08-13T07:55:00.000Z'&endTime='2019-08-
13T08:55:00.000Z'&$filter=Activity eq 'ViewReport'
```

Sample response

Status code: 200

JSON

```
{
  "activityEventEntities": [
    {
      "Id": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",
      "CreationTime": "2019-08-13T07:55:15",
      "Operation": "ViewReport",
      "OrganizationId": "e43e3248-3d83-44aa-a94d-c836bd7f9b79",
      "UserKey": "123456",
      "Activity": "ViewReport",
      "Workload": "PowerBI",
      "UserId": "john@contoso.com",
      "ClientIP": "127.0.0.1"
    },
    {
      "Id": "c632aa64-70fc-4e80-88f3-9fc2cdcacce8",
      "CreationTime": "2019-08-13T07:55:10",
      "Operation": "ViewReport",
      "OrganizationId": "e43e3248-3d83-44aa-a94d-c836bd7f9b79",
      "UserKey": "42343KJK53K45J",
      "Activity": "ViewReport",
      "Workload": "PowerBI",
      "UserId": "john@contoso.com",
      "ClientIP": "131.107.160.240",
      "CapacityId": "zy5bad4z-x1a2-491a-9f0c-f012171ee02e",
      "CapacityName": "Shared On Premium - Reserved",
      "WorkspaceId": "bf10ae91-c4f6-494e-b538-e2454229a765"
    }
  ],
  "continuationUri": "https://api.powerbi.com/v1.0/myorg/admin/activityevents?continuationToken=%2BRID%3A244SAK1HY7YQAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%23FPC%3AARAAAAAAAFAFwAAAAAAA%3D'&$filter=Activity eq 'ViewReport'",
  "continuationToken": "%2BRID%3A244SAK1HY7YQAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%23FPC%3AARAAAAAAAFAFwAAAAAAA%3D"
}
}
```

Get audit activity events within a time window and for a specific user ID example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents?
startDateDateTime='2019-08-13T07:55:00.000Z'&endDateTime='2019-08-13T08:55:00.000Z'&$filter=UserId eq 'john@contoso.com'
```

Sample response

Status code: 200

JSON

```
{  
    "activityEventEntities": [  
        {  
            "Id": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",  
            "CreationTime": "2019-08-13T07:55:15",  
            "Operation": "ViewReport",  
            "OrganizationId": "e43e3248-3d83-44aa-a94d-c836bd7f9b79",  
            "UserKey": "123456",  
            "Activity": "ViewReport",  
            "Workload": "PowerBI",  
            "UserId": "john@contoso.com",  
            "ClientIP": "127.0.0.1"  
        },  
        {  
            "Id": "c632aa64-70fc-4e80-88f3-9fc2cdcacce8",  
            "CreationTime": "2019-08-13T07:55:10",  
            "Operation": "ViewReport",  
            "OrganizationId": "e43e3248-3d83-44aa-a94d-c836bd7f9b79",  
            "UserKey": "42343KJK53K45J",  
            "Activity": "ViewReport",  
            "Workload": "PowerBI",  
            "UserId": "john@contoso.com",  
            "ClientIP": "131.107.160.240",  
            "CapacityId": "zy5bad4z-x1a2-491a-9f0c-f012171ee02e",  
            "CapacityName": "Shared On Premium - Reserved",  
            "WorkspaceId": "bf10ae91-c4f6-494e-b538-e2454229a765"  
        }  
    ],  
    "continuationUri":  
        "https://api.powerbi.com/v1.0/myorg/admin/activityevents?  
continuationToken='%2BRID%3A244SAK1HY7YQAAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%  
23FPC%3AARAAAAAAAFwAAAAAAA%3D'&$filter=Activity eq 'ViewReport'",  
        "continuationToken":  
            "%2BRID%3A244SAK1HY7YQAAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%23FPC%3AARAAAAAA  
AAFwAAAAAAA%3D"  
    }  
}
```

Get audit activity events within a time window example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents?  
startDateTime='2019-08-13T07:55:00.000Z'&endDateTime='2019-08-
```

Sample response

Status code: 200

JSON

```
{
  "activityEventEntities": [
    {
      "Id": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",
      "CreationTime": "2019-08-13T07:55:15",
      "Operation": "ViewReport",
      "OrganizationId": "e43e3248-3d83-44aa-a94d-c836bd7f9b79",
      "UserKey": "779438769",
      "Activity": "ViewReport",
      "Workload": "PowerBI",
      "UserId": "john@contoso.com",
      "ClientIP": "127.0.0.1"
    },
    {
      "Id": "c632aa64-70fc-4e80-88f3-9fc2cdcacce8",
      "CreationTime": "2019-08-13T07:55:10",
      "Operation": "ViewDashboard",
      "OrganizationId": "e43e3248-3d83-44aa-a94d-c836bd7f9b79",
      "UserKey": "321HK34324",
      "Activity": "ViewDashboard",
      "Workload": "PowerBI",
      "UserId": "john@contoso.com",
      "ClientIP": "131.107.160.240",
      "CapacityId": "zy5bad4z-x1a2-491a-9f0c-f012171ee02e",
      "CapacityName": "Shared On Premium - Reserved",
      "WorkspaceId": "bf10ae91-c4f6-494e-b538-e2454229a765"
    }
  ],
  "continuationUri":
  "https://api.powerbi.com/v1.0/myorg/admin/activityevents?
  continuationToken=%2BRID%3A244SAK1HY7YGAAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%
  23FPC%3AAQYAAAAAAAFAwAAAAAAA%3D'",
  "continuationToken":
  "%2BRID%3A244SAK1HY7YGAAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%23FPC%3AAQYAAAAAAA
  AAFwAAAAAAA%3D"
}
```

Get the next set of audit activity events by sending the continuation token to the API example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/activityevents?  
continuationToken=%2BRID%3A244SAK1HY7YQAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%  
3FPC%3AARAAAAAAAFAwAAAAAAA%3D
```

Sample response

Status code: 200

JSON

```
{  
    "activityEventEntities": [  
        {  
            "Id": "91ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",  
            "CreationTime": "2019-08-13T08:55:15",  
            "Operation": "ViewReport",  
            "OrganizationId": "d43e3248-3d83-44aa-a94d-c836bd7f9b79",  
            "UserKey": "1236",  
            "Activity": "ViewReport",  
            "Workload": "PowerBI",  
            "UserId": "john@contoso.com",  
            "ClientIP": "127.0.0.1"  
        },  
        {  
            "Id": "g632bb64-70fc-4e80-88f3-9fc2cdcacce8",  
            "CreationTime": "2019-08-13T09:55:10",  
            "Operation": "ViewReport",  
            "OrganizationId": "e43e3248-3d83-44aa-a94d-c836bd7f9b79",  
            "UserKey": "42343KJK55J",  
            "Activity": "ViewReport",  
            "Workload": "PowerBI",  
            "UserId": "john@contoso.com",  
            "ClientIP": "131.107.160.240",  
            "CapacityId": "zy5bad4z-x1a2-491a-9f0c-f012171ee02e",  
            "CapacityName": "Shared On Premium - Reserved",  
            "WorkspaceId": "bf10ae91-c4f6-494e-b538-e2454229a765"  
        }  
    "https://api.powerbi.com/v1.0/myorg/admin/activityevents?  
continuationToken='%2BRID%$4Z244SAK1HY7YQAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%  
23FPC%3AARAAAAAAAFAwAAAAAAA%3D'",  
    "continuationToken":  
    "%2BRID%$4Z244SAK1HY7YQAAAAAAAAAA%3D%3D%23RT%3A1%23TRC%3A5%23FPC%3AARAAAAAAA  
AAFAwAAAAAAA%3D"  
}
```

Definitions

ActivityEventResponse

OData response wrapper for audit activity events list

[+] Expand table

Name	Type	Description
activityEventEntities	object[]	An array of activity event objects. To learn more about an activity event (which is a collection of event properties) refer to Microsoft 365 Management Activity schema .
continuationToken	string	Token to get the next chunk of the result set
continuationUri	string	The URI for the next chunk in the result set

Admin - Get Capacities As Admin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of capacities for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities?$expand={$expand}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
\$expand	query		string	Expands related entities inline

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Capacities	OK

Examples

[\[+\] Expand table](#)

Example
Example with expand on tenant key

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",
      "displayName": "MyCapacity",
      "admins": [
        "john@contoso.com"
      ],
    }
  ]
}
```

```
        "sku": "A1",
        "state": "Active",
        "region": "West Central US",
        "capacityUserAccessRight": "Admin",
        "tenantKeyId": "82d9a37a-2b45-4221-b012-cb109b8e30c7"
    }
]
}
```

Example with expand on tenant key

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities?$expand=tenantKey
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",
      "displayName": "MyCapacity",
      "admins": [
        "john@contoso.com"
      ],
      "sku": "A1",
      "state": "Active",
      "region": "West Central US",
      "capacityUserAccessRight": "Admin",
      "tenantKeyId": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
      "tenantKey": {
        "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
        "name": "Contoso Sales",
        "keyVaultKeyIdentifier": "https://contoso-
vaul
t2.vault.azure.net/keys/ContosoKeyVault/b2ab4ba1c7b341eea5ecaaa2wb54c4d2",
        "isDefault": true,
        "createdAt": "2019-04-30T21:35:15.867-07:00",
        "updatedAt": "2019-04-30T21:35:15.867-07:00"
      }
    }
  ]
}
```

Definitions

[+] [Expand table](#)

Name	Description
Capacities	OData response wrapper for a Power BI capacity list
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
TenantKey	Encryption key information

Capacities

OData response wrapper for a Power BI capacity list

[+] [Expand table](#)

Name	Type	Description
odata.context	string	
value	Capacity[]	The capacity list

Capacity

A Power BI capacity

[+] [Expand table](#)

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacityUserAccessRight	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID

region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	Capacity State	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use
Deleted	string	The capacity was deleted and is unavailable
Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress
Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[+\] Expand table](#)

Name	Type	Description

Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

TenantKey

Encryption key information

[\[+\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Admin - Get Power BI Encryption Keys

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the encryption keys for the tenant.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

`GET https://api.powerbi.com/v1.0/myorg/admin/tenantKeys`

Responses

[+] Expand table

Name	Type	Description
200 OK	TenantKeys	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/tenantKeys
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
      "name": "Contoso Sales",
      "keyVaultKeyIdentifier": "https://contoso-
vaul2.vault.azure.net/keys/ContosoKeyVault/b2ab4ba1c7b341eea5ecaaa2wb54c4d2
",
      "isDefault": true,
      "createdAt": "2019-04-30T21:35:15.867-07:00",
      "updatedAt": "2019-04-30T21:35:15.867-07:00"
    }
  ]
}
```

Definitions

[+] Expand table

Name	Description
TenantKey	Encryption key information
TenantKeys	Encryption keys information

TenantKey

Encryption key information

[Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

TenantKeys

Encryption keys information

[Expand table](#)

Name	Type	Description
odata.context	string	
value	TenantKey[]	Encryption keys

Admin - Get Refreshable For Capacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified refreshable for the specified capacity that the user has access to.

Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables/{refreshableId}`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables/{refreshableId}`

s/{refreshableId}?\$expand={\$expand}

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
capacityId	path	True	string uuid	The capacity ID
refreshable Id	path	True	string	The refreshable ID
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>capacities</code> and <code>groups</code> .

Responses

[+] Expand table

Name	Type	Description
200 OK	Refreshables	OK

Examples

[+] Expand table

Example
Get a refreshable with its 'capacity' and 'group' expanded example

Example

Sample request

HTTP

GET

<https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshable>

s/{refreshableId}

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "kind": "Dataset",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-19T11:22:32.445Z",  
      "refreshCount": 22,  
      "refreshFailures": 0,  
      "averageDuration": 289.3814,  
      "medianDuration": 268.6245,  
      "refreshesPerDay": 11,  
      "lastRefresh": {  
        "refreshType": "ViaApi",  
        "startTime": "2017-06-13T09:25:43.153Z",  
        "endTime": "2017-06-13T09:31:43.153Z",  
        "status": "Completed",  
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"  
      },  
      "refreshSchedule": {  
        "days": [  
          "Sunday",  
          "Friday",  
          "Saturday"  
        ],  
        "times": [  
          "05:00",  
          "11:30",  
          "17:30",  
          "23:00"  
        ],  
        "enabled": true,  
        "localTimeZoneId": "UTC",  
        "notifyOption": "MailOnFailure"  
      },  
      "configuredBy": [  
        "john@contoso.com"  
      ]  
    }  
  ]  
}
```

Get a refreshable with its 'capacity' and 'group' expanded example

Sample request

HTTP

GET

[https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables/{refreshableId}?\\$expand=capacity,group](https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables/{refreshableId}?$expand=capacity,group)

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "kind": "Dataset",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-19T11:22:32.445Z",  
      "refreshCount": 22,  
      "refreshFailures": 0,  
      "averageDuration": 289.3814,  
      "medianDuration": 268.6245,  
      "refreshesPerDay": 11,  
      "lastRefresh": {  
        "refreshType": "ViaApi",  
        "startTime": "2017-06-13T09:25:43.153Z",  
        "endTime": "2017-06-13T09:31:43.153Z",  
        "status": "Completed",  
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"  
      },  
      "refreshSchedule": {  
        "days": [  
          "Sunday",  
          "Friday",  
          "Saturday"  
        ],  
        "times": [  
          "05:00",  
          "11:30",  
          "17:30",  
          "23:00"  
        ],  
        "enabled": true,  
        "localTimeZoneId": "UTC",  
        "timeZone": "UTC"  
      }  
    }  
  ]  
}
```

```

        "notifyOption": "MailOnFailure"
    },
    "configuredBy": [
        "john@contoso.com"
    ],
    "capacity": {
        "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",
        "displayName": "MyCapacity",
        "sku": "A1"
    },
    "group": {
        "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
        "name": "SalesMarketing"
    }
}
]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
days	The days on which to execute the refresh
Refresh	A Power BI refresh history entry
Refreshable	A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.
RefreshableGroup	A Power BI group associated to a Refreshable item
RefreshableKind	The refreshable kind
Refreshables	A Power BI refreshables list
RefreshAttempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each

	refresh attempt.
Refresh AttemptType	The type of refresh attempt.
Refresh Schedule	A Power BI refresh schedule for imported model
RefreshType	The type of refresh request
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
TenantKey	Encryption key information

Capacity

A Power BI capacity

[\[+\]](#) Expand table

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacity UserAccess Right	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID
region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	Capacity State	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use
Deleted	string	The capacity was deleted and is unavailable
Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress
Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

days

The days on which to execute the refresh

[\[+\] Expand table](#)

Name	Type	Description
Friday	string	

Monday	string
Saturday	string
Sunday	string
Thursday	string
Tuesday	string
Wednesday	string

Refresh

A Power BI refresh history entry

[\[+\] Expand table](#)

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	Refresh Attempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.
serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	<p><code>Unknown</code> if the completion state is unknown or a refresh is in progress.</p> <p><code>Completed</code> for a successfully completed refresh.</p> <p><code>Failed</code> for an unsuccessful refresh (<code>serviceExceptionJson</code> will contain the error code).</p> <p><code>Disabled</code> if the refresh is disabled by a selective refresh.</p>

Refreshable

A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it

won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

[+] Expand table

Name	Type	Description
averageDuration	number	The average duration in seconds of a refresh during the time window for which refresh data exists
capacity	Capacity	The capacity for the refreshable item
configuredBy	string[]	The refreshable owners
endTime	string	The end time of the window for which refresh data exists
group	Refreshable Group	The associated group for the refreshable item
id	string	The object ID of the refreshable
kind	Refreshable Kind	The refreshable kind
lastRefresh	Refresh	The last Power BI refresh history entry for the refreshable item
medianDuration	number	The median duration in seconds of a refresh within the time window for which refresh data exists
name	string	The display name of the refreshable
refreshCount	integer	The number of refreshes within the time window for which refresh data exists
refreshFailures	integer	The number of refresh failures within the time window for which refresh data exists
refreshSchedule	Refresh Schedule	The refresh schedule for the refreshable item
refreshesPerDay	integer	The number of refreshes per day (scheduled and on-demand) within the time window for which refresh data exists
startTime	string	The start time of the window for which refresh data exists

RefreshableGroup

A Power BI group associated to a Refreshable item

[\[\] Expand table](#)

Name	Type	Description
id	string	The workspace ID
name	string	The group name

RefreshableKind

The refreshable kind

[\[\] Expand table](#)

Name	Type	Description
Dataset	string	Dataset

Refreshables

A Power BI refreshables list

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Refreshable []	The refreshables

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.

startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[+] [Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[+] [Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

RefreshType

The type of refresh request

[+] [Expand table](#)

Name	Type	Description
OnDemand	string	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	string	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	string	The refresh was triggered by a dataset refresh schedule setting
ViaApi	string	The refresh was triggered by an API call
ViaEnhancedApi	string	The refresh was triggered by an enhanced refresh REST API call
ViaXmlaEndpoint	string	The refresh was triggered through Power BI public XMLA endpoint

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[+\] Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

TenantKey

Encryption key information

[\[+\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.

keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Admin - Get Refreshables

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of refreshables for the organization within a capacity.

Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities/refreshables?$top={$top}
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities/refreshables?$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
\$top	query	True	integer int32	Returns only the first n results.
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>capacities</code> and <code>groups</code> .
\$filter	query		string	Returns a subset of a results based on Odata ↗ filter query parameter condition.
\$skip	query		integer int32	Skip the first n results. Use with top to fetch results beyond the first 1000.

Responses

[+] Expand table

Name	Type	Description
200 OK	Refreshables	OK

Examples

[+] Expand table

Example
Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.
Get refreshables with their 'capacity' and 'group' expanded example

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities/refreshables
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "kind": "Dataset",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-19T11:22:32.445Z",
      "refreshCount": 22,
      "refreshFailures": 0,
      "averageDuration": 289.3814,
      "medianDuration": 268.6245,
      "refreshesPerDay": 11,
      "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:31:43.153Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
      },
      "refreshSchedule": {
        "days": [
          "Sunday",
          "Friday",
          "Saturday"
        ],
        "times": [
          "05:00",
          "11:30",
          "17:30",
          "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
      },
      "configuredBy": [
        "john@contoso.com"
      ]
    }
  ]
}
```

Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities/refreshables?  
$filter=averageDuration gt 1800
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "kind": "Dataset",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-19T11:22:32.445Z",
      "refreshCount": 22,
      "refreshFailures": 0,
      "averageDuration": 3289.3814,
      "medianDuration": 2268.6245,
      "refreshesPerDay": 11,
      "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:58:05.221Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
      },
      "refreshSchedule": {
        "days": [
          "Sunday",
          "Friday",
          "Saturday"
        ],
        "times": [
          "05:00",
          "11:30",
          "17:30",
          "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
      }
    }
  ]
}
```

```
        },
        "configuredBy": [
            "john@contoso.com"
        ]
    }
]
```

Get refreshables with their 'capacity' and 'group' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/capacities/refreshables?
$expand=capacity,group
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
            "name": "SalesMarketing",
            "kind": "Dataset",
            "startTime": "2017-06-13T09:25:43.153Z",
            "endTime": "2017-06-19T11:22:32.445Z",
            "refreshCount": 22,
            "refreshFailures": 0,
            "averageDuration": 289.3814,
            "medianDuration": 268.6245,
            "refreshesPerDay": 11,
            "lastRefresh": {
                "refreshType": "ViaApi",
                "startTime": "2017-06-13T09:25:43.153Z",
                "endTime": "2017-06-13T09:31:43.153Z",
                "status": "Completed",
                "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
            },
            "refreshSchedule": {
                "days": [
                    "Sunday",
                    "Friday",
                    "Saturday"
                ]
            }
        }
    ]
}
```

```

        ],
        "times": [
            "05:00",
            "11:30",
            "17:30",
            "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
    },
    "configuredBy": [
        "john@contoso.com"
    ],
    "capacity": {
        "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",
        "displayName": "MyCapacity",
        "sku": "A1"
    },
    "group": {
        "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
        "name": "SalesMarketing"
    }
}
]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
days	The days on which to execute the refresh
Refresh	A Power BI refresh history entry
Refreshable	A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.
Refreshable	A Power BI group associated to a Refreshable item

Group	
Refreshable Kind	The refreshable kind
Refreshables	A Power BI refreshables list
Refresh Attempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.
Refresh AttemptType	The type of refresh attempt.
Refresh Schedule	A Power BI refresh schedule for imported model
RefreshType	The type of refresh request
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
TenantKey	Encryption key information

Capacity

A Power BI capacity

[Expand table](#)

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacity UserAccess Right	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID
region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	Capacity State	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin)

		routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use
Deleted	string	The capacity was deleted and is unavailable
Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress
Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

days

The days on which to execute the refresh

[Expand table](#)

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

Refresh

A Power BI refresh history entry

[Expand table](#)

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	RefreshAttempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.
serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	Unknown if the completion state is unknown or a refresh is in progress. Completed for a successfully completed refresh.

`Failed` for an unsuccessful refresh
`(serviceExceptionJson` will contain the error code).
`Disabled` if the refresh is disabled by a selective refresh.

Refreshable

A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

[\[\] Expand table](#)

Name	Type	Description
averageDuration	number	The average duration in seconds of a refresh during the time window for which refresh data exists
capacity	Capacity	The capacity for the refreshable item
configuredBy	string[]	The refreshable owners
endTime	string	The end time of the window for which refresh data exists
group	Refreshable Group	The associated group for the refreshable item
id	string	The object ID of the refreshable
kind	Refreshable Kind	The refreshable kind
lastRefresh	Refresh	The last Power BI refresh history entry for the refreshable item
medianDuration	number	The median duration in seconds of a refresh within the time window for which refresh data exists
name	string	The display name of the refreshable
refreshCount	integer	The number of refreshes within the time window for which refresh data exists
refreshFailures	integer	The number of refresh failures within the time window for which refresh data exists
refreshSchedule	Refresh Schedule	The refresh schedule for the refreshable item

refreshesPerDay	integer	The number of refreshes per day (scheduled and on-demand) within the time window for which refresh data exists
startTime	string	The start time of the window for which refresh data exists

RefreshableGroup

A Power BI group associated to a Refreshable item

[\[+\] Expand table](#)

Name	Type	Description
id	string	The workspace ID
name	string	The group name

RefreshableKind

The refreshable kind

[\[+\] Expand table](#)

Name	Type	Description
Dataset	string	Dataset

Refreshables

A Power BI refreshables list

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Refreshable[]	The refreshables

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[\[+\] Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .

times	string[]	The times of day to execute the refresh
-------	----------	-----------------------------------------

RefreshType

The type of refresh request

[\[+\] Expand table](#)

Name	Type	Description
OnDemand	string	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	string	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	string	The refresh was triggered by a dataset refresh schedule setting
ViaApi	string	The refresh was triggered by an API call
ViaEnhancedApi	string	The refresh was triggered by an enhanced refresh REST API call
ViaXmlaEndpoint	string	The refresh was triggered through Power BI public XMLA endpoint

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[+\] Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

TenantKey

Encryption key information

[Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Admin - Get Refreshables For Capacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of refreshables for the specified capacity that the user has access to.

Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

GET

```
https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables?$top={$top}
```

With optional parameters:

HTTP

GET

```
https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables
```

```
s?$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
capacity Id	path	True	string uuid	The capacity ID
\$top	query	True	integer int32	Returns only the first n results.
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>capacities</code> and <code>groups</code> .
\$filter	query		string	Returns a subset of a results based on Odata filter query parameter condition.
\$skip	query		integer int32	Skips the first n results. Use with top to fetch results beyond the first 1000.

Responses

[+] Expand table

Name	Type	Description
200 OK	Refreshables	OK

Examples

[+] Expand table

Example
Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.
Get refreshables with their 'capacity' and 'group' expanded example

Example

Sample request

HTTP

```
GET  
https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshable  
s
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "kind": "Dataset",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-19T11:22:32.445Z",  
      "refreshCount": 22,  
      "refreshFailures": 0,  
      "averageDuration": 289.3814,  
      "medianDuration": 268.6245,  
      "refreshesPerDay": 11,  
      "lastRefresh": {  
        "refreshType": "ViaApi",  
        "startTime": "2017-06-13T09:25:43.153Z",  
        "endTime": "2017-06-13T09:31:43.153Z",  
        "status": "Completed",  
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"  
      },  
      "refreshSchedule": {  
        "days": [  
          "Sunday",  
          "Friday",  
          "Saturday"  
        ],  
        "times": [  
          "05:00",  
          "11:30",  
          "17:30",  
          "23:00"  
        ],  
        "enabled": true,  
        "localTimeZoneId": "UTC",  
        "notifyOption": "MailOnFailure"  
      },  
      "configuredBy": [  
        "john@contoso.com"  
      ]  
    }  
  ]  
}
```

```
        ]
    }
]
}
```

Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.

Sample request

HTTP

```
GET  
https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables?$filter=averageDuration gt 1800
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "kind": "Dataset",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-19T11:22:32.445Z",
      "refreshCount": 22,
      "refreshFailures": 0,
      "averageDuration": 3289.3814,
      "medianDuration": 2268.6245,
      "refreshesPerDay": 11,
      "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:58:05.221Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
      },
      "refreshSchedule": {
        "days": [
          "Sunday",
          "Friday",
          "Saturday"
        ],
        "times": [

```

```

        "05:00",
        "11:30",
        "17:30",
        "23:00"
    ],
    "enabled": true,
    "localTimeZoneId": "UTC",
    "notifyOption": "MailOnFailure"
},
"configuredBy": [
    "john@contoso.com"
]
}
]
}
}

```

Get refreshables with their 'capacity' and 'group' expanded example

Sample request

HTTP

GET

<https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}/refreshables?expand=capacity,group>

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
            "name": "SalesMarketing",
            "kind": "Dataset",
            "startTime": "2017-06-13T09:25:43.153Z",
            "endTime": "2017-06-19T11:22:32.445Z",
            "refreshCount": 22,
            "refreshFailures": 0,
            "averageDuration": 289.3814,
            "medianDuration": 268.6245,
            "refreshesPerDay": 11,
            "lastRefresh": {
                "refreshType": "ViaApi",
                "startTime": "2017-06-13T09:25:43.153Z",
                "endTime": "2017-06-13T09:25:43.153Z"
            }
        }
    ]
}
```

```

        "endTime": "2017-06-13T09:31:43.153Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
    },
    "refreshSchedule": {
        "days": [
            "Sunday",
            "Friday",
            "Saturday"
        ],
        "times": [
            "05:00",
            "11:30",
            "17:30",
            "23:00"
        ],
        "enabled": true,
        "localTimezoneId": "UTC",
        "notifyOption": "MailOnFailure"
    },
    "configuredBy": [
        "john@contoso.com"
    ],
    "capacity": {
        "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",
        "displayName": "MyCapacity",
        "sku": "A1"
    },
    "group": {
        "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
        "name": "SalesMarketing"
    }
}
]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
days	The days on which to execute the refresh

Refresh	A Power BI refresh history entry
Refreshable	A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.
Refreshable Group	A Power BI group associated to a Refreshable item
Refreshable Kind	The refreshable kind
Refreshables	A Power BI refreshables list
Refresh Attempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.
Refresh AttemptType	The type of refresh attempt.
Refresh Schedule	A Power BI refresh schedule for imported model
RefreshType	The type of refresh request
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
TenantKey	Encryption key information

Capacity

A Power BI capacity

[\[+\] Expand table](#)

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacity UserAccess Right	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID

region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	Capacity State	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use
Deleted	string	The capacity was deleted and is unavailable
Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress
Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[+\] Expand table](#)

Name	Type	Description

Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

days

The days on which to execute the refresh

[\[+\] Expand table](#)

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

Refresh

A Power BI refresh history entry

[\[+\] Expand table](#)

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	RefreshAttempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.

serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	<p><code>Unknown</code> if the completion state is unknown or a refresh is in progress.</p> <p><code>Completed</code> for a successfully completed refresh.</p> <p><code>Failed</code> for an unsuccessful refresh (<code>serviceExceptionJson</code> will contain the error code).</p> <p><code>Disabled</code> if the refresh is disabled by a selective refresh.</p>

Refreshable

A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

[\[\] Expand table](#)

Name	Type	Description
averageDuration	number	The average duration in seconds of a refresh during the time window for which refresh data exists
capacity	Capacity	The capacity for the refreshable item
configuredBy	string[]	The refreshable owners
endTime	string	The end time of the window for which refresh data exists
group	Refreshable Group	The associated group for the refreshable item
id	string	The object ID of the refreshable
kind	Refreshable Kind	The refreshable kind
lastRefresh	Refresh	The last Power BI refresh history entry for the refreshable item
medianDuration	number	The median duration in seconds of a refresh within the time window for which refresh data exists
name	string	The display name of the refreshable

refreshCount	integer	The number of refreshes within the time window for which refresh data exists
refreshFailures	integer	The number of refresh failures within the time window for which refresh data exists
refreshSchedule	Refresh Schedule	The refresh schedule for the refreshable item
refreshesPerDay	integer	The number of refreshes per day (scheduled and on-demand) within the time window for which refresh data exists
startTime	string	The start time of the window for which refresh data exists

RefreshableGroup

A Power BI group associated to a Refreshable item

[\[+\] Expand table](#)

Name	Type	Description
id	string	The workspace ID
name	string	The group name

RefreshableKind

The refreshable kind

[\[+\] Expand table](#)

Name	Type	Description
Dataset	string	Dataset

Refreshables

A Power BI refreshables list

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context

value

[Refreshable\[\]](#) The refreshables

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[\[+\] Expand table](#)

Name	Type	Description

NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	<code>days[]</code>	The days on which to execute the refresh
enabled	<code>boolean</code>	Whether the refresh is enabled
localTimeZoneId	<code>string</code>	The ID of the time zone to use. For more information, see Time zone info .
times	<code>string[]</code>	The times of day to execute the refresh

RefreshType

The type of refresh request

[\[\] Expand table](#)

Name	Type	Description
OnDemand	<code>string</code>	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	<code>string</code>	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	<code>string</code>	The refresh was triggered by a dataset refresh schedule setting
ViaApi	<code>string</code>	The refresh was triggered by an API call
ViaEnhancedApi	<code>string</code>	The refresh was triggered by an enhanced refresh REST API call
ViaXmlaEndpoint	<code>string</code>	The refresh was triggered through Power BI public XMLA endpoint

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[\] Expand table](#)

Name	Type	Description

MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

TenantKey

Encryption key information

[\[+\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Admin - Groups AddUserAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Grants user permissions to the specified workspace.

This API call only supports adding a user, security group, M365 group and service principal.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/users
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Request Body

[Expand table](#)

Name	Required	Type	Description
groupUserAccessRight	True	GroupUserAccessRight	The access right (permission level) that a user has on the workspace
identifier	True	string	Identifier of the principal
principalType	True	PrincipalType	The principal type
displayName		string	Display name of the principal
emailAddress		string	Email address of the user
graphId		string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
profile		Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType		string	Type of the user.

Responses

[Expand table](#)

Name	Type	Description
200 OK		OK

Examples

[Expand table](#)

Add security group to workspace example
Add service principal to workspace example
Add user to group example

Add security group to workspace example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/groups/206d27ca-94e8-4a69-855b-5c32bdd458a8/users
```

Request Body

JSON

```
{  
  "identifier": "ece007fa-2f19-4df1-bdd5-539881ec5f83",  
  "principalType": "Group",  
  "groupUserAccessRight": "Member"  
}
```

Sample response

Status code: 200

Add service principal to workspace example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/groups/206d27ca-94e8-4a69-855b-5c32bdd458a8/users
```

Request Body

JSON

```
{  
  "identifier": "84c468ad-12f1-471e-af6f-0999da422391",  
  "principalType": "App",  
  "groupUserAccessRight": "Viewer"  
}
```

Sample response

Status code: 200

Add user to group example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/groups/206d27ca-94e8-4a69-855b-5c32bdd458a8/users
```

Request Body

JSON

```
{  
    "emailAddress": "john@contoso.com",  
    "groupUserAccessRight": "Admin"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
GroupUser	A Power BI user with access to the workspace
GroupUserAccessRight	The access right (permission level) that a user has on the workspace
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

GroupUser

A Power BI user with access to the workspace

[+] Expand table

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUserAccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[\[\]](#) [Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

PrincipalType

The principal type

[\[\]](#) [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type

None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

 [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Groups DeleteUserAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Removes user permissions from the specified workspace.

This API call supports removing a user, security group, M365 group and service principal. Please use email address or UPN for user, group object Id for group and app object Id for service principal to delete.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

DELETE

`https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/users/{user}`

With optional parameters:

HTTP

DELETE

`https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/users/{user}?profileId={profileId}&isGroup={isGroup}`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID.
user	path	True	string	The user principal name (UPN) of the user or group object Id of the group or app object Id of the service principal to delete.
isGroup	query		boolean	Whether a given user is a group or not. This parameter is required when user to delete is group.
profile Id	query		string uuid	The service principal profile ID to delete.

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

[\[+\] Expand table](#)

Delete group example
Delete guest user example
Delete service principal example
Delete user example

Delete group example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/groups/f7d76f5a-7190-43c6-
```

```
bf12-7a135c6c2d23/users/23476f5a-7190-43c6-bf12-7a135c6c2d23?isGroup=True
```

Sample response

Status code: 200

Delete guest user example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/groups/f7d76f5a-7190-43c6-bf12-7a135c6c2d23/users/john_contoso.com%23EXT%23@test.com
```

Sample response

Status code: 200

Delete service principal example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/groups/f7d76f5a-7190-43c6-bf12-7a135c6c2d23/users/23476f5a-7190-43c6-bf12-7a135c6c2d23
```

Sample response

Status code: 200

Delete user example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/groups/f7d76f5a-7190-43c6-bf12-7a135c6c2d69/users/john@contoso.com
```

Sample response

Status code: 200

Admin - Groups GetGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a workspace for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}?$expand= {$expand}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string	The workspace ID

		uuid
\$expand	query	string Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>users</code> , <code>reports</code> , <code>dashboards</code> , <code>datasets</code> , <code>dataflows</code> , and <code>workbooks</code> .

Responses

[Expand table](#)

Name	Type	Description
200 OK	Admin Group	OK

Examples

Get workspaces with their 'users' expanded example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}?$expand=users
```

Sample response

Status code: 200

JSON

```
{
  "id": "e380d1d0-1fa6-460b-9a90-1a5c6b02414c",
  "isReadOnly": false,
  "isOnDedicatedCapacity": true,
  "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2",
  "defaultDatasetStorageFormat": "Small",
  "name": "Sample Group 1",
  "description": "Sample group",
  "type": "Workspace",
  "state": "Active",
  "users": [
    {
      "emailAddress": "john@contoso.com",
      "id": "e380d1d0-1fa6-460b-9a90-1a5c6b02414c"
    }
  ]
}
```

```

        "groupUserAccessRight": "Admin"
    }
]
}

```

Definitions

[Expand table](#)

Name	Description
Admin Dashboard	A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
AdminDataflow	The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.
AdminDataset	A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
AdminGroup	A Power BI group returned by admin APIs
AdminReport	A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
AdminTile	A Power BI tile returned by Admin APIs.
AzureResource	A response detailing a user-owned Azure resource such as a Log Analytics workspace.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
DataflowUser	A Power BI user access right entry for a dataflow
DataflowUser AccessRight	The access right that a user has for the dataflow (permission level)
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset

DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
DefaultDatasetStorageFormat	The default dataset storage format in the group
DependentDataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
GroupType	The group type
GroupUser	A Power BI user with access to the workspace
GroupUserAccessRight	The access right (permission level) that a user has on the workspace
PrincipalType	The principal type
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user
Workbook	A Power BI workbook

AdminDashboard

A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard

embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
tiles	AdminTile[]	The tiles that belong to the dashboard
users	DashboardUser[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard
workspaceId	string	The workspace ID (GUID) of the dashboard. This property will be returned only in GetDashboardsAsAdmin.

AdminDataflow

The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
configuredBy	string	The dataflow owner
description	string	The dataflow description
modelUrl	string	A URL to the dataflow definition file (model.json)
modifiedBy	string	The user that modified the dataflow
modifiedDateTime	string	The date and time that the dataflow was last modified
name	string	The dataflow name

objectId	string	The dataflow ID
users	Dataflow User[]	(Empty value) The dataflow user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dataflow by using the Get Dataflow Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUser</code> parameter.
workspaceId	string	The dataflow workspace ID.

AdminDataset

A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the

		dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset
workspaceId	string	The dataset workspace ID. This property will be returned only in <code>GetDatasetsAsAdmin</code> .

AdminGroup

A Power BI group returned by admin APIs

[+] [Expand table](#)

Name	Type	Description
capacityId	string	The capacity ID
dashboards	Admin Dashboard[]	The dashboards that belong to the group

dataflowStorageId	string	The Power BI dataflow storage account ID
dataflows	Admin Dataflow[]	The dataflows that belong to the group
datasets	Admin Dataset[]	The datasets that belong to the group
defaultDatasetStorageFormat	Default Dataset Storage Format	The default dataset storage format in the workspace. Returned only when <code>isOnDedicatedCapacity</code> is <code>true</code>
description	string	The group description
hasWorkspaceLevelSettings	boolean	Whether the workspace has custom settings
id	string	The workspace ID
isOnDedicatedCapacity	boolean	Whether the group is assigned to a dedicated capacity
isReadOnly	boolean	Whether the group is read-only
logAnalyticsWorkspace	Azure Resource	The Log Analytics workspace assigned to the group. This is returned only when retrieving a single group.
name	string	The group name
pipelineId	string	The deployment pipeline ID that the workspace is assigned to.
reports	Admin Report[]	The reports that belong to the group
state	string	The group state
type	GroupType	The type of group being returned.
users	GroupUser[]	(Empty value) The users that belong to the group and their access rights. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Group Users As Admin API call, or the PostWorkspacelInfo API call with the <code>getArtifactUsers</code> parameter.
workbooks	Workbook[]	The workbooks that belong to the group

AdminReport

A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
createdBy	string	The report owner. Available only for reports created after June 2019.
createdDateTime	string	The report creation date and time
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
modifiedBy	string	The last user that modified the report
modifiedDateTime	string	The date and time that the report was last modified
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in

an upcoming release. You can retrieve user information on a Power BI report by using the [Get Report Users as Admin API](#) call, or the [PostWorkspaceInfo](#) API call with the `getArtifactUsers` parameter.

webUrl	string	The web URL of the report
workspaceId	string	The workspace ID (GUID) of the report. This property will be returned only in GetReportsAsAdmin.

AdminTile

A Power BI tile returned by Admin APIs.

[+] [Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

AzureResource

A response detailing a user-owned Azure resource such as a Log Analytics workspace.

[+] [Expand table](#)

Name	Type	Description
id	string	An identifier for the resource within Power BI.
resourceGroup	string	The resource group within the subscription where the resource resides.

resourceName	string	The name of the resource.
subscriptionId	string	The Azure subscription where the resource resides.

DashboardUser

A Power BI user access right entry for a dashboard

[+] [Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard

ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

DataflowUser

A Power BI user access right entry for a dataflow

[+] [Expand table](#)

Name	Type	Description
DataflowUserAccessRight	Dataflow UserAccess Right	The access right that a user has for the dataflow (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow

Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

userType	string	Type of the user.
----------	--------	-------------------

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DefaultDatasetStorageFormat

The default dataset storage format in the group

[+] [Expand table](#)

Name	Type	Description
Large	string	Large dataset storage format
Small	string	Small dataset storage format

DependentDataflow

A Power BI dependent dataflow

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

GroupType

The group type

[\[\] Expand table](#)

Name	Type	Description
Group	string	V1 version of shared workspace. This type of workspaces will be deprecated as Microsoft migrate all workspaces to latest version of shared workspace
Personal	string	Special type of workspace meant for SharePoint list and OneDrive integration
PersonalGroup	string	"My workspace", also known as personal workspace
Workspace	string	Shared workspace or simple workspace used to share content with other users in the organization

GroupUser

A Power BI user with access to the workspace

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUser AccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ReportUser

A Power BI user access right entry for a report

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal

principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] Expand table

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Workbook

A Power BI workbook

[Expand table](#)

Name	Type	Description
datasetId	string	The ID of the dataset associated with a workbook. Only applies if the workbook has an associated dataset.
name	string	The workbook name

Admin - Groups

GetGroupUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified workspace.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/users
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
------	----	----------	------	-------------

groupId	path	True	string uuid	The workspace ID
----------------	------	------	----------------	------------------

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	GroupUsers	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "displayName": "John Nick",
      "emailAddress": "john@contoso.com",
      "groupUserAccessRight": "Admin",
      "identifier": "john@contoso.com",
      "graphId": "3fadbe4-130c-4a8f-aeac-416e38b66756",
      "principalType": "User"
    },
    {
      "displayName": "Adam Wood",
      "emailAddress": "Adam@contoso.com",
      "groupUserAccessRight": "Member",
      "identifier": "Adam@contoso.com",
      "graphId": "785e192c-0f1f-41ca-ae7a-a85da28e565a",
      "principalType": "User"
    }
  ]
}
```

```

},
{
  "displayName": "ContosoTestApp",
  "groupUserAccessRight": "Admin",
  "identifier": "3d9b93c6-7b6d-4801-a491-1738910904fd",
  "graphId": "3d9b93c6-7b6d-4801-a491-1738910904fd",
  "principalType": "App"
}
]
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
GroupUser	A Power BI user with access to the workspace
GroupUserAccessRight	The access right (permission level) that a user has on the workspace
GroupUsers	The OData response wrapper for a list of Power BI users with access to a workspace
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

GroupUser

A Power BI user with access to the workspace

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUserAccessRight	The access right (permission level) that a user has on the workspace

identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

GroupUsers

The OData response wrapper for a list of Power BI users with access to a workspace

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	GroupUser[]	The list of users with access to a workspace

PrincipalType

The principal type

[Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Groups GetGroupsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of workspaces for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 50 requests per hour or 15 requests per minute, per tenant. This call will also time out after 30 seconds to prevent adverse effect on the Power BI service.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?$top={$top}
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
\$top	query	True	integer int32	Returns only the first n results. This parameter is mandatory and must be in the range of 1-5000.
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>users</code> , <code>reports</code> , <code>dashboards</code> , <code>datasets</code> , <code>dataflows</code> , and <code>workbooks</code> .
\$filter	query		string	Returns a subset of a results based on Odata ↗ filter query parameter condition.
\$skip	query		integer int32	Skips the first n results. Use with top to fetch results beyond the first 5000.

Responses

[+] Expand table

Name	Type	Description
200 OK	Admin Groups	OK

Examples

[+] Expand table

Get deleted workspaces example.
Get orphaned workspaces example.
Get workspaces with their 'dashboards' expanded example
Get workspaces with their 'datasets' expanded example
Get workspaces with their 'datasets' expanded example.
Get workspaces with their 'reports' expanded example

Get workspaces with their 'users' expanded example.

Get workspaces with their 'workbooks' expanded example

Get deleted workspaces example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?$filter=state eq 'Deleted'&$top=100
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "183dcf10-47b8-48c4-84aa-f0bf9d5f8fcf",
      "isReadOnly": false,
      "isOnDedicatedCapacity": false,
      "name": "Sample Group 2",
      "description": "Deleted sample group",
      "type": "Workspace",
      "state": "Deleted"
    }
  ]
}
```

Get orphaned workspaces example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?$expand=users&$filter=(not users/any()) or (not users/any(u: u/groupUserAccessRight eq Microsoft.PowerBI.ServiceContracts.Api.GroupUserAccessRight'Admin'))&$top=100
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "d5caa808-8c91-400a-911d-06af08dbcc31",  
      "isReadOnly": false,  
      "isOnDedicatedCapacity": false,  
      "name": "Orphaned Group",  
      "description": "Sample orphan group",  
      "type": "Workspace",  
      "state": "Active",  
      "hasWorkspaceLevelSettings": false,  
      "users": []  
    }  
  ]  
}
```

Get workspaces with their 'dashboards' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?  
$expand=dashboards&$top=100
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "94E57E92-CEE2-486D-8CC8-218C97200579",  
      "isReadOnly": false,  
      "isOnDedicatedCapacity": false,  
      "capacityMigrationStatus": "Migrated",  
      "description": "shorter description",  
      "type": "Workspace",  
      "state": "Removing",  
      "name": "a",  
      "hasWorkspaceLevelSettings": false,  
      "dashboards": [  
        {  
          "id": "94E57E92-CEE2-486D-8CC8-218C97200579",  
          "isReadOnly": false,  
          "isOnDedicatedCapacity": false,  
          "capacityMigrationStatus": "Migrated",  
          "description": "shorter description",  
          "type": "Dashboard",  
          "state": "Removing",  
          "name": "a",  
          "hasWorkspaceLevelSettings": false  
        }  
      ]  
    }  
  ]  
}
```

```
{
  "id": "4668133c-ae3f-42fb-ad7c-214a8623280c",
  "displayName": "SQLAzure-Refresh.pbix",
  "isReadOnly": false
},
{
  "id": "a8f18ca7-63e8-4220-bc1c-f576ec180b98",
  "displayName": "cdvc",
  "isReadOnly": false
}
]
}
]
```

Get workspaces with their 'datasets' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?
$expand=datasets&$top=100
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "94E57E92-CEE2-486D-8CC8-218C97200579",
      "isReadOnly": false,
      "isOnDedicatedCapacity": false,
      "capacityMigrationStatus": "Migrated",
      "description": "shorter description",
      "type": "Workspace",
      "state": "Removing",
      "name": "a",
      "hasWorkspaceLevelSettings": false,
      "datasets": [
        {
          "id": "8ce96c50-85a0-4db3-85c6-7ccc3ed46523",
          "name": "SQLAzure-Refresh",
          "addRowsAPIEnabled": false,
          "configuredBy": "admin@granularcontrols.ccsctp.net",
          "isRefreshable": true,
          "isEffectiveIdentityRequired": false,
          "refreshFrequency": "Never"
        }
      ]
    }
  ]
}
```

```

        "isEffectiveIdentityRolesRequired": false,
        "isOnPremGatewayRequired": false,
        "targetStorageMode": "Abf",
        "createdDate": "2019-04-30T21:35:15.867-07:00",
        "ContentProviderType": "PbixInImportMode",
        "isInPlaceSharingEnabled": false
    },
    {
        "id": "7d6a4f72-1906-4e08-a469-bd6bc1ab7b69",
        "name": "NESGames",
        "addRowsAPIEnabled": false,
        "configuredBy": "admin@granularcontrols.ccsctp.net",
        "isRefreshable": true,
        "isEffectiveIdentityRequired": false,
        "isEffectiveIdentityRolesRequired": false,
        "isOnPremGatewayRequired": false,
        "targetStorageMode": "Abf",
        "createdDate": "2019-04-30T21:35:15.867-07:00",
        "ContentProviderType": "PbixInImportMode",
        "isInPlaceSharingEnabled": false
    }
]
}
]
}

```

Get workspaces with their 'datasets' expanded example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?$expand=datasets
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "id": "e380d1d0-1fa6-460b-9a90-1a5c6b02414c",
            "isReadOnly": false,
            "isOnDedicatedCapacity": true,
            "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2",
            "defaultDatasetStorageFormat": "Small",
            "name": "Sample Group 1",
            "description": "Sample group",
            "isEffectiveIdentityRequired": false,
            "isOnPremGatewayRequired": false,
            "targetStorageMode": "Abf",
            "createdDate": "2019-04-30T21:35:15.867-07:00",
            "ContentProviderType": "PbixInImportMode",
            "isInPlaceSharingEnabled": false
        }
    ]
}
```

```

    "type": "Workspace",
    "state": "Active",
    "hasWorkspaceLevelSettings": true,
    "datasets": [
        {
            "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
            "name": "SalesMarketing",
            "addRowsAPIEnabled": false,
            "configuredBy": "john@contoso.com",
            "isRefreshable": true,
            "isEffectiveIdentityRequired": false,
            "isEffectiveIdentityRolesRequired": false,
            "isOnPremGatewayRequired": false,
            "isInPlaceSharingEnabled": false,
            "encryption": {
                "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
                "encryptionStatus": "InSyncWithWorkspace"
            }
        }
    ],
    {
        "id": "183dcf10-47b8-48c4-84aa-f0bf9d5f8fcf",
        "isReadOnly": false,
        "isOnDedicatedCapacity": false,
        "name": "Sample Group 2",
        "description": "Deleted sample group",
        "type": "Workspace",
        "state": "Deleted",
        "datasets": []
    }
]
}

```

Get workspaces with their 'reports' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?$expand=reports&$top=100
```

Sample response

Status code: 200

JSON

```
{
    "value": [
```

```
{
  "id": "EC1EE11F-845D-495E-82A3-9DAC2072305A",
  "isReadOnly": false,
  "isOnDedicatedCapacity": false,
  "capacityMigrationStatus": "Migrated",
  "description": "cvcv",
  "type": "Workspace",
  "state": "Active",
  "name": "WSv2Test12",
  "hasWorkspaceLevelSettings": true,
  "reports": []
},
{
  "id": "94E57E92-CEE2-486D-8CC8-218C97200579",
  "isReadOnly": false,
  "isOnDedicatedCapacity": false,
  "capacityMigrationStatus": "Migrated",
  "description": "shorter description",
  "type": "Workspace",
  "state": "Removing",
  "name": "a",
  "hasWorkspaceLevelSettings": false,
  "reports": [
    {
      "id": "5DBA60B0-D9A7-42AE-B12C-6D9D51E7739A",
      "reportType": "PowerBIReport",
      "name": "SQLAzure-Refresh",
      "datasetId": "8ce96c50-85a0-4db3-85c6-7ccc3ed46523"
    },
    {
      "id": "197E5C3C-D2F3-42D8-A536-875FB6D7D48C",
      "reportType": "PowerBIReport",
      "name": "NESGames",
      "datasetId": "7d6a4f72-1906-4e08-a469-bd6bc1ab7b69"
    }
  ]
}
]
```

Get workspaces with their 'users' expanded example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?$expand=users&$top=100
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "e380d1d0-1fa6-460b-9a90-1a5c6b02414c",  
      "isReadOnly": false,  
      "isOnDedicatedCapacity": true,  
      "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2",  
      "defaultDatasetStorageFormat": "Small",  
      "name": "Sample Group 1",  
      "description": "Sample group",  
      "type": "Workspace",  
      "state": "Active",  
      "hasWorkspaceLevelSettings": false,  
      "users": [  
        {  
          "emailAddress": "john@contoso.com",  
          "groupUserAccessRight": "Admin"  
        }  
      ]  
    },  
    {  
      "id": "183dcf10-47b8-48c4-84aa-f0bf9d5f8fcf",  
      "isReadOnly": false,  
      "isOnDedicatedCapacity": false,  
      "name": "Sample Group 2",  
      "description": "Deleted sample group",  
      "type": "Workspace",  
      "state": "Deleted",  
      "users": []  
    }  
  ]  
}
```

Get workspaces with their 'workbooks' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups?  
$expand=workbooks&$top=100
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "94E57E92-CEE2-486D-8CC8-218C97200579",  
      "isReadOnly": false,  
      "isOnDedicatedCapacity": false,  
      "description": "shorter description",  
      "type": "Workspace",  
      "state": "Removing",  
      "hasWorkspaceLevelSettings": false,  
      "name": "a",  
      "workbooks": [  
        {  
          "name": "My Excel sheet",  
          "datasetId": "8ce96c50-85a0-4db3-85c6-7ccc3ed46523"  
        }  
      ]  
    }  
  ]  
}
```

Definitions

[+] Expand table

Name	Description
Admin Dashboard	A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
AdminDataflow	The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.
AdminDataset	A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
AdminGroup	A Power BI group returned by admin APIs
AdminGroups	The OData response wrapper for a list of Power BI groups returned by Admin APIs
AdminReport	A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller

	permissions, and the availability of data in the Power BI database.
AdminTile	A Power BI tile returned by Admin APIs.
AzureResource	A response detailing a user-owned Azure resource such as a Log Analytics workspace.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
DataflowUser	A Power BI user access right entry for a dataflow
DataflowUser AccessRight	The access right that a user has for the dataflow (permission level)
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
DefaultDataset StorageFormat	The default dataset storage format in the group
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
GroupType	The group type
GroupUser	A Power BI user with access to the workspace
GroupUser AccessRight	The access right (permission level) that a user has on the workspace
PrincipalType	The principal type
ReportUser	A Power BI user access right entry for a report
ReportUser AccessRight	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)

SubscriptionUser	A Power BI email subscription user
Workbook	A Power BI workbook

AdminDashboard

A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
tiles	AdminTile[]	The tiles that belong to the dashboard
users	DashboardUser[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard
workspaceId	string	The workspace ID (GUID) of the dashboard. This property will be returned only in <code>GetDashboardsAsAdmin</code> .

AdminDataflow

The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
configuredBy	string	The dataflow owner
description	string	The dataflow description
modelUrl	string	A URL to the dataflow definition file (model.json)
modifiedBy	string	The user that modified the dataflow
modifiedDateTime	string	The date and time that the dataflow was last modified
name	string	The dataflow name
objectId	string	The dataflow ID
users	Dataflow User[]	(Empty value) The dataflow user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dataflow by using the Get Dataflow Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUser</code> parameter.
workspaceId	string	The dataflow workspace ID.

AdminDataset

A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time

Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the

[PostWorkspaceInfo](#) API with the `getArtifactUsers` parameter.

webUrl	string	The web URL of the dataset
workspaceId	string	The dataset workspace ID. This property will be returned only in <code>GetDatasetsAsAdmin</code> .

AdminGroup

A Power BI group returned by admin APIs

[\[\] Expand table](#)

Name	Type	Description
capacityId	string	The capacity ID
dashboards	Admin Dashboard[]	The dashboards that belong to the group
dataflowStorageId	string	The Power BI dataflow storage account ID
dataflows	Admin Dataflow[]	The dataflows that belong to the group
datasets	Admin Dataset[]	The datasets that belong to the group
defaultDatasetStorageFormat	Default Dataset Storage Format	The default dataset storage format in the workspace. Returned only when <code>isOnDedicatedCapacity</code> is <code>true</code>
description	string	The group description
hasWorkspaceLevelSettings	boolean	Whether the workspace has custom settings
id	string	The workspace ID
isOnDedicatedCapacity	boolean	Whether the group is assigned to a dedicated capacity
isReadOnly	boolean	Whether the group is read-only
logAnalyticsWorkspace	Azure Resource	The Log Analytics workspace assigned to the group. This is returned only when retrieving a single group.
name	string	The group name

pipelineId	string	The deployment pipeline ID that the workspace is assigned to.
reports	Admin Report[]	The reports that belong to the group
state	string	The group state
type	GroupType	The type of group being returned.
users	GroupUser[]	(Empty value) The users that belong to the group and their access rights. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Group Users As Admin API call, or the PostWorkspacelInfo API call with the <code>getArtifactUsers</code> parameter.
workbooks	Workbook[]	The workbooks that belong to the group

AdminGroups

The OData response wrapper for a list of Power BI groups returned by Admin APIs

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Admin Group[]	The list of groups

AdminReport

A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app

createdBy	string	The report owner. Available only for reports created after June 2019.
createdDateTime	string	The report creation date and time
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
modifiedBy	string	The last user that modified the report
modifiedDateTime	string	The date and time that the report was last modified
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report
workspaceId	string	The workspace ID (GUID) of the report. This property will be returned only in GetReportsAsAdmin.

AdminTile

A Power BI tile returned by Admin APIs.

[+] [Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

AzureResource

A response detailing a user-owned Azure resource such as a Log Analytics workspace.

[+] [Expand table](#)

Name	Type	Description
id	string	An identifier for the resource within Power BI.
resourceGroup	string	The resource group within the subscription where the resource resides.
resourceName	string	The name of the resource.
subscriptionId	string	The Azure subscription where the resource resides.

DashboardUser

A Power BI user access right entry for a dashboard

[+] [Expand table](#)

Name	Type	Description

dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

DataflowUser

A Power BI user access right entry for a dataflow

[\[+\] Expand table](#)

Name	Type	Description
DataflowUserAccessRight	Dataflow UserAccess Right	The access right that a user has for the dataflow (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow
Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset

Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DefaultDatasetStorageFormat

The default dataset storage format in the group

[\[+\] Expand table](#)

Name	Type	Description
Large	string	Large dataset storage format
Small	string	Small dataset storage format

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

GroupType

The group type

[\[+\] Expand table](#)

Name	Type	Description
Group	string	V1 version of shared workspace. This type of workspaces will be deprecated as Microsoft migrate all workspaces to latest version of shared workspace
Personal	string	Special type of workspace meant for SharePoint list and OneDrive integration
PersonalGroup	string	"My workspace", also known as personal workspace

Workspace	string	Shared workspace or simple workspace used to share content with other users in the organization
-----------	--------	-------------------------------------------------------------------------------------------------

GroupUser

A Power BI user with access to the workspace

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUser AccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[+] [Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content

None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ReportUser

A Power BI user access right entry for a report

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)

userType	string	Type of the user.
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ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)

artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Workbook

A Power BI workbook

[\[+\] Expand table](#)

Name	Type	Description
datasetId	string	The ID of the dataset associated with a workbook. Only applies if the workbook has an associated dataset.
name	string	The workbook name

Admin - Groups

GetUnusedArtifactsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of datasets, reports, and dashboards that have not been used within 30 days for the specified workspace. This is a preview API call.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/unused
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/unused?  
continuationToken={continuationToken}
```

URI Parameters

[] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
continuationToken	query		string	Token required to get the next chunk of the result set

Responses

[+] Expand table

Name	Type	Description
200 OK	Unused Artifacts Response	OK

Examples

Example

Sample request

HTTP
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/unused

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
UnusedArtifactEntity	The unused Power BI item entity

UnusedArtifacts	OData response wrapper for unused Power BI item (such as a report or a dashboard) entities
Response	

UnusedArtifactEntity

The unused Power BI item entity

[\[\] Expand table](#)

Name	Type	Description
artifactId	string	The ID of the Power BI item
artifactSizeInMB	integer	The size of the Power BI item in megabytes (if applicable)
artifactType	string	The Power BI item type
createdDateTime	string	The creation time of the Power BI item (if applicable)
displayName	string	The display name of the Power BI item
lastAccessedDateTime	string	The last access time of the Power BI item (if applicable)

UnusedArtifactsResponse

OData response wrapper for unused Power BI item (such as a report or a dashboard) entities

[\[\] Expand table](#)

Name	Type	Description
continuationToken	string	Token to get the next chunk of the result set
continuationUri	string	The URI for the next chunk in the result set
unusedArtifactEntities	Unused Artifact Entity[]	The unused Power BI item entities

Admin - Groups

RestoreDeletedGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Restores a deleted workspace.

Use this API call to restore workspaces.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

POST <https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/restore>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description
emailAddress	True	string	The email address of the owner of the group to be restored
name		string	The name of the group to be restored

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/groups/3bec11ee-48a9-490c-8e4d-1ebba90d491a/restore
```

Request Body

JSON

```
{
  "name": "Restored Workspace",
  "emailAddress": "john@contoso.com"
}
```

Sample response

Status code: 200

Definitions

GroupRestoreRequest

A Power BI request to restore a deleted group

[Expand table](#)

Name	Type	Description
emailAddress	string	The email address of the owner of the group to be restored
name	string	The name of the group to be restored

Admin - Groups UpdateGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the properties of the specified workspace.

To unassign a Log Analytics workspace, explicitly set the value to null.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

For Shared capacities, only the name and description can be updated.

For Premium capacities, only the name, description, defaultDatasetStorageFormat and Log Analytics workspace can be updated.

The name must be unique inside an organization.

HTTP

PATCH <https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Request Body

[Expand table](#)

Name	Required	Type	Description
id	True	string	The workspace ID
capacityId		string	The capacity ID
dashboards		Admin Dashboard[]	The dashboards that belong to the group
dataflowStorageId		string	The Power BI dataflow storage account ID
dataflows		Admin Dataflow[]	The dataflows that belong to the group
datasets		Admin Dataset[]	The datasets that belong to the group
defaultDatasetStorageFormat		Default Dataset Storage Format	The default dataset storage format in the workspace. Returned only when <code>isOnDedicatedCapacity</code> is <code>true</code>
description		string	The group description
hasWorkspaceLevelSettings		boolean	Whether the workspace has custom settings
isOnDedicatedCapacity		boolean	Whether the group is assigned to a dedicated capacity
isReadOnly		boolean	Whether the group is read-only
logAnalyticsWorkspace		Azure Resource	The Log Analytics workspace assigned to the group. This is returned only when retrieving a single group.
name		string	The group name
pipelineId		string	The deployment pipeline ID that the workspace is assigned to.
reports		Admin Report[]	The reports that belong to the group
state		string	The group state

type	GroupType	The type of group being returned.
users	GroupUser[]	(Empty value) The users that belong to the group and their access rights. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Group Users As Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
workbooks	Workbook[]	The workbooks that belong to the group

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

[+] [Expand table](#)

Example of assigning Log Analytics workspace
Example of unassigning Log Analytics workspace
Example of updating group description and defaultDatasetStorageFormat

Example of assigning Log Analytics workspace

Sample request

HTTP
<code>PATCH https://api.powerbi.com/v1.0/myorg/admin/groups/e2284830-c8dc-416b-b19a-8cdcd2729332</code>

Request Body

JSON

```
{  
  "logAnalyticsWorkspace": {  
    "subscriptionId": "d778934f-bda2-41d9-b5c7-6cf41372c1a0",  
    "resourceGroup": "myResourceGroup",  
    "resourceName": "myLogAnalyticsWorkspace"  
  }  
}
```

Sample response

Status code: 200

Example of unassigning Log Analytics workspace

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/admin/groups/e2284830-c8dc-416b-  
b19a-8cdcd2729332
```

Request Body

JSON

```
{  
  "logAnalyticsWorkspace": null  
}
```

Sample response

Status code: 200

Example of updating group description and default DatasetStorageFormat

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/admin/groups/e2284830-c8dc-416b-b19a-8cdcd2729332
```

Request Body

JSON

```
{  
  "name": "Updated Sales Results",  
  "description": "Refreshed sales numbers",  
  "defaultDatasetStorageFormat": "Large"  
}
```

Sample response

Status code: 200

Definitions

[Expand table](#)

Name	Description
Admin Dashboard	A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
AdminDataflow	The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.
AdminDataset	A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
AdminGroup	A Power BI group returned by admin APIs
AdminReport	A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
AdminTile	A Power BI tile returned by Admin APIs.
AzureResource	A response detailing a user-owned Azure resource such as a Log Analytics workspace.

DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
DataflowUser	A Power BI user access right entry for a dataflow
DataflowUser AccessRight	The access right that a user has for the dataflow (permission level)
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
DefaultDataset StorageFormat	The default dataset storage format in the group
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
GroupType	The group type
GroupUser	A Power BI user with access to the workspace
GroupUser AccessRight	The access right (permission level) that a user has on the workspace
PrincipalType	The principal type
ReportUser	A Power BI user access right entry for a report
ReportUser AccessRight	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user
Workbook	A Power BI workbook

AdminDashboard

A Power BI dashboard returned by Admin APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] Expand table

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
tiles	AdminTile[]	The tiles that belong to the dashboard
users	DashboardUser[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard
workspaceId	string	The workspace ID (GUID) of the dashboard. This property will be returned only in <code>GetDashboardsAsAdmin</code> .

AdminDataflow

The metadata of a dataflow returned by Admin APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.

[+] Expand table

Name	Type	Description
configuredBy	string	The dataflow owner
description	string	The dataflow description
modelUrl	string	A URL to the dataflow definition file (model.json)
modifiedBy	string	The user that modified the dataflow
modifiedDateTime	string	The date and time that the dataflow was last modified
name	string	The dataflow name
objectId	string	The dataflow ID
users	Dataflow User[]	(Empty value) The dataflow user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dataflow by using the Get Dataflow Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUser</code> parameter.
workspaceId	string	The dataflow workspace ID.

AdminDataset

A Power BI dataset returned by Admin APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the

		Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset
workspaceId	string	The dataset workspace ID. This property will be returned only in <code>GetDatasetsAsAdmin</code> .

AdminGroup

A Power BI group returned by admin APIs

[+] Expand table

Name	Type	Description
capacityId	string	The capacity ID
dashboards	Admin Dashboard[]	The dashboards that belong to the group
dataflowStorageId	string	The Power BI dataflow storage account ID
dataflows	Admin Dataflow[]	The dataflows that belong to the group
datasets	Admin Dataset[]	The datasets that belong to the group
defaultDatasetStorageFormat	Default Dataset Storage Format	The default dataset storage format in the workspace. Returned only when <code>isOnDedicatedCapacity</code> is <code>true</code>
description	string	The group description
hasWorkspaceLevelSettings	boolean	Whether the workspace has custom settings
id	string	The workspace ID
isOnDedicatedCapacity	boolean	Whether the group is assigned to a dedicated capacity
isReadOnly	boolean	Whether the group is read-only
logAnalyticsWorkspace	Azure Resource	The Log Analytics workspace assigned to the group. This is returned only when retrieving a single group.
name	string	The group name
pipelineId	string	The deployment pipeline ID that the workspace is assigned to.
reports	Admin Report[]	The reports that belong to the group
state	string	The group state

type	GroupType	The type of group being returned.
users	GroupUser[]	(Empty value) The users that belong to the group and their access rights. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Group Users As Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
workbooks	Workbook[]	The workbooks that belong to the group

AdminReport

A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
createdBy	string	The report owner. Available only for reports created after June 2019.
createdDateTime	string	The report creation date and time
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
modifiedBy	string	The last user that modified the report
modifiedDateTime	string	The date and time that the report was last modified
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.

reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report
workspaceId	string	The workspace ID (GUID) of the report. This property will be returned only in <code>GetReportsAsAdmin</code> .

AdminTile

A Power BI tile returned by Admin APIs.

[\[\] Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

AzureResource

A response detailing a user-owned Azure resource such as a Log Analytics workspace.

[Expand table

Name	Type	Description
id	string	An identifier for the resource within Power BI.
resourceGroup	string	The resource group within the subscription where the resource resides.
resourceName	string	The name of the resource.
subscriptionId	string	The Azure subscription where the resource resides.

DashboardUser

A Power BI user access right entry for a dashboard

[Expand table

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[+] Expand table

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

DataflowUser

A Power BI user access right entry for a dataflow

[+] Expand table

Name	Type	Description
DataflowUserAccessRight	Dataflow UserAccess Right	The access right that a user has for the dataflow (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow
Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[\[+\] Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[\[+\] Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\]](#) Expand table

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DefaultDatasetStorageFormat

The default dataset storage format in the group

[\[+\] Expand table](#)

Name	Type	Description
Large	string	Large dataset storage format
Small	string	Small dataset storage format

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings

NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

GroupType

The group type

[\[+\] Expand table](#)

Name	Type	Description
Group	string	V1 version of shared workspace. This type of workspaces will be deprecated as Microsoft migrate all workspaces to latest version of shared workspace
Personal	string	Special type of workspace meant for SharePoint list and OneDrive integration
PersonalGroup	string	"My workspace", also known as personal workspace
Workspace	string	Shared workspace or simple workspace used to share content with other users in the organization

GroupUser

A Power BI user with access to the workspace

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUser AccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal

principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[+] [Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ReportUser

A Power BI user access right entry for a report

[Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.

title	string	The app name
users	Subscription User[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Workbook

A Power BI workbook

[+] [Expand table](#)

Name	Type	Description
datasetId	string	The ID of the dataset associated with a workbook. Only applies if the workbook has an associated dataset.

name	string	The workbook name
------	--------	-------------------

Admin - Imports GetImportsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of imports for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/imports
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/imports?$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
\$expand	query		string	Expands related entities inline
\$filter	query		string	Returns a subset of a results based on Odata filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Imports	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/imports
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
      "importState": "Succeeded",
      "createdDateTime": "2018-05-08T14:56:18.477Z",
      "lastModifiedDateTime": "2018-05-08T14:56:18.477Z"
    }
  ]
}
```

```

    "updatedDateTime": "2018-05-08T14:56:18.477Z",
    "name": "SalesMarketing",
    "connectionType": "import",
    "source": "Upload",
    "datasets": [
        {
            "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
            "name": "SalesMarketing",
            "webUrl": "https://app.powerbi.com/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229"
        }
    ],
    "reports": [
        {
            "id": "5b218778-e7a5-4d73-8187-f10824047715",
            "name": "SalesMarketing",
            "webUrl": "https://app.powerbi.com/reports/5b218778-e7a5-4d73-8187-f10824047715",
            "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715"
        }
    ]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status

Import	The import object
Imports	The OData response wrapper for a Power BI import collection
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[\]](#) Expand table

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external

		users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[\[+\] Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[\[+\] Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\] Expand table](#)

Name	Type	Description

None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[+] Expand table

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Import

The import object

[+] Expand table

Name	Type	Description
createdDateTime	string	Import creation date and time
datasets	Dataset[]	The datasets associated with this import
id	string	The import ID
importState	enum: Failed Publishing Succeeded	The import upload state
name	string	The import name
reports	Report[]	The reports associated with this import
updatedDateTime	string	Import last update date and time

Imports

The OData response wrapper for a Power BI import collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Import()	The import collection

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report

originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] Expand table

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

reportUserAccessRight	ReportUserAccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description

artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] Expand table

Name	Type	Description

displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - InformationProtection RemoveLabelsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Remove sensitivity labels from Power BI items (such as reports or dashboards) by item ID.

For a usage example, see [Set or remove sensitivity labels](#).

Permissions

The user must be a Fabric administrator.

The admin user must have sufficient [usage rights](#) to delete labels.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 25 requests per hour.

Each request can update up to 2,000 Power BI items.

HTTP

POST

<https://api.powerbi.com/v1.0/myorg/admin/informationprotection/removeLabels>

Request Body

[+] [Expand table](#)

Name	Type	Description
dashboards	ArtifactId[]	A list of unique dashboard IDs

dataflows	ArtifactId[]	A list of unique dataflow IDs
datasets	ArtifactStringId[]	A list of unique dataset IDs
reports	ArtifactId[]	A list of unique report IDs

Responses

[Expand table](#)

Name	Type	Description
200 OK	Information	OK Protection Change Label Response

Examples

Example

Sample request

HTTP

```
POST
https://api.powerbi.com/v1.0/myorg/admin/informationprotection/removeLabels
```

Request Body

JSON

```
{
  "dashboards": [
    {
      "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542a"
    },
    {
      "id": "476fcfafe-b514-495d-b13f-ca9a4f0b1d8b"
    }
  ],
  "reports": [
    {
      "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542c"
    }
  ]
}
```

```
        }
    ],
    "datasets": [
        {
            "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542e"
        },
        {
            "id": "myDatabaseName"
        }
    ],
    "dataflows": [
        {
            "id": "476fcache-b514-495d-b13f-ca9a4f0b1d8g"
        }
    ]
}
```

Sample response

Status code: 200

JSON

```
{
    "dashboards": [
        {
            "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542a",
            "status": "NotFound"
        },
        {
            "id": "476fcache-b514-495d-b13f-ca9a4f0b1d8b",
            "status": "Failed"
        }
    ],
    "reports": [
        {
            "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542c",
            "status": "Succeeded"
        }
    ],
    "datasets": [
        {
            "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542e",
            "status": "InsufficientUsageRights"
        },
        {
            "id": "myDatabaseName",
            "status": "FailedToGetUsageRights"
        }
    ],
    "dataflows": [
        {
            "id": "476fcache-b514-495d-b13f-ca9a4f0b1d8g",
            "status": "Failed"
        }
    ]
}
```

```

        "status": "Succeeded"
    }
]
}

```

Definitions

[Expand table](#)

Name	Description
ArtifactId	The unique ID of a Power BI item in UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.
ArtifactStringId	The unique ID of a Power BI item in string or UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.
ChangeLabelStatus	The unique ID and information protection label change status of a Power BI item
InformationProtectionArtifactsChangeLabel	A composite of Power BI item IDs for each item type. The IDs specify which Power BI items require an information protection label update.
InformationProtectionChangeLabelResponse	A composite of the ID and information protection label change status for one or more Power BI items organized by type
status	The status of an information protection label change operation

ArtifactId

The unique ID of a Power BI item in UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.

[Expand table](#)

Name	Type	Description
id	string	An ID in UUID format

ArtifactStringId

The unique ID of a Power BI item in string or UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.

[\[+\] Expand table](#)

Name	Type	Description
id	string	An ID in string or UUID format

ChangeLabelStatus

The unique ID and information protection label change status of a Power BI item

[\[+\] Expand table](#)

Name	Type	Description
id	string	The unique ID of a Power BI item. The ID is in UUID format for dashboards, reports, and dataflows; and in UUID or string format for datasets.
status	status	The status of an information protection label change operation

InformationProtectionArtifactsChangeLabel

A composite of Power BI item IDs for each item type. The IDs specify which Power BI items require an information protection label update.

[\[+\] Expand table](#)

Name	Type	Description
dashboards	ArtifactId[]	A list of unique dashboard IDs
dataflows	ArtifactId[]	A list of unique dataflow IDs
datasets	Artifact StringId[]	A list of unique dataset IDs
reports	ArtifactId[]	A list of unique report IDs

InformationProtectionChangeLabelResponse

A composite of the ID and information protection label change status for one or more Power BI items organized by type

[\[+\] Expand table](#)

Name	Type	Description
dashboards	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more dashboards
dataflows	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more dataflows
datasets	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more datasets
reports	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more reports

status

The status of an information protection label change operation

[\[+\] Expand table](#)

Name	Type	Description
Failed	string	Failed to set a new label. Please retry.
FailedToGetUsageRights	string	Failed to set a new label. The Power BI item has a sensitivity label with protection settings, and Power BI was unable to verify that the user has sufficient usage rights to change the label.
InsufficientUsageRights	string	Failed to set a new label. The Power BI item has a sensitivity label with protection settings, and the admin user (and the delegated user, if provided) doesn't have sufficient usage rights to change the label.
NotFound	string	The Power BI item ID or label wasn't found
Succeeded	string	The Power BI item label was changed

Admin - InformationProtection SetLabelsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Set sensitivity labels on Power BI items (such as reports or dashboards) by item ID.

To set a sensitivity label using this API, the admin user or the delegated user (if provided) must have the label included in their [label policy](#). For a usage example, see [Set or remove sensitivity labels](#).

Permissions

The user must be a Fabric administrator.

The admin user and the delegated user (if provided) must have sufficient [usage rights](#) to set labels.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 25 requests per hour.

Each request can update up to 2,000 Power BI items.

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/admin/informationprotection/setLabels</code>

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description

artifacts	True	Information Protection ArtifactsChange Label	A composite of Power BI item IDs for each item type
labelId	True	string	The label ID, which must be in the user's label policy.
assignmentMethod		assignment Method	Specifies whether the assigned label was set by an automated process or manually.
delegatedUser		DelegatedUser	Delegated user details. A delegated user is a user within an organization whose admin sets a label on behalf of the user. Although the admin sets the label, the delegated user is marked as the label issuer.

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Information Protection Change Label Response	OK

Examples

Example

Sample request

```
HTTP
POST
https://api.powerbi.com/v1.0/myorg/admin/informationprotection/setLabels
```

Request Body

```
JSON
```

```
{
  "artifacts": {
    "dashboards": [
      {
        "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542a"
      },
      {
        "id": "476fcfafe-b514-495d-b13f-ca9a4f0b1d8b"
      }
    ],
    "reports": [
      {
        "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542c"
      }
    ],
    "datasets": [
      {
        "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542e"
      },
      {
        "id": "myDatabaseName"
      }
    ],
    "dataflows": [
      {
        "id": "476fcfafe-b514-495d-b13f-ca9a4f0b1d8g"
      }
    ]
  },
  "labelId": "fe472f5e-636e-4c10-a1c6-7e9edc0b542p",
  "assignmentMethod": "Standard",
  "delegatedUser": {
    "emailAddress": "john@contoso.com"
  }
}
```

Sample response

Status code: 200

JSON

```
{
  "dashboards": [
    {
      "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542a",
      "status": "NotFound"
    },
    {
      "id": "476fcfafe-b514-495d-b13f-ca9a4f0b1d8b",
      "status": "Failed"
    }
  ]
}
```

```

],
"reports": [
{
  "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542c",
  "status": "Succeeded"
}
],
"datasets": [
{
  "id": "fe472f5e-636e-4c10-a1c6-7e9edc0b542e",
  "status": "InsufficientUsageRights"
},
{
  "id": "myDatabaseName",
  "status": "FailedToGetUsageRights"
}
],
"dataflows": [
{
  "id": "476fcfafe-b514-495d-b13f-ca9a4f0b1d8g",
  "status": "Succeeded"
}
]
}
]
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
ArtifactId	The unique ID of a Power BI item in UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.
ArtifactStringId	The unique ID of a Power BI item in string or UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.
assignmentMethod	Specifies whether the assigned label was set by an automated process or manually.
ChangeLabelStatus	The unique ID and information protection label change status of a Power BI item
DelegatedUser	Delegated user details. The user must be an existing user in Power BI and Azure AAD, and must have signed in to Power BI during the last three months.

InformationProtectionArtifactsChangeLabel	A composite of Power BI item IDs for each item type. The IDs specify which Power BI items require an information protection label update.
InformationProtectionChangeLabelDetails	A composite of label information required to update an information protection label
InformationProtectionChangeLabelResponse	A composite of the ID and information protection label change status for one or more Power BI items organized by type
status	The status of an information protection label change operation

ArtifactId

The unique ID of a Power BI item in UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.

[\[+\] Expand table](#)

Name	Type	Description
id	string	An ID in UUID format

ArtifactStringId

The unique ID of a Power BI item in string or UUID format. Dashboard, report, and dataflow IDs are in UUID format, and dataset IDs can be in UUID or string format.

[\[+\] Expand table](#)

Name	Type	Description
id	string	An ID in string or UUID format

assignmentMethod

Specifies whether the assigned label was set by an automated process or manually.

[\[+\] Expand table](#)

Name	Type	Description
Privileged	string	The label was set manually
Standard	string	The label was set by an automated process (default value)

ChangeLabelStatus

The unique ID and information protection label change status of a Power BI item

[+] [Expand table](#)

Name	Type	Description
id	string	The unique ID of a Power BI item. The ID is in UUID format for dashboards, reports, and dataflows; and in UUID or string format for datasets.
status	status	The status of an information protection label change operation

DelegatedUser

Delegated user details. The user must be an existing user in Power BI and Azure AAD, and must have signed in to Power BI during the last three months.

[+] [Expand table](#)

Name	Type	Description
emailAddress	string	The email address of the delegated user

InformationProtectionArtifactsChangeLabel

A composite of Power BI item IDs for each item type. The IDs specify which Power BI items require an information protection label update.

[+] [Expand table](#)

Name	Type	Description
dashboards	ArtifactId []	A list of unique dashboard IDs
dataflows	ArtifactId []	A list of unique dataflow IDs
datasets	Artifact StringId []	A list of unique dataset IDs
reports	ArtifactId []	A list of unique report IDs

InformationProtectionChangeLabelDetails

A composite of label information required to update an information protection label

[+] Expand table

Name	Type	Description
artifacts	Information Protection Artifacts Change Label	A composite of Power BI item IDs for each item type
assignmentMethod	assignment Method	Specifies whether the assigned label was set by an automated process or manually.
delegatedUser	Delegated User	Delegated user details. A delegated user is a user within an organization whose admin sets a label on behalf of the user. Although the admin sets the label, the delegated user is marked as the label issuer.
labelId	string	The label ID, which must be in the user's label policy.

InformationProtectionChangeLabelResponse

A composite of the ID and information protection label change status for one or more Power BI items organized by type

[+] Expand table

Name	Type	Description
dashboards	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more dashboards
dataflows	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more dataflows
datasets	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more datasets
reports	Change Label Status[]	A list containing the unique ID and information protection label change status of one or more reports

status

The status of an information protection label change operation

[Expand table](#)

Name	Type	Description
Failed	string	Failed to set a new label. Please retry.
FailedToGetUsageRights	string	Failed to set a new label. The Power BI item has a sensitivity label with protection settings, and Power BI was unable to verify that the user has sufficient usage rights to change the label.
InsufficientUsageRights	string	Failed to set a new label. The Power BI item has a sensitivity label with protection settings, and the admin user (and the delegated user, if provided) doesn't have sufficient usage rights to change the label.
NotFound	string	The Power BI item ID or label wasn't found
Succeeded	string	The Power BI item label was changed

Admin - Patch Capacity As Admin

Reference

Service: Power BI REST APIs

API Version: v1.0

Changes specific capacity information. Currently, this API call only supports changing the capacity's encryption key.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.Read.All or TenantReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/admin/capacities/{capacityId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
capacityId	path	True	string uuid	The capacity ID

Request Body

[\[+\] Expand table](#)

Name	Type	Description
------	------	-------------

tenantKeyId	string	The ID of the encryption key
-------------	--------	------------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/admin/capacities/0f084df7-c13d-451b-af5f-ed0c466403b2
```

Request Body

JSON

```
{  
    "tenantKeyId": "82d9a37a-2b45-4221-b012-cb109b8e30c7"  
}
```

Sample response

Status code: 200

Definitions

CapacityPatchRequest

A patch capacity request

[+] Expand table

Name	Type	Description
tenantKeyId	string	The ID of the encryption key

Admin - Pipelines DeleteUserAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Removes user permissions from a specified deployment pipeline.

Permissions

The user must have administrator rights.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

DELETE

`https://api.powerbi.com/v1.0/myorg/admin/pipelines/{pipelineId}/users/{identifier}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
identifier	path	True	string	For the principal type <code>User</code> , provide the user principal name (UPN). Otherwise, provide the <code>Object ID</code> of the principal.
pipelineId	path	True	string uuid	The deployment pipeline ID

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

[+] Expand table

Remove group access to a deployment pipeline example
Remove service principal access to a deployment pipeline example
Remove user access to a deployment pipeline example

Remove group access to a deployment pipeline example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users/5dba60b0-d9a7-42a3-b12c-6d9d51e7739a
```

Sample response

Status code: 200

Remove service principal access to a deployment pipeline example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users/a35d842b-90d5-59a1-c56a-5f8fcff0bf9d
```

Sample response

Status code: 200

Remove user access to a deployment pipeline example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users/john@contoso.com
```

Sample response

Status code: 200

Admin - Pipelines

GetPipelineUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to a specified deployment pipeline.

Permissions

The user must have administrator rights or authenticate using a service principal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/admin/pipelines/{pipelineId}/users</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Pipeline Users	OK

Examples

Get users of a deployment pipeline example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "identifier": "john@contoso.com",
      "accessRight": "Admin",
      "principalType": "User"
    },
    {
      "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",
      "accessRight": "Admin",
      "principalType": "Group"
    },
    {
      "identifier": "a35d842b-90d5-59a1-c56a-5f8fcff0bf9d",
      "accessRight": "Admin",
      "principalType": "App"
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
PipelineUser	A Power BI user access right entry for a deployment pipeline
PipelineUserAccessRight	Required. The access right a user has for the deployment pipeline.
PipelineUsers	OData response wrapper for a collection of Power BI deployment pipeline users
PrincipalType	The principal type

PipelineUser

A Power BI user access right entry for a deployment pipeline

[\[+\] Expand table](#)

Name	Type	Description
accessRight	PipelineUserAccessRight	Required. The access right a user has for the deployment pipeline.
identifier	string	For principal type <code>User</code> , provide the <i>UPN</i> . Otherwise provide the object ID of the principal.
principalType	PrincipalType	The principal type

PipelineUserAccessRight

Required. The access right a user has for the deployment pipeline.

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	Grants administrator rights to a deployment pipeline

PipelineUsers

OData response wrapper for a collection of Power BI deployment pipeline users

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Pipeline User[]	The collection of deployment pipeline users

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Admin - Pipelines GetPipelinesAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of deployment pipelines for the organization.

Permissions

The user must have administrator rights or authenticate using a service principal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/pipelines
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/pipelines?$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[] Expand table

Name	In	Required	Type	Description
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports

`users` and `stages`.

\$filter	query	string	Filters the results based on a boolean condition. This API only supports filtering for orphaned deployment pipelines . Unsupported filters will return unfiltered results.
\$skip	query	integer int32	Skips the first n results. Use with top to fetch results beyond the first 5000.
\$top	query	integer int32	Returns only the first n results. This parameter must be in the range of 1-5000.

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Admin Pipelines	OK

Examples

[+] [Expand table](#)

Get deployment pipelines example
Get deployment pipelines with their 'stages' expanded example
Get deployment pipelines with their 'users' expanded example
Get orphaned deployment pipelines example

Get deployment pipelines example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/pipelines
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",  
      "displayName": "Marketing Deployment Pipeline",  
      "description": "Power BI deployment pipeline to manage marketing  
reports"  
    },  
    {  
      "id": "183dcf10-47b8-48c4-84aa-f0bf9d5f8fcf",  
      "displayName": "Financing Deployment Pipeline",  
      "description": "Power BI deployment pipeline to manage financing  
reports"  
    }  
  ]  
}
```

Get deployment pipelines with their 'stages' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/pipelines?  
$expand=stages&$top=100
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",  
      "displayName": "Marketing Deployment Pipeline",  
      "description": "Power BI deployment pipeline to manage marketing  
reports",  
      "stages": [  
        {  
          "order": "0",  
          "workspaceId": "5dba60b0-d9a7-42a3-b12c-6d9d51e7739a",  
          "workspaceName": "SQLAzure-Refresh"  
        }  
      ]  
    }  
  ]  
}
```

```
        },
        {
            "order": "1",
            "workspaceId": "8ce96c50-85a0-4db3-85c6-7ccc3ed46523",
            "workspaceName": "SQLAzure-Refresh[Test]"
        },
        {
            "order": "2"
        }
    ]
}
]
```

Get deployment pipelines with their 'users' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/pipelines?
$expand=users&$top=100
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",
            "displayName": "Marketing Deployment Pipeline",
            "description": "Power BI deployment pipeline to manage marketing reports",
            "users": [
                {
                    "identifier": "john@contoso.com",
                    "accessRight": "Admin",
                    "principalType": "User"
                },
                {
                    "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",
                    "accessRight": "Admin",
                    "principalType": "Group"
                },
                {

```

```
        "identifier": "a35d842b-90d5-59a1-c56a-5f8fcff0bf9d",
        "accessRight": "Admin",
        "principalType": "App"
    }
]
},
{
    "id": "183dcf10-47b8-48c4-84aa-f0bf9d5f8fcf",
    "displayName": "Financing Deployment Pipeline",
    "description": "Power BI deployment pipeline to manage financing reports",
    "users": []
}
]
```

Get orphaned deployment pipelines example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/pipelines?
$expand=users&$filter=(not users/any())&$top=100
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "id": "183dcf10-47b8-48c4-84aa-f0bf9d5f8fcf",
            "displayName": "Financing Deployment Pipeline",
            "description": "Power BI deployment pipeline to manage financing reports",
            "users": []
        }
    ]
}
```

Definitions

[] Expand table

Name	Description
AdminPipeline	A Power BI pipeline returned by user APIs
AdminPipelines	OData response wrapper for a collection of Power BI deployment pipelines
PipelineStage	A Power BI deployment pipeline stage
PipelineUser	A Power BI user access right entry for a deployment pipeline
PipelineUserAccess Right	Required. The access right a user has for the deployment pipeline.
PrincipalType	The principal type

AdminPipeline

A Power BI pipeline returned by user APIs

[\[\] Expand table](#)

Name	Type	Description
description	string	The deployment pipeline description
displayName	string	The deployment pipeline display name
id	string	The deployment pipeline ID
stages	Pipeline Stage[]	The collection of deployment pipeline stages. Only returned when <code>\$expand</code> is set to <code>stages</code> in the request.
users	Pipeline User[]	The collection of deployment pipeline users. Only returned when <code>\$expand</code> is set to <code>users</code> in the request.

AdminPipelines

OData response wrapper for a collection of Power BI deployment pipelines

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Admin	The collection of deployment pipelines

PipelineStage

A Power BI deployment pipeline stage

[+] Expand table

Name	Type	Description
order	integer	The stage order, starting from zero.
workspaceId	string	The assigned workspace ID. Only applicable when there's an assigned workspace.
workspaceName	string	The assigned workspace name. Only applicable when there's an assigned workspace and the user has access to the workspace.

PipelineUser

A Power BI user access right entry for a deployment pipeline

[+] Expand table

Name	Type	Description
accessRight	PipelineUser AccessRight	Required. The access right a user has for the deployment pipeline.
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	Principal Type	The principal type

PipelineUserAccessRight

Required. The access right a user has for the deployment pipeline.

[+] Expand table

Name	Type	Description
Admin	string	Grants administrator rights to a deployment pipeline

PrincipalType

The principal type

[Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Admin - Pipelines UpdateUserAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Grants user permissions to a specified deployment pipeline.

Permissions

The user must have administrator rights.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

POST `https://api.powerbi.com/v1.0/myorg/admin/pipelines/{pipelineId}/users`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
------	----------	------	-------------

identifier	True	string	For principal type <code>User</code> , provide the <i>UPN</i> . Otherwise provide the object ID of the principal.
principalType	True	PrincipalType	The principal type
accessRight		PipelineUser AccessRight	Required. The access right a user has for the deployment pipeline.

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK		OK

Examples

[+] [Expand table](#)

Add a group to a deployment pipeline example
Add a service principal to a deployment pipeline example
Add a user to a deployment pipeline example

Add a group to a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users
```

Request Body

JSON

```
{
  "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",
  "accessRight": "Admin",
```

```
    "principalType": "Group"  
}
```

Sample response

Status code: 200

Add a service principal to a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/pipelines/8ce96c50-85a0-4db3-  
85c6-7ccc3ed46523/users
```

Request Body

JSON

```
{  
  "identifier": "a35d842b-90d5-59a1-c56a-5f8fcff0bf9d",  
  "accessRight": "Admin",  
  "principalType": "App"  
}
```

Sample response

Status code: 200

Add a user to a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/pipelines/8ce96c50-85a0-4db3-  
85c6-7ccc3ed46523/users
```

Request Body

JSON

```
{  
  "identifier": "john@contoso.com",
```

```
"accessRight": "Admin",
"principalType": "User"
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
PipelineUser	A Power BI user access right entry for a deployment pipeline
PipelineUserAccessRight	Required. The access right a user has for the deployment pipeline.
PrincipalType	The principal type

PipelineUser

A Power BI user access right entry for a deployment pipeline

[\[+\] Expand table](#)

Name	Type	Description
accessRight	PipelineUser AccessRight	Required. The access right a user has for the deployment pipeline.
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	Principal Type	The principal type

PipelineUserAccessRight

Required. The access right a user has for the deployment pipeline.

[\[+\] Expand table](#)

Name	Type	Description

Admin	string	Grants administrator rights to a deployment pipeline
-------	--------	------------------------------------------------------

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Admin - Profiles DeleteProfileAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified service principal profile.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/profiles/{profileId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
profileId	path	True	string uuid	The service principal profile ID

Responses

[\[+\] Expand table](#)

Name	Type	Description

200 OK

OK

Examples

Delete a service principal profile

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/admin/profiles/b3ded933-57b7-21f4-b072-ed4c1f9d5824
```

Sample response

Status code: 200

Admin - Profiles GetProfilesAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of service principal profiles for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/profiles
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/profiles?$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

 Expand table

Name	In	Required	Type	Description
\$filter	query		string	Filters the results based on a boolean condition, using 'id', 'displayName', or 'servicePrincipalId'. Supports

only 'eq' operator.

\$skip	query	integer int32	Skips the first n results. Use with top to fetch results beyond the first 5000.
\$top	query	integer int32	Returns only the first n results. This parameter must be in the range of 1-5000.

Responses

[Expand table](#)

Name	Type	Description
200 OK	Admin Service Principal Profiles	OK

Examples

[Expand table](#)

Get a specific service principal profile by id using filter

Get service principal profiles by their parent servicePrincipalId using filter

Get a specific service principal profile by id using filter

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/profiles?  
$filter=id%20eq%20'3b211778-e7a5-4d73-8187-f10824047724'
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "3b211778-e7a5-4d73-8187-f10824047724",  
      "name": "Power BI Admin",  
      "parentServicePrincipalId": "3b211778-e7a5-4d73-8187-f10824047724",  
      "principalType": "Service Principal",  
      "profileType": "Service Principal Profile",  
      "status": "Active"  
    }  
  ]  
}
```

```
{  
    "id": "3b211778-e7a5-4d73-8187-f10824047724",  
    "displayName": "My new profile",  
    "servicePrincipalId": "12345678-e7a5-4d73-8187-f10824041234"  
}  
]  
}
```

Get service principal profiles by their parent service PrincipalId using filter

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/profiles?  
$filter=servicePrincipalId%20eq%20'12345678-e7a5-4d73-8187-f10824041234'
```

Sample response

Status code: 200

JSON

```
{  
    "value": [  
        {  
            "id": "3b211778-e7a5-4d73-8187-f10824047724",  
            "displayName": "My new profile",  
            "servicePrincipalId": "12345678-e7a5-4d73-8187-f10824041234"  
        },  
        {  
            "id": "43211778-e7a5-4d73-8187-f10824044321",  
            "displayName": "My new profile2",  
            "servicePrincipalId": "12345678-e7a5-4d73-8187-f10824041234"  
        }  
    ]  
}
```

Definitions

[+] Expand table

Name	Description

AdminServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
AdminServicePrincipalProfiles	Odata response wrapper for a Power BI service principal profile collection.

AdminServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID
servicePrincipalId	string	The service principal ID

AdminServicePrincipalProfiles

Odata response wrapper for a Power BI service principal profile collection.

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Admin Service Principal Profile[]	The service principal profile collection

Admin - Reports

GetReportSubscriptionsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of report subscriptions along with subscriber details. This is a preview API call.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/admin/reports/{reportId}/subscriptions</code>

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Responses

 Expand table

Name	Type	Description
200 OK	Subscriptions	OK

Examples

Example

Sample request

HTTP

GET

<https://api.powerbi.com/v1.0/myorg/admin/reports/{reportId}/subscriptions>

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "18b746fe-c6d5-4a00-9523-05dc91424274",  
      "title": "TestReportSubscription-1",  
      "artifactId": "7b71b90a-a333-4006-b12c-ef3d767fa4e9",  
      "artifactDisplayName": "Customer Profitability Sample",  
      "subArtifactDisplayName": "Team Scorecard",  
      "artifactType": "Report",  
      "isEnabled": true,  
      "frequency": "Daily",  
      "startDate": "10/13/2021 12:00:00 AM",  
      "endDate": "10/13/2022 12:00:00 AM",  
      "linkToContent": true,  
      "previewImage": true,  
      "attachmentFormat": "PNG",  
      "users": [  
        {  
          "displayName": "John Nick",  
          "emailAddress": "john@contoso.com",  
          "identifier": "john@contoso.com",  
          "graphId": "3fadb6e4-130c-4a8f-aeac-416e38b66756",  
          "isPrimary": true  
        }  
      ]  
    }  
  ]  
}
```

```

        "principalType": "User"
    }
]
}
]
```

Definitions

[\[\] Expand table](#)

Name	Description
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
Subscriptions	OData response wrapper for a Power BI subscriptions
SubscriptionUser	A Power BI email subscription user

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call , the returned

value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the [Get Report Subscriptions As Admin](#) or [Get Dashboard Subscriptions As Admin](#) API calls.

Subscriptions

OData response wrapper for a Power BI subscriptions

[+] [Expand table](#)

Name	Type	Description
odata.context	string	
value	Subscription[]	Power BI email subscription

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - Reports

GetReportUsersAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified report.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/reports/{reportId}/users
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
------	----	----------	------	-------------

reportId	path	True	string uuid	The report ID
----------	------	------	----------------	---------------

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	ReportUsers	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/reports/{reportId}/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "displayName": "John Nick",
      "emailAddress": "john@contoso.com",
      "reportUserAccessRight": "Owner",
      "identifier": "john@contoso.com",
      "graphId": "3fadb6e4-130c-4a8f-aeac-416e38b66756",
      "principalType": "User"
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
PrincipalType	The principal type
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ReportUsers	The OData response wrapper for a list of Power BI users with access to a report
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ReportUser

A Power BI user access right entry for a report

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.

identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ReportUsers

The OData response wrapper for a list of Power BI users with access to a report

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Report User[]	The list of users with access to a report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Admin - Reports GetReportsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of reports for the organization.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 50 requests per hour or 5 requests per minute, per tenant.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/reports
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/reports?$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
\$filter	query		string	Returns a subset of a results based on Odata filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[Expand table](#)

Name	Type	Description
200 OK	Admin Reports	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/reports
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "id": "5b218778-e7a5-4d73-8187-f10824047715",
      "name": "SalesMarketing",
      "webUrl": "https://app.powerbi.com/reports/5b218778-e7a5-4d73-8187-
```

```

    "f10824047715",
    "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-
e7a5-4d73-8187-f10824047715",
    "workspaceId": "278e22a3-2aee-4057-886d-c3225423bc10"
}
]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
AdminReport	A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
AdminReports	OData response wrapper for a Power BI Admin report collection
PrincipalType	The principal type
ReportUser	A Power BI user access right entry for a report
ReportUser AccessRight	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
Subscription User	A Power BI email subscription user

AdminReport

A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app

createdBy	string	The report owner. Available only for reports created after June 2019.
createdDateTime	string	The report creation date and time
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
modifiedBy	string	The last user that modified the report
modifiedDateTime	string	The date and time that the report was last modified
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report
workspaceId	string	The workspace ID (GUID) of the report. This property will be returned only in GetReportsAsAdmin.

AdminReports

OData response wrapper for a Power BI Admin report collection

[+] Expand table

Name	Type	Description
odata.context	string	OData context
value	Admin Report[]	The report collection

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ReportUser

A Power BI user access right entry for a report

[+] Expand table

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type

profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - Reports

GetReportsInGroupAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of reports from the specified workspace.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

Delegated permissions are supported.

When running under service principal authentication, an app **must not** have any admin-consent required premissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/reports
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/{groupId}/reports?  
$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
\$filter	query		string	Returns a subset of a results based on Odata ↗ filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[+] Expand table

Name	Type	Description
200 OK	Admin Reports	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "id": "5b218778-e7a5-4d73-8187-f10824047715",
      "name": "SalesMarketing",
      "webUrl": "https://app.powerbi.com/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715",
      "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48"
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
AdminReport	A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
AdminReports	OData response wrapper for a Power BI Admin report collection
PrincipalType	The principal type
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

AdminReport

A Power BI report returned by Admin APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
createdBy	string	The report owner. Available only for reports created after June 2019.
createdDateTime	string	The report creation date and time
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
modifiedBy	string	The last user that modified the report
modifiedDateTime	string	The date and time that the report was last modified
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

workspaceId	string	The workspace ID (GUID) of the report. This property will be returned only in GetReportsAsAdmin.
-------------	--------	--------------------------------------------------------------------------------------------------

AdminReports

OData response wrapper for a Power BI Admin report collection

[+] [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Admin Report []	The report collection

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name

id	string	The service principal profile ID
-----------	--------	----------------------------------

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report

Subscriptions As Admin or [Get Dashboard Subscriptions As Admin](#) API calls.

SubscriptionUser

A Power BI email subscription user

 [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - Rotate Power BI Encryption Key

Reference

Service: Power BI REST APIs

API Version: v1.0

Rotate the encryption key for Power BI workspaces assigned to a capacity.

Permissions

The user must be a Fabric administrator.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 600 requests per hour.

HTTP

POST

<https://api.powerbi.com/v1.0/myorg/admin/tenantKeys/{tenantKeyId}/Default.Rotate>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
tenantKeyId	path	True	string uuid	The tenant key ID

Request Body

[+] Expand table

Name	Type	Description
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault

Responses

[+] Expand table

Name	Type	Description
200 OK	TenantKey	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/tenantKeys/82d9a37a-2b45-4221-b012-cb109b8e30c7/Default.Rotate
```

Request Body

JSON

```
{
  "keyVaultKeyIdentifier": "https://contoso-vault2.vault.azure.net/keys/ContosoKeyVault/b2ab4ba1c7b341eea5ecaaa2wb54c4d2"
}
```

Sample response

Status code: 200

JSON

```
{
  "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
  "name": "Contoso Sales",
  "keyVaultKeyIdentifier": "https://contoso-
```

```

  "vault2.vault.azure.net/keys/ContosoKeyVault/b2ab4ba1c7b341eea5ecaaa2wb54c4d2
",
  "isDefault": true,
  "createdAt": "2019-04-30T21:35:15.867-07:00",
  "updatedAt": "2019-04-30T21:35:15.867-07:00"
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
TenantKey	Encryption key information
TenantKeyRotationRequest	A request to rotate an encryption key

TenantKey

Encryption key information

[\[+\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

TenantKeyRotationRequest

A request to rotate an encryption key

[\[+\] Expand table](#)

Name	Type	Description
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault

Admin - Users

GetUserArtifactAccessAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of Power BI items (such as reports or dashboards) that the specified user has access to.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/users/{userId}/artifactAccess
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/users/{userId}/artifactAccess?
continuationToken={continuationToken}&artifactTypes={artifactTypes}
```

URI Parameters

[] Expand table

Name	In	Required	Type	Description
userId	path	True	string	The graph ID or user principal name (UPN) of the user
artifactTypes	query		string	Comma separated list of artifact types.
continuationToken	query		string	Token required to get the next chunk of the result set

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Artifact Access Response	OK

Examples

[\[+\] Expand table](#)

Example
Example with artifactTypes
Example with Guest User
Example with UPN

Example

Sample request

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/admin/users/f089354e-8366-4e18-aea3-4cb4a3a50b48/artifactAccess</code>

Sample response

Status code: 200

JSON

```
{  
    "artifactAccessEntities": [  
        {  
            "artifactId": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",  
            "displayName": "test report",  
            "artifactType": "Report",  
            "accessRight": "ReadWrite"  
        }  
    ],  
    "continuationUri":  
        "https://api.powerbi.com/v1.0/myorg/admin/users/f089354e-8366-4e18-aea3-  
        4cb4a3a50b48/artifactAccess?continuationToken='LDEsMTAwMDAwLDA%3D'",  
        "continuationToken": "LDEsMTAwMDAwLDA%3D"  
}
```

Example with artifactTypes

Sample request

HTTP

GET

<https://api.powerbi.com/v1.0/myorg/admin/users/testUser@microsoft.com/artifactAccess?artifactTypes=Dataflow,Dashboard>

Sample response

Status code: 200

JSON

```
{  
    "artifactAccessEntities": [  
        {  
            "artifactId": "09ce06d1-e81b-f ea0-1c6d-8fe3dd2f8e87",  
            "displayName": "Test Dataflow",  
            "artifactType": "Dataflow",  
            "accessRight": "ReadWrite"  
        }  
    ],  
    "continuationUri":  
        "https://api.powerbi.com/v1.0/myorg/admin/users/testUser%40microsoft.com/art  
        ifactAccess?continuationToken='LDEsMTAwMDAwLDA%3D'",  
        "continuationToken": "LDEsMTAwMDAwLDA%3D"  
}
```

Example with Guest User

Sample request

HTTP

```
GET  
https://api.powerbi.com/v1.0/myorg/admin/users/testUser_microsoft.com%23EXT%  
23@contoso.com/artifactAccess
```

Sample response

Status code: 200

JSON

```
{  
  "artifactAccessEntities": [  
    {  
      "artifactId": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",  
      "displayName": "test report",  
      "artifactType": "Report",  
      "accessRight": "ReadWrite"  
    }  
  ],  
  "continuationUri":  
  "https://api.powerbi.com/v1.0/myorg/admin/users/testUser_microsoft.com%23EXT%  
23%40contoso.com/artifactAccess?continuationToken='LDEsMTAwMDAwLDA%3D'",  
  "continuationToken": "LDEsMTAwMDAwLDA%3D"  
}
```

Example with UPN

Sample request

HTTP

```
GET  
https://api.powerbi.com/v1.0/myorg/admin/users/testUser@microsoft.com/artifa  
ctAccess
```

Sample response

Status code: 200

JSON

```
{
  "artifactAccessEntities": [
    {
      "artifactId": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",
      "displayName": "test report",
      "artifactType": "Report",
      "accessRight": "ReadWrite"
    }
  ],
  "continuationUri":
  "https://api.powerbi.com/v1.0/myorg/admin/users/testUser%40microsoft.com/art
  ifactAccess?continuationToken='LDEsMTAwMDAwLDA%3D'",
  "continuationToken": "LDEsMTAwMDAwLDA%3D"
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
ArtifactAccessEntry	A user access entry for a Power BI item
ArtifactAccessResponse	The OData response wrapper for a list of Power BI items (such as reports or dashboards) that a user can access
ArtifactType	The artifact type
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
User	A Power BI user

ArtifactAccessEntry

A user access entry for a Power BI item

[\[+\] Expand table](#)

Name	Type	Description
accessRight	string	The access right that the user has for the Power BI item
artifactId	string	The Power BI item ID

artifactType	ArtifactType	The type of Power BI item
displayName	string	The display name of the Power BI item
shareType	string	The type of how the access is given to the Power BI item. Only available for widely shared artifacts APIs.
sharer	User	The user who shared the Power BI item. Only available for widely shared artifacts APIs.

ArtifactAccessResponse

The OData response wrapper for a list of Power BI items (such as reports or dashboards) that a user can access

[\[+\] Expand table](#)

Name	Type	Description
artifactAccessEntities	Artifact Access Entry[]	The list of Power BI items that a user can access
continuationToken	string	The token for the next chunk in the result set
continuationUri	string	The URI of the next chunk in the result set
odata.context	string	

ArtifactType

The artifact type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Power BI Apps
Capacity	string	Capacity object
Dashboard	string	Power BI Dashboard
Dataflow	string	Power BI Dataflow
Dataset	string	Power BI Dataset

Group	string	V1 shared workspace object
PaginatedReport	string	Power BI Paginated Report
PersonalGroup	string	My workspace object
Report	string	Power BI Report
Workspace	string	Shared workspace object

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

User

A Power BI user

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - Users

GetUserSubscriptionsAsAdmin

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of subscriptions for the specified user. This is a preview API call.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/users/{userId}/subscriptions
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/users/{userId}/subscriptions?  
continuationToken={continuationToken}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
------	----	----------	------	-------------

userId	path	True	string	The graph ID or user principal name (UPN) of the user
continuationToken	query		string	Token required to get the next chunk of the result set

Responses

[+] Expand table

Name	Type	Description
200 OK	Subscriptions ByUser Response	OK

Examples

Example

Sample request

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/admin/users/f089354e-8366-4e18-aea3-4cb4a3a50b48/subscriptions</code>

Sample response

Status code: 200

JSON
<pre>{ "subscriptionEntities": [{ "id": "9225d0bc-9f5e-4819-a637-799c0c4fh3f1", "title": "Team Scorecard-test", "artifactId": "0b50f0bf-b22b-4685-83b9-b6d17f7f4e46", "artifactDisplayName": "Customer Profitability Sample", "subArtifactDisplayName": "Team Scorecard", "artifactType": "Report", "isEnabled": false, "frequency": "Daily", "startDate": "8/10/2021 12:00:00 AM", "lastRunTime": null }] }</pre>

```

        "endDate": "8/10/2022 12:00:00 AM",
        "linkToContent": false,
        "previewImage": true,
        "attachmentFormat": "PNG",
        "users": []
    }
],
"continuationUri":
"https://api.powerbi.com/v1.0/myorg/admin/users/f089354e-8366-4e18-aea3-4cb4a3a50b48/subscriptions?continuationToken='LDEsMTAwMDAwLDA%3D'",
"continuationToken": "LDEsMTAwMDAwLDA%3D"
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionsByUserResponse	OData response wrapper for a Power BI subscriptions for user
SubscriptionUser	A Power BI email subscription user

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription

subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionsByUserResponse

OData response wrapper for a Power BI subscriptions for user

[+] [Expand table](#)

Name	Type	Description
continuationToken	string	Token to get the next chunk of the result set
continuationUri	string	The URI for the next chunk in the result set
odata.context	string	
subscriptionEntities	Subscription[]	The subscriptions for user

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal

principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - WidelySharedArtifacts LinksSharedToWholeOrganization

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of Power BI reports that are shared with the whole organization through links.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/linksSharedTo
WholeOrganization`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/linksSharedTo
WholeOrganization?continuationToken={continuationToken}`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
continuationToken	query		string	Token required to get the next chunk of the result set

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	ArtifactAccessResponse	OK

Examples

Example

Sample request

HTTP
GET
<https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/linksSharedToWholeOrganization>

Sample response

Status code: 200

JSON

```
{
  "artifactAccessEntities": [
    {
      "artifactId": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",
      "displayName": "test report",
      "artifactType": "Report",
      "accessRight": "ReadWrite",
      "shareType": "Link",
      "sharer": {
        "displayName": "John Nick",
        "shareId": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87"
      }
    }
  ]
}
```

```

        "emailAddress": "john@contoso.com",
        "identifier": "john@contoso.com",
        "graphId": "3fadb6e4-130c-4a8f-aeac-416e38b66756",
        "principalType": "User"
    }
}
],
"continuationUri":
"https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/linksSharedT
oWholeOrganization?continuationToken='LDEsMTAwMDAwLDA%3D'",
"continuationToken": "LDEsMTAwMDAwLDA%3D"
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
ArtifactAccessEntry	A user access entry for a Power BI item
ArtifactAccessResponse	The OData response wrapper for a list of Power BI items (such as reports or dashboards) that a user can access
ArtifactType	The artifact type
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
User	A Power BI user

ArtifactAccessEntry

A user access entry for a Power BI item

[\[+\] Expand table](#)

Name	Type	Description
accessRight	string	The access right that the user has for the Power BI item
artifactId	string	The Power BI item ID
artifactType	ArtifactType	The type of Power BI item

displayName	string	The display name of the Power BI item
shareType	string	The type of how the access is given to the Power BI item. Only available for widely shared artifacts APIs.
sharer	User	The user who shared the Power BI item. Only available for widely shared artifacts APIs.

ArtifactAccessResponse

The OData response wrapper for a list of Power BI items (such as reports or dashboards) that a user can access

[Expand table](#)

Name	Type	Description
artifactAccessEntities	Artifact Access Entry[]	The list of Power BI items that a user can access
continuationToken	string	The token for the next chunk in the result set
continuationUri	string	The URI of the next chunk in the result set
odata.context	string	

ArtifactType

The artifact type

[Expand table](#)

Name	Type	Description
App	string	Power BI Apps
Capacity	string	Capacity object
Dashboard	string	Power BI Dashboard
Dataflow	string	Power BI Dataflow
Dataset	string	Power BI Dataset
Group	string	V1 shared workspace object

PaginatedReport	string	Power BI Paginated Report
PersonalGroup	string	My workspace object
Report	string	Power BI Report
Workspace	string	Shared workspace object

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

User

A Power BI user

[\[+\] Expand table](#)

Name	Type	Description

displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - WidelySharedArtifacts PublishedToWeb

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of Power BI items (such as reports or dashboards) that are published to the web.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.
Delegated permissions are supported.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Limitations

Maximum 200 requests per hour.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/publishedTowe
b`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/publishedTowe
b?continuationToken={continuationToken}`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
continuationToken	query		string	Token required to get the next chunk of the result set

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	ArtifactAccessResponse	OK

Examples

Example

Sample request

HTTP
GET https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/publishedToWeb

Sample response

Status code: 200

JSON
{ "artifactAccessEntities": [{ "artifactId": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87", "displayName": "test report", "artifactType": "Report", "accessRight": "None", "shareType": "PublishToWeb", "sharer": { "displayName": "John Nick", "id": "41ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87" } }] }

```

        "emailAddress": "john@contoso.com",
        "identifier": "john@contoso.com",
        "graphId": "3fadb6e4-130c-4a8f-aeac-416e38b66756",
        "principalType": "User"
    }
}
],
"continuationUri":
"https://api.powerbi.com/v1.0/myorg/admin/widelySharedArtifacts/linksSharedT
oWholeOrganization?continuationToken='LDEsMTAwMDAwLDA%3D'",
"continuationToken": "LDEsMTAwMDAwLDA%3D"
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
ArtifactAccessEntry	A user access entry for a Power BI item
ArtifactAccessResponse	The OData response wrapper for a list of Power BI items (such as reports or dashboards) that a user can access
ArtifactType	The artifact type
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
User	A Power BI user

ArtifactAccessEntry

A user access entry for a Power BI item

[\[+\] Expand table](#)

Name	Type	Description
accessRight	string	The access right that the user has for the Power BI item
artifactId	string	The Power BI item ID
artifactType	ArtifactType	The type of Power BI item

displayName	string	The display name of the Power BI item
shareType	string	The type of how the access is given to the Power BI item. Only available for widely shared artifacts APIs.
sharer	User	The user who shared the Power BI item. Only available for widely shared artifacts APIs.

ArtifactAccessResponse

The OData response wrapper for a list of Power BI items (such as reports or dashboards) that a user can access

[Expand table](#)

Name	Type	Description
artifactAccessEntities	Artifact Access Entry[]	The list of Power BI items that a user can access
continuationToken	string	The token for the next chunk in the result set
continuationUri	string	The URI of the next chunk in the result set
odata.context	string	

ArtifactType

The artifact type

[Expand table](#)

Name	Type	Description
App	string	Power BI Apps
Capacity	string	Capacity object
Dashboard	string	Power BI Dashboard
Dataflow	string	Power BI Dataflow
Dataset	string	Power BI Dataset
Group	string	V1 shared workspace object

PaginatedReport	string	Power BI Paginated Report
PersonalGroup	string	My workspace object
Report	string	Power BI Report
Workspace	string	Shared workspace object

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

User

A Power BI user

[\[+\] Expand table](#)

Name	Type	Description

displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Admin - WorkspaceInfo GetModifiedWorkspaces

Reference

Service: Power BI REST APIs

API Version: v1.0

Gets a list of workspace IDs in the organization.

If the optional `modifiedSince` parameter is set to a date-time, only the IDs of workspaces that changed after that date-time are returned. If the `modifiedSince` parameter isn't used, the IDs of all workspaces in the organization are returned. The date-time specified by the `modifiedSince` parameter must be in the range of 30 minutes (to allow workspace changes to take effect) to 30 days prior to the current time.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

When running under service principal authentication, an app **must not** have any admin-consent required permissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 30 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/workspaces/modified
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/workspaces/modified?  
modifiedSince={modifiedSince}&excludePersonalWorkspaces=  
{excludePersonalWorkspaces}&excludeInActiveWorkspaces=  
{excludeInActiveWorkspaces}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
excludeInActiveWorkspaces	query		boolean	Whether to exclude inactive workspaces
excludePersonalWorkspaces	query		boolean	Whether to exclude personal workspaces
modifiedSince	query		string date-time	Last modified date (must be in ISO 8601 compliant UTC format)

Responses

[+] Expand table

Name	Type	Description
200 OK	Modified Workspace[]	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/workspaces/modified?  
modifiedSince=2020-10-
```

02T05:51:30.000000Z&excludePersonalWorkspaces=True&excludeInActiveWorkspace
s=True

Sample response

Status code: 200

JSON

```
[  
  {  
    "id": "3740504d-1f93-42f9-8e9d-c8ba9b787a3b"  
  },  
  {  
    "id": "19cb346c-9839-4e19-81e6-76364d0b836f"  
  }  
]
```

Definitions

ModifiedWorkspace

A modified workspace

 Expand table

Name	Type	Description
id	string	The workspace object ID

Admin - WorkspaceInfo GetScanResult

Reference

Service: Power BI REST APIs

API Version: v1.0

Gets the scan result for the specified scan.

Only make this API call after a successful [GetScanStatus](#) API call. The scan result will remain available for 24 hours.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

When running under service principal authentication, an app **must not** have any admin-consent required permissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 500 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/workspaces/scanResult/{scanId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
------	----	----------	------	-------------

scanId	path	True	string	The scan ID, which is included in the response from the workspaces or the Admin - WorkspaceInfo PostWorkspaceInfo API call that triggered the scan.
---------------	------	------	--------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Workspace Info Response	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/workspaces/scanResult/e7d03602-4873-4760-b37e-1563ef5358e3
```

Sample response

Status code: 200

JSON

```
{
  "workspaces": [
    {
      "id": "d507422c-8d6d-4361-ac7a-30074a8cd0a1",
      "name": "V2 shared",
      "type": "Workspace",
      "state": "Active",
      "isOnDedicatedCapacity": true,
      "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2",
      "defaultDatasetStorageFormat": "Small",
      "reports": [
        {
          "id": "c6d072d1-ed20-4b60-8329-16c4b934203b",
          "name": "CompositeModelParams-RLS"
        }
      ]
    }
  ]
}
```

```
"datasetId": "132593c4-bf8d-4548-8f25-1ebb16a1613c",
"createdDateTime": "2020-06-16T08:22:49.14",
"modifiedDateTime": "2020-06-16T08:22:49.14",
"modifiedBy": "john@contoso.com",
"reportType": "PaginatedReport",
"endorsementDetails": {
    "endorsement": "Certified",
    "certifiedBy": "john@contoso.com"
},
"sensitivityLabel": {
    "labelId": "85b38049-4259-43a2-8feb-244e222d96c0"
},
"users": [
    {
        "displayName": "John Nick",
        "emailAddress": "john@contoso.com",
        "appUserAccessRight": "ReadExplore",
        "identifier": "john@contoso.com",
        "graphId": "3fadbe4-130c-4a8f-aeac-416e38b66756",
        "principalType": "User"
    }
]
},
"dashboards": [
{
    "id": "80814ece-9302-49e3-b6bc-bad2f7a86c1a",
    "displayName": "CompositeModelParamsDashboard",
    "isReadOnly": false,
    "tiles": [
        {
            "id": "e687cc21-5b32-48f5-8c5e-4b844f190579",
            "title": "CompositeModelParamsDashboard",
            "reportId": "c6d072d1-ed20-4b60-8329-16c4b934203b",
            "datasetId": "132593c4-bf8d-4548-8f25-1ebb16a1613c"
        }
    ],
    "sensitivityLabel": {
        "labelId": "d9b9581a-0594-4c39-81c5-91ddf40baeda"
    },
    "users": [
        {
            "displayName": "John Nick",
            "emailAddress": "john@contoso.com",
            "appUserAccessRight": "ReadExplore",
            "identifier": "john@contoso.com",
            "graphId": "3fadbe4-130c-4a8f-aeac-416e38b66756",
            "principalType": "User"
        }
    ]
}
],
"datasets": [
{
    "id": "e7e8a355-e77b-4418-a7b8-ae5972fdाaa03",

```

```

    "name": "ExportB",
    "tables": [
        {
            "name": "DW_Revenues",
            "columns": [
                {
                    "name": "RowNumber-2662979B-1795-4F74-8F37-6A1BA8059B61",
                    "dataType": "Int64",
                    "isHidden": true
                }
            ],
            "measures": [
                {
                    "name": "MyMeasure",
                    "expression": "CALCULATE(SELECTEDVALUE('DW_Revenues
DW_RevenuesTestToDelete'[Numbers])*10)",
                    "description": "My measure",
                    "isHidden": false
                }
            ],
            "isHidden": false,
            "description": "My table",
            "source": [
                {
                    "expression": "let\n    Source = Revenues,\n    Param =
RevenuesParam\nin\n    Source"
                }
            ]
        }
    ],
    "relationships": [],
    "configuredBy": "john@contoso.com",
    "targetStorageMode": "Abf",
    "endorsementDetails": {
        "endorsement": "Certified",
        "certifiedBy": "john@contoso.com"
    },
    "expressions": [
        {
            "name": "Revenues",
            "description": "revenues",
            "expression": "let\n    Source =
Sql.Database(\"sqlserver.database.windows.net\", \"DB\"),\n    RevenuesTable
= Source{[Schema=\"DB_SCHEMA\",Item=\"DB_SCHEMA_ITEM\"]}[Data]\n    in\n    RevenuesTable"
        },
        {
            "name": "RevenuesParam",
            "description": "revenues param",
            "expression": "\"revenues param value\" meta
[IsParameterQuery=true, Type=\"Text\", IsParameterQueryRequired=true]"
        }
    ],
    "roles": [
        {

```

```
"name": "Teams",
"modelPermission": "Read",
"members": [
  {
    "memberName": "john@contoso.com",
    "memberId": "ee96296b-fb71-4f65-a8af-c0ec5a7daced",
    "memberType": "User",
    "identityProvider": "AzureAD"
  },
  {
    "memberName": "group@contoso.com",
    "memberId": "0a1cdcbc3-f82c-4001-8b96-be04ae9d25a3",
    "memberType": "Group",
    "identityProvider": "AzureAD"
  }
],
"tablePermissions": [
  {
    "name": "DW_Revenues DW_RevenuesTest",
    "filterExpression": "[InTeams] = \"True\""
  }
]
},
"upstreamDataflows": [
  {
    "targetDataflowId": "a842dbb1-32ca-46b0-9648-498b2c2d5e38",
    "groupId": "b7416115-7421-42c0-b525-1505ce40d2f0"
  },
  {
    "targetDataflowId": "06898194-2eaf-4122-bacc-133db1f8585d",
    "groupId": "7263838d-80d7-4b8d-a1f6-50fc27e74a97"
  }
],
"datasourceUsages": [
  {
    "datasourceInstanceId": "c79ad907-df19-43fe-a0f7-d9f365d67070"
  }
],
"misconfiguredDatasourceUsages": [
  {
    "datasourceInstanceId": "80ec28bc-fe81-43ea-be52-a07a95cfbcab"
  }
],
"sensitivityLabel": {
  "labelId": "bf3dc57d-d796-41c0-bbe9-a47f5ee3331e"
},
"users": [
  {
    "displayName": "John Nick",
    "emailAddress": "john@contoso.com",
    "appUserAccessRight": "ReadExplore",
    "identifier": "john@contoso.com",
    "graphId": "3fabdb6e4-130c-4a8f-aeac-416e38b66756",
    "principalType": "User"
  }
]
```

```
        }
    ]
},
],
"dataflows": [
{
    "objectId": "a842dbb1-32ca-46b0-9648-498b2c2d5e38",
    "name": "Azure SQL",
    "description": "Azure SQL dataflow",
    "configuredBy": "john@contoso.com",
    "modifiedBy": "john@contoso.com",
    "modifiedDateTime": "2020-06-16T08:27:47.783Z",
    "endorsementDetails": {
        "endorsement": "Certified",
        "certifiedBy": "john@contoso.com"
    },
    "datasourceUsages": [
        {
            "datasourceInstanceId": "c79ad907-df19-43fe-a0f7-d9f365d67070"
        }
    ],
    "misconfiguredDatasourceUsages": [
        {
            "datasourceInstanceId": "80ec28bc-fe81-43ea-be52-a07a95cfbcab"
        }
    ],
    "sensitivityLabel": {
        "labelId": "5c9f8c24-2a94-4fd2-a105-9a8b096c5af1"
    },
    "users": [
        {
            "displayName": "John Nick",
            "emailAddress": "john@contoso.com",
            "appUserAccessRight": "ReadExplore",
            "identifier": "john@contoso.com",
            "graphId": "3fadbe4-130c-4a8f-aeac-416e38b66756",
            "principalType": "User"
        }
    ]
}
],
"datamarts": [
{
    "id": "9df8d63c-db5b-44c3-a8e3-9f8c8ec1eec2",
    "name": "MyDatamart",
    "description": "SQL datamart",
    "type": "Sql",
    "configuredBy": "john@contoso.com",
    "configuredById": "5c9f8c24-2a94-4fd2-a105-9a8b096cdsew",
    "modifiedBy": "john@contoso.com",
    "modifiedDateTime": "2020-06-16T08:27:47.783Z",
    "sensitivityLabel": {
        "labelId": "5c9f8c24-2a94-4fd2-a105-9a8b096c5af1"
    },
    "endorsementDetails": {
```

```
        "endorsement": "Certified",
        "certifiedBy": "john@contoso.com"
    },
    "UpstreamDataflows": [
        {
            "targetDataflowId": "5c9f8c24-2a94-34fd-a105-9a8b096c4555",
            "groupId": "5c9f8c24-4dsc-4fd2-a105-9a8b096c4fgt"
        }
    ],
    "datasourceUsages": [
        {
            "datasourceInstanceId": "c79ad907-df19-43fe-a0f7-d9f365d67070"
        }
    ],
    "Users": [
        {
            "displayName": "John Nick",
            "emailAddress": "john@contoso.com",
            "identifier": "john@contoso.com",
            "graphId": "3fad6e4-130c-4a8f-aeac-416e38b66756",
            "principalType": "User",
            "userType": "User",
            "profile": {
                "id": "45416453",
                "displayName": "John's profile"
            },
            "datamartUserAccessRight": "Read"
        }
    ]
},
{
    "users": [
        {
            "displayName": "John Nick",
            "emailAddress": "john@contoso.com",
            "appUserAccessRight": "ReadExplore",
            "identifier": "john@contoso.com",
            "graphId": "3fad6e4-130c-4a8f-aeac-416e38b66756",
            "principalType": "User"
        }
    ]
}
],
"datasourceInstances": [
{
    "datasourceType": "Sql",
    "connectionDetails": {
        "server": "qlserver.database.windows.net",
        "database": "dbo.largest_table"
    },
    "datasourceId": "c79ad907-df19-43fe-a0f7-d9f365d67070",
    "gatewayId": "e820592e-f8cf-4a6f-b1ed-566799d29565"
}
],
"misconfiguredDatasourceInstances": [
```

```
{
  "datasourceType": "Sql",
  "connectionDetails": {
    "server": "sqlserver.database.windows.net",
    "database": "dbo.table"
  },
  "datasourceId": "80ec28bc-fe81-43ea-be52-a07a95cfbcab",
  "gatewayId": "505a19c1-4190-4e8e-a4f6-dd72722feced"
}
]
```

Definitions

[\[+\] Expand table](#)

Name	Description
ASMashup Expression	A dataset table source
Column	A dataset column
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
DataflowUser	A Power BI user access right entry for a dataflow
DataflowUser AccessRight	The access right that a user has for the dataflow (permission level)
datamartState	The datamart current state
datamartStatus	The datamart status
datamartType	The datamart type
DatamartUser	A Power BI user access right entry for a report
DatamartUser AccessRight	The access right that the user has for the datamart (permission level)
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Datasource	A Power BI data source

Datasource Connection Details	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
Datasource Usage	Data source usage
DefaultDataset StorageFormat	The default dataset storage format in the group
Dependent Dataflow	A Power BI dependent dataflow
Dependent Datamart	A Power BI dependent datamart
Dependent Dataset	A Power BI dependent dataset
Endorsement Details	Power BI endorsement details
Expression	A dataset expression
GroupUser	A Power BI user with access to the workspace
GroupUser AccessRight	The access right (permission level) that a user has on the workspace
Measure	A Power BI measure
PrincipalType	The principal type
ReportUser	A Power BI user access right entry for a report
ReportUser AccessRight	The access right that the user has for the report (permission level)
Role	A role in a dataset's RLS configuration
RoleMember	A role member
RoleTable Permission	A role filter
Row	A data row in a dataset
SensitivityLabel	Sensitivity label info for a Power BI item (such as a report or a dashboard)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Table	A dataset table

WorkspacelInfo	Workspace info details
WorkspacelInfo Dashboard	A Power BI dashboard returned by WorkspacelInfo APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
WorkspacelInfo Dataflow	The metadata of a dataflow returned by Workspace Info APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.
WorkspacelInfo Datamart	A Power BI datamart returned by Workspace Info APIs. The API returns a subset of the following list of datamart properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
WorkspacelInfo Dataset	A Power BI dataset returned by WorkspacelInfo APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
WorkspacelInfo Report	A Power BI report returned by Workspace Info APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
WorkspacelInfo Response	Workspace info response
WorkspacelInfo Tile	A Power BI tile returned by WorkspacelInfo APIs

AS Mashup Expression

A dataset table source

[\[\] Expand table](#)

Name	Type	Description
expression	string	The source expression

Column

A dataset column

[\[+\] Expand table](#)

Name	Type	Description
dataCategory	string	Optional. The string value to be used for the data category which describes the data within this column.
dataType	string	The column data type
formatString	string	Optional. The format of the column as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the column is hidden. The default is <code>false</code> .
name	string	The column name
sortByColumn	string	Optional. String name of a column in the same table to be used to order the current column.
summarizeBy	string	Optional. The aggregate function to use for summarizing this column.

DashboardUser

A Power BI user access right entry for a dashboard

[\[+\] Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

userType	string	Type of the user.
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DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

DataflowUser

A Power BI user access right entry for a dataflow

[\[+\] Expand table](#)

Name	Type	Description
DataflowUserAccessRight	Dataflow UserAccess Right	The access right that a user has for the dataflow (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type

profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow
Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

datamartState

The datamart current state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The datamart is active
Deleted	string	The datamart was deleted
Evicted	string	The datamart was evicted
Initialized	string	The datamart was initialized
Invalid	string	The datamart has invalid state
Migrating	string	The datamart is migrating

datamartStatus

The datamart status

[\[+\] Expand table](#)

Name	Type	Description
Available	string	The datamart is available
Error	string	The datamart has error status
InProgress	string	The datamart is in progress
Invalid	string	The datamart has invalid status
NoCapacity	string	The datamart has no capacity
OutOfRegion	string	The datamart is out of region
SuspendedInCriticalPhase	string	The datamart is suspended in critical phase

datamartType

The datamart type

[\[+\] Expand table](#)

Name	Type	Description
Dataverse	string	The datamart is of Dataverse type
Datawarehouse	string	The datamart is of Datawarehouse type
Ignore	string	The datamart has no type
Lakehouse	string	The datamart is of Lakehouse type
Sql	string	The datamart is of Sql type
Unset	string	The datamart type was unset

DatamartUser

A Power BI user access right entry for a report

[\[+\] Expand table](#)

Name	Type	Description

datamartUserAccessRight	Datamart UserAccess Right	The access right that the user has for the datamart (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatamartUserAccessRight

The access right that the user has for the datamart (permission level)

[\[+\] Expand table](#)

Name	Type	Description
Explore	string	Grants explore access to content in datamart
None	string	No permission to content in datamart
Read	string	Grants Read access to content in datamart
ReadExplore	string	Grants read and explore access to content in datamart
ReadReshare	string	Grants read and reshare access to content in datamart
ReadReshareExplore	string	Grants read and reshare and explore access to content in datamart
ReadWrite	string	Grants read and write access to content in datamart
ReadWriteExplore	string	Grants read and write and explore access to content in datamart
ReadWriteReshare	string	Grants read and write and reshare access to content in datamart

ReadWriteReshareExplore	string	Grants read and write and reshare and explore access to content in datamart
Reshare	string	Grants reshare access to content in datamart
Write	string	Grants write access to content in datamart

DatasetUser

A Power BI user access right entry for a dataset

[\[+\] Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset

ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

Datasource

A Power BI data source

[Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[+] Expand table

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

DatasourceUsage

Data source usage

[+] Expand table

Name	Type	Description
datasourceinstanceid	string	The data source instance ID

DefaultDatasetStorageFormat

The default dataset storage format in the group

[+] Expand table

Name	Type	Description

Large	string	Large dataset storage format
Small	string	Small dataset storage format

DependentDataflow

A Power BI dependent dataflow

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

DependentDatamart

A Power BI dependent datamart

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDatamartId	string	The target datamart ID

DependentDataset

A Power BI dependent dataset

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDatasetId	string	The target dataset ID

EndorsementDetails

Power BI endorsement details

[\[+\] Expand table](#)

Name	Type	Description
certifiedBy	string	The user that certified the Power BI item (such as a report or a dashboard)
endorsement	string	The endorsement status

Expression

A dataset expression

[\[+\] Expand table](#)

Name	Type	Description
description	string	The expression description
expression	string	The expression value
name	string	The expression name

GroupUser

A Power BI user with access to the workspace

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUser AccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type

profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

Measure

A Power BI measure

[\[+\] Expand table](#)

Name	Type	Description
description	string	Optional. The measure description.
expression	string	A valid DAX expression
formatString	string	Optional. A string describing how the value should be formatted when it's displayed as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the measure is hidden.
name	string	The measure name

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[\[\] Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

Role

A role in a dataset's RLS configuration

[\[\] Expand table](#)

Name	Type	Description
members	Role Member	An array listing the members of the role
modelPermission	string	The permissions that the role has on the dataset. For example, Read
name	string	The name of the role
tablePermissions	RoleTable Permission	An array that lists all the filters defined for the role

RoleMember

A role member

[\[\] Expand table](#)

Name	Type	Description
identityProvider	string	The role member identity provider
memberId	string	The role member GUID as assigned by the identity provider
memberName	string	The name of the role member

memberType	string	The role member type (user or group)
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RoleTablePermission

A role filter

[+] [Expand table](#)

Name	Type	Description
filterExpression	string	The expression that filters the table specified in the filter
name	string	The name of the table specified in the filter

Row

A data row in a dataset

[+] [Expand table](#)

Name	Type	Description
id	string	The unique row ID

SensitivityLabel

Sensitivity label info for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
labelId	string	The sensitivity label ID

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
------	------	-------------

displayName	string	The service principal profile name
id	string	The service principal profile ID

Table

A dataset table

[] Expand table

Name	Type	Description
columns	Column[]	The column schema for this table
description	string	The table description
isHidden	boolean	Optional. Whether this dataset table is hidden.
measures	Measure[]	The measures within this table
name	string	The table name
rows	Row[]	The data rows within this table
source	AS Mashup Expression[]	The table source

WorkspaceInfo

Workspace info details

[] Expand table

Name	Type	Description
capacityId	string	The workspace capacity ID
dashboards	Workspace Info Dashboard[]	The dashboards associated with this workspace. The list of dashboard properties returned varies for different API calls, so you might not see all dashboard properties in an API response.
dataRetrievalState	string	The workspace data retrieval state
dataflows	Workspace Info Dataflow[]	The dataflows associated with this workspace. The list of dataflow properties returned varies for

		different API calls, so you might not see all dataflow properties in an API response.
datamarts	Workspace Info Datamart[]	The datamarts associated with this workspace. The list of datamart properties returned varies for different API calls, so you might not see all datamart properties in an API response.
datasets	Workspace Info Dataset[]	The datasets associated with this workspace. The list of dataset properties returned varies for different API calls, so you might not see all dataset properties in an API response.
defaultDatasetStorageFormat	Default Dataset Storage Format	The default dataset storage format in the workspace. Returned only when <code>isOnDedicatedCapacity</code> is <code>true</code>
description	string	The workspace description
id	string	The workspace object ID
isOnDedicatedCapacity	boolean	Whether the workspace is assigned to a dedicated capacity
name	string	The workspace name
reports	Workspace InfoReport[]	The reports associated with this workspace. The list of report properties returned varies for different API calls, so you might not see all report properties in an API response.
state	string	The workspace state
type	string	The workspace type
users	GroupUser[]	The users with access to the workspace. The list is returned only when explicitly requested. To retrieve a list of users for a classic workspace, use the Azure Active Directory Graph API.

WorkspacelInfoDashboard

A Power BI dashboard returned by WorkspacelInfo APIs. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[] [Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
dataClassification	string	The data classification tag of a Power BI item (such as a report or a dashboard)
displayName	string	The display name of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
sensitivityLabel	Sensitivity Label	The sensitivity label
tiles	Workspace InfoTile[]	The tiles that belong to the dashboard
users	Dashboard User[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.

WorkspaceInfoDataflow

The metadata of a dataflow returned by Workspace Info APIs. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
configuredBy	string	The dataflow owner
datasourceUsages	Datasource Usage[]	The data source usages
description	string	The dataflow description
endorsementDetails	Endorsement Details	The endorsement details
misconfiguredDatasourceUsages	Datasource Usage[]	The data source misconfigured usages

modelUrl	string	A URL to the dataflow definition file (model.json)
modifiedBy	string	The user that modified the dataflow
modifiedDateTime	string	The date and time that the dataflow was last modified
name	string	The dataflow name
objectId	string	The dataflow ID
sensitivityLabel	Sensitivity Label	The sensitivity label
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
upstreamDatamarts	Dependent Datamart[]	The list of all the datamarts this item depends on
users	Dataflow User[]	(Empty value) The dataflow user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dataflow by using the Get Dataflow Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUser</code> parameter.

WorkspaceInfoDatamart

A Power BI datamart returned by Workspace Info APIs. The API returns a subset of the following list of datamart properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] Expand table

Name	Type	Description
configuredBy	string	The name of the datamart owner
configuredById	string	The ID of the datamart owner
datasourceUsages	Datasource Usage[]	The data source usages
description	string	The datamart description

endorsementDetails	Endorsement Details	The datamart endorsement details
id	string	The datamart ID
modifiedBy	string	The last user that modified the datamart
modifiedById	string	The ID of the last user that modified the datamart
modifiedDateTime	string	The date and time that the datamart was last modified
name	string	The datamart name
sensitivityLabel	Sensitivity Label	The datamart sensitivity label
state	datamart State	The datamart current state
status	datamart Status	The datamart status
suspendedBatchId	string	datamart suspended batch id
type	datamart Type	The datamart type
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
upstreamDatamarts	Dependent Datamart[]	The list of all the datamarts this item depends on
users	Datamart User[]	The user access details for a Power BI datamart.

WorkspacelInfoDataset

A Power BI dataset returned by WorkspacelInfo APIs. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreatedDate	string	The dataset creation date and time

configuredBy	string	The dataset owner
datasourceUsages	Datasource Usage[]	The data source usages
description	string	The dataset description
endorsementDetails	Endorsement Details	The endorsement details
expressions	Expression[]	The dataset expressions
id	string	The dataset ID
misconfiguredDatasourceUsages	Datasource Usage[]	The data source misconfigured usages
name	string	The dataset name
roles	Role[]	The dataset roles
schemaMayNotBeUpToDate	boolean	Whether the dataset schema might not be up to date
schemaRetrievalError	string	The dataset schema retrieval error
sensitivityLabel	Sensitivity Label	The sensitivity label
tables	Table[]	The dataset tables
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
upstreamDatamarts	Dependent Datamart[]	The list of all the datamarts this item depends on
upstreamDatasets	Dependent Dataset[]	The upstream datasets
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.

WorkspaceInfoReport

A Power BI report returned by Workspace Info APIs. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
createdBy	string	The report owner. Available only for reports created after June 2019.
createdById	string	The ID of the report owner. Available only for reports created after June 2019.
createdDateTime	string	The report creation date and time
datasetId	string	The dataset ID of the report
datasetWorkspaceId	string	The workspace ID of the related dataset, returned only if the related dataset belongs to a different workspace
description	string	The report description
endorsementDetails	Endorsement Details	The endorsement details
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
modifiedBy	string	The last user that modified the report
modifiedById	string	The ID of the last user that modified the report
modifiedDateTime	string	The date and time that the report was last modified
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type

sensitivityLabel	Sensitivity Label	The sensitivity label
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.

WorkspaceInfoResponse

Workspace info response

[+] [Expand table](#)

Name	Type	Description
datasourceInstances	Datasource[]	The data source instances associated with this scan
misconfiguredDatasourceInstances	Datasource[]	The data source misconfigured instances associated with this scan
workspaces	Workspace Info[]	The workspace info associated with this scan

WorkspaceInfoTile

A Power BI tile returned by WorkspaceInfo APIs

[+] [Expand table](#)

Name	Type	Description
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
datasetWorkspaceId	string	The workspace ID of the related dataset, returned only if the related dataset belongs to a different workspace
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
title	string	The display name of the tile

Admin - WorkspaceInfo GetScanStatus

Reference

Service: Power BI REST APIs

API Version: v1.0

Gets the scan status for the specified scan.

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

When running under service principal authentication, an app **must not** have any admin-consent required permissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 10,000 requests per hour.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/workspaces/scanStatus/{scanId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
scanId	path	True	string uuid	The scan ID, which is included in the response from the workspaces or the Admin - WorkspaceInfo PostWorkspaceInfo API call that triggered the scan.

Responses

[+] Expand table

Name	Type	Description
200 OK	Scan Request	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/admin/workspaces/scanStatus/e7d03602-4873-4760-b37e-1563ef5358e3
```

Sample response

Status code: 200

JSON

```
{
  "id": "e7d03602-4873-4760-b37e-1563ef5358e3",
  "createdDateTime": "2020-06-15T16:46:28.048Z",
  "status": "Succeeded"
}
```

Definitions

[+] Expand table

Name	Description
PowerBIErrorResponseDetail	Detailed information about a Power BI error response
ScanRequest	A scan request

PowerBIApiErrorResponseDetail

Detailed information about a Power BI error response

[Expand table](#)

Name	Type	Description
code	string	The error code
message	string	The error message
target	string	The error target

ScanRequest

A scan request

[Expand table](#)

Name	Type	Description
createdDateTime	string	The scan creation date and time
error	PowerBIApi Error Response Detail	The scan error (if any)
id	string	The scan ID
status	string	The scan state

Admin - WorkspacesInfo

PostWorkspacesInfo

Reference

Service: Power BI REST APIs

API Version: v1.0

Initiates a call to receive metadata for the requested list of workspaces.

ⓘ Important

If you set the `datasetSchema` or `datasetExpressions` parameters to `true`, you must fully enable metadata scanning in order for data to be returned. For more information, see [Enable tenant settings for metadata scanning](#).

Permissions

The user must be a Fabric administrator or authenticate using a service principal.

When running under service principal authentication, an app **must not** have any admin-consent required permissions for Power BI set on it in the Azure portal.

Required Scope

Tenant.Read.All or Tenant.ReadWrite.All

Relevant only when authenticating via a standard delegated admin access token. Must not be present when authentication via a service principal is used.

Limitations

Maximum 500 requests per hour.

Maximum 16 simultaneous requests.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/workspaces/getInfo
```

With optional parameters:

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/workspaces/getInfo?lineage={lineage}&datasourceDetails={datasourceDetails}&datasetSchema={datasetSchema}&datasetExpressions={datasetExpressions}&getArtifactUsers={getArtifactUsers}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dataset Expressions	query		boolean	Whether to return dataset expressions (DAX and Mashup queries). If you set this parameter to <code>true</code> , you must fully enable metadata scanning in order for data to be returned. For more information, see Enable tenant settings for metadata scanning .
dataset Schema	query		boolean	Whether to return dataset schema (tables, columns and measures). If you set this parameter to <code>true</code> , you must fully enable metadata scanning in order for data to be returned. For more information, see Enable tenant settings for metadata scanning .
datasource Details	query		boolean	Whether to return data source details
getArtifact Users	query		boolean	Whether to return user details for a Power BI item (such as a report or a dashboard)
lineage	query		boolean	Whether to return lineage info (upstream dataflows, tiles, data source IDs)

Request Body

[+] Expand table

Name	Type	Description
workspaces	string[]	The required workspace IDs to be scanned (supports 1 to 100 workspace

Responses

[Expand table](#)

Name	Type	Description
202 Accepted	Scan Request	Accepted

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/admin/workspaces/getInfo?
lineage=True&datasourceDetails=True&datasetSchema=True&datasetExpressions=True
```

Request Body

JSON

```
{
  "workspaces": [
    "97d03602-4873-4760-b37e-1563ef5358e3",
    "67b7e93a-3fb3-493c-9e41-2c5051008f24"
  ]
}
```

Sample response

Status code: 202

JSON

```
{
  "id": "e7d03602-4873-4760-b37e-1563ef5358e3",
  "createdDateTime": "2020-06-15T16:46:28.048Z",
```

```
        "status": "NotStarted"  
    }  

```

Definitions

[\[+\] Expand table](#)

Name	Description
PowerBIErrorResponseDetail	Detailed information about a Power BI error response
RequiredWorkspaces	A required workspaces request
ScanRequest	A scan request

PowerBIErrorResponseDetail

Detailed information about a Power BI error response

[\[+\] Expand table](#)

Name	Type	Description
code	string	The error code
message	string	The error message
target	string	The error target

RequiredWorkspaces

A required workspaces request

[\[+\] Expand table](#)

Name	Type	Description
workspaces	string[]	The required workspace IDs to be scanned (supports 1 to 100 workspace IDs)

ScanRequest

A scan request

[Expand table](#)

Name	Type	Description
createdDateTime	string	The scan creation date and time
error	PowerBI API Error Response Detail	The scan error (if any)
id	string	The scan ID
status	string	The scan state

Apps

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Get App	Returns the specified installed app.
Get Apps	Returns a list of installed apps.
Get Dashboard	Returns the specified dashboard from the specified app.
Get Dashboards	Returns a list of dashboards from the specified app.
Get Report	Returns the specified report from the specified app.
Get Reports	Returns a list of reports from the specified app.
Get Tile	Returns the specified tile within the specified dashboard from the specified app.
Get Tiles	Returns a list of tiles within the specified dashboard from the specified app.

Apps - Get App

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified installed app.

Required Scope

App.Read.All

Limitations

Service principal authentication isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/{appId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
appId	path	True	string uuid	The app ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	App	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/f089354e-8366-4e18-aea3-4cb4a3a50b48
```

Sample response

Status code: 200

JSON

```
{  
  "id": "f089354e-8366-4e18-aea3-4cb4a3a50b48",  
  "description": "The finance app",  
  "name": "Finance",  
  "publishedBy": "Bill",  
  "lastUpdate": "2019-01-13T09:46:53.094+02:00"  
}
```

Definitions

App

A Power BI installed app

[+] Expand table

Name	Type	Description
description	string	The app description
id	string	The app ID
lastUpdate	string	The date and time the app was last updated
name	string	The app name
publishedBy	string	The app publisher

Apps - Get Apps

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of installed apps.

Required Scope

App.Read.All

Limitations

Service principal authentication isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps
```

Responses

Expand table

Name	Type	Description
200 OK	Apps	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "f089354e-8366-4e18-aea3-4cb4a3a50b48",  
      "description": "The finance app",  
      "name": "Finance",  
      "publishedBy": "Bill",  
      "lastUpdate": "2019-01-13T09:46:53.094+02:00"  
    },  
    {  
      "id": "3d9b93c6-7b6d-4801-a491-1738910904fd",  
      "description": "The marketing app",  
      "name": "Marketing",  
      "publishedBy": "Ben",  
      "lastUpdate": "2018-11-13T09:46:53.094+02:00"  
    }  
  ]  
}
```

Definitions

[\[\] Expand table](#)

Name	Description
App	A Power BI installed app
Apps	The OData response wrapper for a list of Power BI installed apps

App

A Power BI installed app

[\[\] Expand table](#)

Name	Type	Description
description	string	The app description
id	string	The app ID

lastUpdate	string	The date and time the app was last updated
name	string	The app name
publishedBy	string	The app publisher

Apps

The OData response wrapper for a list of Power BI installed apps

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	App[]	The list of installed apps

Apps - Get Dashboard

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified dashboard from the specified app.

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Service principal authentication isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/{appId}/dashboards/{dashboardId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
appId	path	True	string uuid	The app ID
dashboardId	path	True	string uuid	The dashboard ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dashboard	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/3d9b93c6-7b6d-4801-a491-1738910904fd/dashboards/{dashboardId}
```

Sample response

Status code: 200

JSON

```
{  
  "appId": "3d9b93c6-7b6d-4801-a491-1738910904fd",  
  "id": "03dac094-2ff8-47e8-b2b9-dedbbc4d22ac",  
  "displayName": "SalesMarketing",  
  "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=335aee4b-7b38-48fd-9e2f-306c3fd67482&appId=3d9b93c6-7b6d-4801-a491-1738910904fd&config=eyJjbHVzdGVyVXJsIjoiaHR0cHM6Ly9XQUJJLVNPVRILUNFTlRSQwtVVMtcmVkaXJ1Y3QuYW5hbH1zaXMud2luZG93cy5uZXQifQ%3d%3d",  
  "isReadOnly": false  
}
```

Definitions

[] Expand table

Name	Description
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type

ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	Dashboard User[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard

DashboardUser

A Power BI user access right entry for a dashboard

[\[+\] Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription

id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	Subscription User[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

userType string

Type of the user.

Apps - Get Dashboards

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dashboards from the specified app.

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Service principal authentication isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/{appId}/dashboards
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
appId	path	True	string uuid	The app ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Dashboards	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/3d9b93c6-7b6d-4801-a491-1738910904fd/dashboards
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "appId": "3d9b93c6-7b6d-4801-a491-1738910904fd",
      "id": "03dac094-2ff8-47e8-b2b9-dedbbc4d22ac",
      "displayName": "SalesMarketing",
      "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=335aee4b-7b38-48fd-9e2f-306c3fd67482&appId=3d9b93c6-7b6d-4801-a491-1738910904fd&config=eyJjbHVzdGVyVXJsIjoiaHR0cHM6Ly9XQUJJLVNPVVRILUNFT1RSQUwtVVMtcmVkaXJlY3QuYW5hbHlzaXMud2luZG93cy5uZXQifQ%3d%3d",
      "isReadOnly": false
    }
  ]
}
```

Definitions

[Expand table](#)

Name	Description
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
Dashboards	The OData response wrapper for a Power BI dashboard collection
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)

PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	Dashboard User[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard

Dashboards

The OData response wrapper for a Power BI dashboard collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Dashboard[]	The dashboard collection

DashboardUser

A Power BI user access right entry for a dashboard

[\[+\] Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard

Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Apps - Get Report

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified report from the specified app.

Required Scope

Report.ReadWrite.All or Report.Read.All

Limitations

Service principal authentication isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/{appId}/reports/{reportId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
appId	path	True	string uuid	The app ID
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Report	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/3d9b93c6-7b6d-4801-a491-1738910904fd/reports/{reportId}
```

Sample response

Status code: 200

JSON

```
{  
    "appId": "3d9b93c6-7b6d-4801-a491-1738910904fd",  
    "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
    "id": "66b2570c-d9d3-40b2-83d9-1095c6700041",  
    "name": "SalesMarketing",  
    "webUrl": "https://app.powerbi.com/reports/66b2570c-d9d3-40b2-83d9-1095c6700041",  
    "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=66b2570c-d9d3-40b2-83d9-1095c6700041&appId=3d9b93c6-7b6d-4801-a491-1738910904fd&config=eyJjbHVzdGVyVXJsIjoiaHR0cHM6Ly9XQUJJLVNPVVRILUNFTlRSQUwtVVMTcmVkaXJlY3QuYW5hbHlzaXMud2luZG93cy5uZXQifQ"  
}
```

Definitions

[+] Expand table

Name	Description
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)

ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
Subscription User	A Power BI email subscription user

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report

originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] Expand table

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

reportUserAccessRight	ReportUserAccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description

artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] Expand table

Name	Type	Description

displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Apps - Get Reports

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of reports from the specified app.

Required Scope

Report.ReadWrite.All or Report.Read.All

Limitations

Service principal authentication isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/{appId}/reports
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
appId	path	True	string uuid	The app ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Reports	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/3d9b93c6-7b6d-4801-a491-1738910904fd/reports
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "appId": "3d9b93c6-7b6d-4801-a491-1738910904fd",  
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "id": "66b2570c-d9d3-40b2-83d9-1095c6700041",  
      "name": "SalesMarketing",  
      "webUrl": "https://app.powerbi.com/reports/66b2570c-d9d3-40b2-83d9-1095c6700041",  
      "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=66b2570c-d9d3-40b2-83d9-1095c6700041&appId=3d9b93c6-7b6d-4801-a491-1738910904fd&config=eyJjbHVzdGVyVXJsIjoiaHR0cHM6Ly9XQUJJLVNPVVRILUNFTlRSQwtVMtcmVkaXJ1Y3QuYW5hbH1zaXMud2luZG93cy5uZXQifQ"  
    }  
  ]  
}
```

Definitions

[] Expand table

Name	Description
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
Reports	The OData response wrapper for a Power BI report collection
ReportUser	A Power BI user access right entry for a report

ReportUser	The access right that the user has for the report (permission level)
AccessRight	
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
Subscription User	A Power BI email subscription user

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID

isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

Reports

The OData response wrapper for a Power BI report collection

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Report[]	The report collection

ReportUser

A Power BI user access right entry for a report

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call , the returned

value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the [Get Report Subscriptions As Admin](#) or [Get Dashboard Subscriptions As Admin](#) API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Apps - Get Tile

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified tile within the specified dashboard from the specified app.

Supported tiles include datasets and live tiles that contain an entire report page.

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Service principal authentication isn't supported.

HTTP
<code>GET</code>
<code>https://api.powerbi.com/v1.0/myorg/apps/{appId}/dashboards/{dashboardId}/tiles/{tileId}</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>appId</code>	path	True	string uuid	The app ID
<code>dashboardId</code>	path	True	string uuid	The dashboard ID
<code>tileId</code>	path	True	string uuid	The tile ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Tile	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/3d9b93c6-7b6d-4801-a491-1738910904fd/dashboards/{dashboardId}/tiles/{tileId}
```

Sample response

Status code: 200

JSON

```
{
  "id": "312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
  "title": "SalesMarketingTile",
  "embedUrl": "https://app.powerbi.com/embed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&tileId=312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48",
  "rowSpan": 0,
  "colSpan": 0,
  "reportId": "5b218778-e7a5-4d73-8187-f10824047715",
  "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
}
```

Definitions

Tile

A Power BI tile

[+] Expand table

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Apps - Get Tiles

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of tiles within the specified dashboard from the specified app.

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Service principal authentication isn't supported.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/apps/{appId}/dashboards/{dashboardId}/tiles`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
appId	path	True	string uuid	The app ID
dashboardId	path	True	string uuid	The dashboard ID

Responses

[+] Expand table

Name	Type	Description

200 OK

Tiles

OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/apps/3d9b93c6-7b6d-4801-a491-1738910904fd/dashboards/{dashboardId}/tiles
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
      "title": "SalesMarketingTile",
      "embedUrl": "https://app.powerbi.com/embed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&tileId=312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b&config=eyJjbHVzdGVyVXJsIjoiaHR0cHM6Ly9XQUJJLVNPVVRILUNFTlRSQUwtVVMTcmVkaXJlY3QuYW5hbHlzaXMud2luZG93cy5uZXQifQ%3d%3d",
      "rowSpan": 0,
      "colSpan": 0,
      "reportId": "5b218778-e7a5-4d73-8187-f10824047715",
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Tile	A Power BI tile

Tiles	The OData response wrapper for a Power BI tile collection
-----------------------	-----------------------------------------------------------

Tile

A Power BI tile

[\[\] Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Tiles

The OData response wrapper for a Power BI tile collection

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Tile[]	The tile collection

Available Features

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Get Available Feature By Name	Returns the specified available feature for the user by name.
Get Available Features	Returns a list of available features for the user.

Available Features - Get Available Feature By Name

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified available feature for the user by name.

This API call doesn't require any scopes.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/availableFeatures(featureName='{featureName}')`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
featureName	path	True	string	The feature name

Responses

[+] Expand table

Name	Type	Description
200 OK	Available Feature	OK

Examples

Example

Sample request

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/availableFeatures(featureName='embedTrial')`

Sample response

Status code: 200

JSON

```
{  
  "name": "embedTrial",  
  "state": "Enabled",  
  "extendedState": "Enabled",  
  "additionalInfo": {  
    "usage": 65  
  }  
}
```

Definitions

[+] Expand table

Name	Description
AdditionalFeatureInfo	Additional feature information
AvailableFeature	A Power BI available feature
FeatureExtendedState	The feature extended state
FeatureState	The feature state

AdditionalFeatureInfo

Additional feature information

[\[\] Expand table](#)

Name	Type	Description
Usage	integer	Workspaces that aren't assigned to a capacity get a limited amount of embed tokens , to allow experimenting with the APIs. The <code>Usage</code> value represents the percentage of embed tokens that have been consumed. The <code>Usage</code> value only applies to the embed trial feature . For more information, see Development testing .

AvailableFeature

A Power BI available feature

[\[\] Expand table](#)

Name	Type	Description
additionalInfo	Additional FeatureInfo	Additional feature information
extendedState	Feature Extended State	The feature extended state
name	string	The feature name
state	FeatureState	The feature state

FeatureExtendedState

The feature extended state

[\[\] Expand table](#)

Name	Type	Description
DisabledByAdmin	string	
Enabled	string	
UserNotLicensed	string	

FeatureState

The feature state

[\[\]](#) Expand table

Name	Type	Description
Disabled	string	
Enabled	string	

Available Features - Get Available Features

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of available features for the user.

This API call doesn't require any scopes.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/availableFeatures
```

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	Available Features	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/availableFeatures
```

Sample response

Status code: 200

JSON
{ "features": [{ "name": "embedTrial", "state": "Enabled", "extendedState": "Enabled", "additionalInfo": { "usage": 65 } }] }

Definitions

[+] Expand table

Name	Description
AdditionalFeatureInfo	Additional feature information
AvailableFeature	A Power BI available feature
AvailableFeatures	OData response wrapper for a Power BI available features list
FeatureExtendedState	The feature extended state
FeatureState	The feature state

AdditionalFeatureInfo

Additional feature information

[+] Expand table

Name	Type	Description
Usage	integer	Workspaces that aren't assigned to a capacity get a limited amount of embed tokens , to allow experimenting with the APIs. The <code>Usage</code> value represents the percentage of embed tokens that have been

consumed. The `Usage` value only applies to the **embed trial** feature.
For more information, see [Development testing](#).

AvailableFeature

A Power BI available feature

[+] [Expand table](#)

Name	Type	Description
additionalInfo	Additional FeatureInfo	Additional feature information
extendedState	Feature Extended State	The feature extended state
name	string	The feature name
state	FeatureState	The feature state

AvailableFeatures

OData response wrapper for a Power BI available features list

[+] [Expand table](#)

Name	Type	Description
features	Available Feature[]	The available features list
odata.context	string	

FeatureExtendedState

The feature extended state

[+] [Expand table](#)

Name	Type	Description
DisabledByAdmin	string	

Enabled	string
UserNotLicensed	string

FeatureState

The feature state

[\[\] Expand table](#)

Name	Type	Description
Disabled	string	
Enabled	string	

Capacities

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Get Capacities	Returns a list of capacities that the user has access to.
Get Refreshable For Capacity	Returns the specified refreshable for the specified capacity that the user has access to.
Get Refreshables	Returns a list of refreshables for all capacities that the user has access to.
Get Refreshables For Capacity	Returns a list of refreshables for the specified capacity that the user has access to.
Get Workload	Returns the current state of a workload. If the workload is enabled, the percentage of maximum memory that the workload can consume is also returned.
Get Workloads	Returns the current state of the specified capacity workloads. If a workload is enabled, the percentage of maximum memory that the workload can consume is also ...
Groups AssignMyWorkspaceToCapacity	Assigns My workspace to the specified capacity.
Groups AssignToCapacity	Assigns the specified workspace to the specified capacity.
Groups CapacityAssignmentStatus	Gets the status of the assignment-to-capacity operation for the specified workspace.
Groups CapacityAssignmentStatusMyWorkspace	Gets the status of the My workspace assignment-to-capacity operation.
Patch Workload	Changes the state of a specific workload to <i>Enabled</i> or <i>Disabled</i> . When enabling a workload, specify the percentage of maximum memory that the workload can consum...

Capacities - Get Capacities

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of capacities that the user has access to.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#). The profile creator must have capacity permissions.

Required Scope

Capacity.Read.All or Capacity.ReadWrite.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities
```

Responses

[+] Expand table

Name	Type	Description
200 OK	Capacities	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",
      "displayName": "MyCapacity",
      "admins": [
        "john@contoso.com"
      ],
      "sku": "A1",
      "state": "Active",
      "region": "West Central US",
      "capacityUserAccessRight": "Admin"
    }
  ]
}
```

Definitions

[+] Expand table

Name	Description
Capacities	OData response wrapper for a Power BI capacity list
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
TenantKey	Encryption key information

Capacities

OData response wrapper for a Power BI capacity list

[+] Expand table

Name	Type	Description
odata.context	string	
value	Capacity[]	The capacity list

Capacity

A Power BI capacity

[\[+\] Expand table](#)

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacityUserAccessRight	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID
region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	CapacityState	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use

Deleted	string	The capacity was deleted and is unavailable
Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress
Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[\] Expand table](#)

Name	Type	Description
Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

TenantKey

Encryption key information

[\[\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.

keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Capacities - Get Refreshable For Capacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified refreshable for the specified capacity that the user has access to.

Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

Required Scope

Capacity.Read.All or Capacity.ReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables/{refreshableId}`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables/{refreshableId}?$expand={$expand}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
capacityId	path	True	string uuid	The capacity ID
refreshable Id	path	True	string	The refreshable ID

\$expand	query	string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>capacities</code> and <code>groups</code> .
-----------------	-------	--------	---------------------------------------------------------------------------------------------------------------------------------------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	Refreshables	OK

Examples

[+] Expand table

Example
Get refreshables with their 'capacity' and 'group' expanded example

Example

Sample request

HTTP
<pre>GET https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables/{refreshableId}</pre>

Sample response

Status code: 200

JSON
<pre>{ "value": [{ "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229", "name": "SalesMarketing", "kind": "Dataset", "startTime": "2017-06-13T09:25:43.153Z", "endTime": "2017-06-19T11:22:32.445Z", "refreshableType": "Dataset" }] }</pre>

```

    "refreshCount": 22,
    "refreshFailures": 0,
    "averageDuration": 289.3814,
    "medianDuration": 268.6245,
    "refreshesPerDay": 11,
    "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:31:43.153Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
    },
    "refreshSchedule": {
        "days": [
            "Sunday",
            "Friday",
            "Saturday"
        ],
        "times": [
            "05:00",
            "11:30",
            "17:30",
            "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
    },
    "configuredBy": [
        "john@contoso.com"
    ]
}
]
}

```

Get refreshables with their 'capacity' and 'group' expanded example

Sample request

HTTP

```

GET
https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables/{refreshableId}?$expand=capacity,group

```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "kind": "Dataset",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-19T11:22:32.445Z",  
      "refreshCount": 22,  
      "refreshFailures": 0,  
      "averageDuration": 289.3814,  
      "medianDuration": 268.6245,  
      "refreshesPerDay": 11,  
      "lastRefresh": {  
        "refreshType": "ViaApi",  
        "startTime": "2017-06-13T09:25:43.153Z",  
        "endTime": "2017-06-13T09:31:43.153Z",  
        "status": "Completed",  
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"  
      },  
      "refreshSchedule": {  
        "days": [  
          "Sunday",  
          "Friday",  
          "Saturday"  
        ],  
        "times": [  
          "05:00",  
          "11:30",  
          "17:30",  
          "23:00"  
        ],  
        "enabled": true,  
        "localTimeZoneId": "UTC",  
        "notifyOption": "MailOnFailure"  
      },  
      "configuredBy": [  
        "john@contoso.com"  
      ],  
      "capacity": {  
        "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",  
        "displayName": "MyCapacity",  
        "sku": "A1"  
      },  
      "group": {  
        "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
        "name": "SalesMarketing"  
      }  
    ]  
  }  
}
```

Definitions

[Expand table](#)

Name	Description
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
days	The days on which to execute the refresh
Refresh	A Power BI refresh history entry
Refreshable	A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.
Refreshable Group	A Power BI group associated to a Refreshable item
Refreshable Kind	The refreshable kind
Refreshables	A Power BI refreshables list
Refresh Attempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.
Refresh AttemptType	The type of refresh attempt.
Refresh Schedule	A Power BI refresh schedule for imported model
RefreshType	The type of refresh request
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
TenantKey	Encryption key information

Capacity

A Power BI capacity

[\[+\] Expand table](#)

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacity UserAccess Right	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID
region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	Capacity State	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use
Deleted	string	The capacity was deleted and is unavailable
Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress

Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

days

The days on which to execute the refresh

[\[+\] Expand table](#)

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

Refresh

A Power BI refresh history entry

[\[\] Expand table](#)

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	RefreshAttempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.
serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	<code>Unknown</code> if the completion state is unknown or a refresh is in progress. <code>Completed</code> for a successfully completed refresh. <code>Failed</code> for an unsuccessful refresh (<code>serviceExceptionJson</code> will contain the error code). <code>Disabled</code> if the refresh is disabled by a selective refresh.

Refreshable

A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

[\[\] Expand table](#)

Name	Type	Description
averageDuration	number	The average duration in seconds of a refresh during the time window for which refresh data exists
capacity	Capacity	The capacity for the refreshable item
configuredBy	string[]	The refreshable owners
endTime	string	The end time of the window for which refresh data exists

group	Refreshable Group	The associated group for the refreshable item
id	string	The object ID of the refreshable
kind	Refreshable Kind	The refreshable kind
lastRefresh	Refresh	The last Power BI refresh history entry for the refreshable item
medianDuration	number	The median duration in seconds of a refresh within the time window for which refresh data exists
name	string	The display name of the refreshable
refreshCount	integer	The number of refreshes within the time window for which refresh data exists
refreshFailures	integer	The number of refresh failures within the time window for which refresh data exists
refreshSchedule	Refresh Schedule	The refresh schedule for the refreshable item
refreshesPerDay	integer	The number of refreshes per day (scheduled and on-demand) within the time window for which refresh data exists
startTime	string	The start time of the window for which refresh data exists

RefreshableGroup

A Power BI group associated to a Refreshable item

[\[\]](#) [Expand table](#)

Name	Type	Description
id	string	The workspace ID
name	string	The group name

RefreshableKind

The refreshable kind

[\[\]](#) [Expand table](#)

Name	Type	Description
Dataset	string	Dataset

Refreshables

A Power BI refreshables list

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Refreshable[]	The refreshables

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[\[\]](#) [Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

RefreshType

The type of refresh request

[\[\]](#) [Expand table](#)

Name	Type	Description
OnDemand	string	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	string	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	string	The refresh was triggered by a dataset refresh schedule setting
ViaApi	string	The refresh was triggered by an API call
ViaEnhancedApi	string	The refresh was triggered by an enhanced refresh REST API

call

ViaXmlaEndpoint	string	The refresh was triggered through Power BI public XMLA endpoint
-----------------	--------	-----------------------------------------------------------------

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[\] Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

TenantKey

Encryption key information

[\[\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Capacities - Get Refreshables

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of refreshables for all capacities that the user has access to.

Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

Required Scope

Capacity.Read.All or Capacity.ReadWrite.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/refreshables?$top={$top}
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/refreshables?$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
\$top	query	True	integer int32	Returns only the first n results.
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>capacity</code> and <code>group</code> .
\$filter	query		string	Returns a subset of a results based on Odata filter query parameter condition.

\$skip	query	integer int32	Skips the first n results. Use with top to fetch results beyond the first 1000.
---------------	-------	------------------	---------------------------------------------------------------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	Refreshables	OK

Examples

[+] Expand table

Example
Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.
Get refreshables with their 'capacity' and 'group' expanded example

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/refreshables
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "kind": "Dataset",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-19T11:22:32.445Z",
      "refreshCount": 22,
```

```

    "refreshFailures": 0,
    "averageDuration": 289.3814,
    "medianDuration": 268.6245,
    "refreshesPerDay": 11,
    "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:31:43.153Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
    },
    "refreshSchedule": {
        "days": [
            "Sunday",
            "Friday",
            "Saturday"
        ],
        "times": [
            "05:00",
            "11:30",
            "17:30",
            "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
    },
    "configuredBy": [
        "john@contoso.com"
    ]
}
]
}
}

```

Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/refreshables?
$filter=averageDuration gt 1800
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "kind": "Dataset",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-19T11:22:32.445Z",
      "refreshCount": 22,
      "refreshFailures": 0,
      "averageDuration": 3289.3814,
      "medianDuration": 2268.6245,
      "refreshesPerDay": 11,
      "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:58:05.221Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
      },
      "refreshSchedule": {
        "days": [
          "Sunday",
          "Friday",
          "Saturday"
        ],
        "times": [
          "05:00",
          "11:30",
          "17:30",
          "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
      },
      "configuredBy": [
        "john@contoso.com"
      ]
    }
  ]
}
```

Get refreshables with their 'capacity' and 'group' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/refreshables?  
$expand=capacity,group
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "kind": "Dataset",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-19T11:22:32.445Z",  
      "refreshCount": 22,  
      "refreshFailures": 0,  
      "averageDuration": 289.3814,  
      "medianDuration": 268.6245,  
      "refreshesPerDay": 11,  
      "lastRefresh": {  
        "refreshType": "ViaApi",  
        "startTime": "2017-06-13T09:25:43.153Z",  
        "endTime": "2017-06-13T09:31:43.153Z",  
        "status": "Completed",  
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"  
      },  
      "refreshSchedule": {  
        "days": [  
          "Sunday",  
          "Friday",  
          "Saturday"  
        ],  
        "times": [  
          "05:00",  
          "11:30",  
          "17:30",  
          "23:00"  
        ],  
        "enabled": true,  
        "localTimeZoneId": "UTC",  
        "notifyOption": "MailOnFailure"  
      },  
      "configuredBy": [  
        "john@contoso.com"  
      ],  
      "capacity": {  
        "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",  
        "displayName": "MyCapacity",  
        "sku": "A1"  
      }  
    }  
  ]  
}
```

```

        },
        "group": {
            "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
            "name": "SalesMarketing"
        }
    }
]
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
days	The days on which to execute the refresh
Refresh	A Power BI refresh history entry
Refreshable	A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.
RefreshableGroup	A Power BI group associated to a Refreshable item
RefreshableKind	The refreshable kind
Refreshables	A Power BI refreshables list
RefreshAttempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.
RefreshAttemptType	The type of refresh attempt.
RefreshSchedule	A Power BI refresh schedule for imported model
RefreshType	The type of refresh request

ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
TenantKey	Encryption key information

Capacity

A Power BI capacity

[\[+\] Expand table](#)

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacity UserAccess Right	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID
region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	Capacity State	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use
Deleted	string	The capacity was deleted and is unavailable

Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress
Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[\] Expand table](#)

Name	Type	Description
Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

days

The days on which to execute the refresh

[\[\] Expand table](#)

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	

Tuesday	string
Wednesday	string

Refresh

A Power BI refresh history entry

[+] Expand table

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	RefreshAttempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.
serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	<p><code>Unknown</code> if the completion state is unknown or a refresh is in progress.</p> <p><code>Completed</code> for a successfully completed refresh.</p> <p><code>Failed</code> for an unsuccessful refresh (<code>serviceExceptionJson</code> will contain the error code).</p> <p><code>Disabled</code> if the refresh is disabled by a selective refresh.</p>

Refreshable

A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

[+] Expand table

Name	Type	Description
------	------	-------------

averageDuration	number	The average duration in seconds of a refresh during the time window for which refresh data exists
capacity	Capacity	The capacity for the refreshable item
configuredBy	string[]	The refreshable owners
endTime	string	The end time of the window for which refresh data exists
group	Refreshable Group	The associated group for the refreshable item
id	string	The object ID of the refreshable
kind	Refreshable Kind	The refreshable kind
lastRefresh	Refresh	The last Power BI refresh history entry for the refreshable item
medianDuration	number	The median duration in seconds of a refresh within the time window for which refresh data exists
name	string	The display name of the refreshable
refreshCount	integer	The number of refreshes within the time window for which refresh data exists
refreshFailures	integer	The number of refresh failures within the time window for which refresh data exists
refreshSchedule	Refresh Schedule	The refresh schedule for the refreshable item
refreshesPerDay	integer	The number of refreshes per day (scheduled and on-demand) within the time window for which refresh data exists
startTime	string	The start time of the window for which refresh data exists

RefreshableGroup

A Power BI group associated to a Refreshable item

[\[+\]](#) Expand table

Name	Type	Description
id	string	The workspace ID
name	string	The group name

RefreshableKind

The refreshable kind

[+] [Expand table](#)

Name	Type	Description
Dataset	string	Dataset

Refreshables

A Power BI refreshables list

[+] [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Refreshable []	The refreshables

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[+] [Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[+] [Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[+] [Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

RefreshType

The type of refresh request

[+] [Expand table](#)

Name	Type	Description
OnDemand	string	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	string	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	string	The refresh was triggered by a dataset refresh schedule setting

ViaApi	string	The refresh was triggered by an API call
ViaEnhancedApi	string	The refresh was triggered by an enhanced refresh REST API call
ViaXmlaEndpoint	string	The refresh was triggered through Power BI public XMLA endpoint

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[+\] Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

TenantKey

Encryption key information

[\[+\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.
keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Capacities - Get Refreshables For Capacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of refreshables for the specified capacity that the user has access to.

Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

Required Scope

Capacity.Read.All or Capacity.ReadWrite.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables?  
$top={$top}
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables?  
$expand={$expand}&$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
capacityId	path	True	string uuid	The capacity ID
\$top	query	True	integer int32	Returns only the first n results.

\$expand	query	string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>capacities</code> and <code>groups</code> .
\$filter	query	string	Returns a subset of a results based on Odata filter query parameter condition.
\$skip	query	integer int32	Skips the first n results. Use with top to fetch results beyond the first 1000.

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Refreshables	OK

Examples

[+] [Expand table](#)

Example
Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.
Get refreshables with their 'capacity' and 'group' expanded example

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "kind": "Dataset",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-19T11:22:32.445Z",
      "refreshCount": 22,
      "refreshFailures": 0,
      "averageDuration": 289.3814,
      "medianDuration": 268.6245,
      "refreshesPerDay": 11,
      "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:31:43.153Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
      },
      "refreshSchedule": {
        "days": [
          "Sunday",
          "Friday",
          "Saturday"
        ],
        "times": [
          "05:00",
          "11:30",
          "17:30",
          "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
      },
      "configuredBy": [
        "john@contoso.com"
      ]
    }
  ]
}
```

Get refreshables, filtering for an average refresh duration of greater than 30 minutes example.

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables?  
$filter=averageDuration gt 1800
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "name": "SalesMarketing",  
      "kind": "Dataset",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-19T11:22:32.445Z",  
      "refreshCount": 22,  
      "refreshFailures": 0,  
      "averageDuration": 3289.3814,  
      "medianDuration": 2268.6245,  
      "refreshesPerDay": 11,  
      "lastRefresh": {  
        "refreshType": "ViaApi",  
        "startTime": "2017-06-13T09:25:43.153Z",  
        "endTime": "2017-06-13T09:58:05.221Z",  
        "status": "Completed",  
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"  
      },  
      "refreshSchedule": {  
        "days": [  
          "Sunday",  
          "Friday",  
          "Saturday"  
        ],  
        "times": [  
          "05:00",  
          "11:30",  
          "17:30",  
          "23:00"  
        ],  
        "enabled": true,  
        "localTimeZoneId": "UTC",  
        "notifyOption": "MailOnFailure"  
      },  
      "configuredBy": [  
        "john@contoso.com"  
      ]  
    }  
  ]  
}
```

Get refreshables with their 'capacity' and 'group' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/refreshables?  
$expand=capacity,group
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "kind": "Dataset",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-19T11:22:32.445Z",
      "refreshCount": 22,
      "refreshFailures": 0,
      "averageDuration": 289.3814,
      "medianDuration": 268.6245,
      "refreshesPerDay": 11,
      "lastRefresh": {
        "refreshType": "ViaApi",
        "startTime": "2017-06-13T09:25:43.153Z",
        "endTime": "2017-06-13T09:31:43.153Z",
        "status": "Completed",
        "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
      },
      "refreshSchedule": {
        "days": [
          "Sunday",
          "Friday",
          "Saturday"
        ],
        "times": [
          "05:00",
          "11:30",
          "17:30",
          "23:00"
        ],
        "enabled": true,
        "localTimeZoneId": "UTC",
        "notifyOption": "MailOnFailure"
      }
    }
  ]
}
```

```

},
"configuredBy": [
    "john@contoso.com"
],
"capacity": {
    "id": "0f084df7-c13d-451b-af5f-ed0c466403b2",
    "displayName": "MyCapacity",
    "sku": "A1"
},
"group": {
    "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
    "name": "SalesMarketing"
}
}
]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
Capacity	A Power BI capacity
CapacityState	The capacity state
capacityUserAccessRight	The access right that the user has on the capacity
days	The days on which to execute the refresh
Refresh	A Power BI refresh history entry
Refreshable	A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.
RefreshableGroup	A Power BI group associated to a Refreshable item
RefreshableKind	The refreshable kind
Refreshables	A Power BI refreshables list
RefreshAttempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

RefreshAttemptType	The type of refresh attempt.
RefreshSchedule	A Power BI refresh schedule for imported model
RefreshType	The type of refresh request
ScheduleNotifyOption	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
TenantKey	Encryption key information

Capacity

A Power BI capacity

[\[+\]](#) [Expand table](#)

Name	Type	Description
admins	string[]	An array of capacity admins
capacityUserAccessRight	capacityUserAccessRight	The access right a user has on the capacity
displayName	string	The display name of the capacity
id	string	The capacity ID
region	string	The Azure region where the capacity was provisioned
sku	string	The capacity SKU
state	CapacityState	The capacity state
tenantKey	TenantKey	Encryption key information (only applies to admin routes)
tenantKeyId	string	The ID of an encryption key (only applicable to the admin route)

CapacityState

The capacity state

[\[+\] Expand table](#)

Name	Type	Description
Active	string	The capacity is ready to use
Deleted	string	The capacity was deleted and is unavailable
Deleting	string	Deletion of the capacity is in progress
Invalid	string	The capacity can't be used
NotActivated	string	Unsupported
PreSuspended	string	Unsupported
ProvisionFailed	string	Provisioning of the capacity failed
Provisioning	string	Activation of the capacity is in progress
Suspended	string	Use of the capacity is suspended
UpdatingSku	string	A capacity SKU change is in progress

capacityUserAccessRight

The access right that the user has on the capacity

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	User has administrator rights on the capacity
Assign	string	User has contributor rights and can assign workspaces to the capacity
None	string	User doesn't have access to the capacity

days

The days on which to execute the refresh

[\[+\] Expand table](#)

Name	Type	Description
Friday	string	

Monday	string
Saturday	string
Sunday	string
Thursday	string
Tuesday	string
Wednesday	string

Refresh

A Power BI refresh history entry

[\[+\] Expand table](#)

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	Refresh Attempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.
serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	<p><code>Unknown</code> if the completion state is unknown or a refresh is in progress.</p> <p><code>Completed</code> for a successfully completed refresh.</p> <p><code>Failed</code> for an unsuccessful refresh (<code>serviceExceptionJson</code> will contain the error code).</p> <p><code>Disabled</code> if the refresh is disabled by a selective refresh.</p>

Refreshable

A Power BI refreshable is a dataset that's been refreshed at least once, or for which a valid refresh schedule exists. If a dataset doesn't meet either of these conditions, then it

won't show up in the API response. Power BI retains a seven-day refresh history for each dataset, up to a maximum of sixty refreshes.

[+] Expand table

Name	Type	Description
averageDuration	number	The average duration in seconds of a refresh during the time window for which refresh data exists
capacity	Capacity	The capacity for the refreshable item
configuredBy	string[]	The refreshable owners
endTime	string	The end time of the window for which refresh data exists
group	Refreshable Group	The associated group for the refreshable item
id	string	The object ID of the refreshable
kind	Refreshable Kind	The refreshable kind
lastRefresh	Refresh	The last Power BI refresh history entry for the refreshable item
medianDuration	number	The median duration in seconds of a refresh within the time window for which refresh data exists
name	string	The display name of the refreshable
refreshCount	integer	The number of refreshes within the time window for which refresh data exists
refreshFailures	integer	The number of refresh failures within the time window for which refresh data exists
refreshSchedule	Refresh Schedule	The refresh schedule for the refreshable item
refreshesPerDay	integer	The number of refreshes per day (scheduled and on-demand) within the time window for which refresh data exists
startTime	string	The start time of the window for which refresh data exists

RefreshableGroup

A Power BI group associated to a Refreshable item

[\[\] Expand table](#)

Name	Type	Description
id	string	The workspace ID
name	string	The group name

RefreshableKind

The refreshable kind

[\[\] Expand table](#)

Name	Type	Description
Dataset	string	Dataset

Refreshables

A Power BI refreshables list

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Refreshable []	The refreshables

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.

startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[+] [Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[+] [Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneld	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

RefreshType

The type of refresh request

[+] [Expand table](#)

Name	Type	Description
OnDemand	string	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	string	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	string	The refresh was triggered by a dataset refresh schedule setting
ViaApi	string	The refresh was triggered by an API call
ViaEnhancedApi	string	The refresh was triggered by an enhanced refresh REST API call
ViaXmlaEndpoint	string	The refresh was triggered through Power BI public XMLA endpoint

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[+\] Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

TenantKey

Encryption key information

[\[+\] Expand table](#)

Name	Type	Description
createdAt	string	The creation date and time of the encryption key
id	string	The ID of the encryption key
isDefault	boolean	Whether the encryption key is the default key for the entire tenant. Any newly created capacity inherits the default key.

keyVaultKeyIdentifier	string	The URI that uniquely specifies the encryption key in Azure Key Vault
name	string	The name of the encryption key
updatedAt	string	The last update date and time of the encryption key

Capacities - Get Workload

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the current state of a workload. If the workload is enabled, the percentage of maximum memory that the workload can consume is also returned.

Workload APIs aren't relevant for [Gen2](#) capacities.

Required Scope

Capacity.Read.All or Capacity.ReadWrite.All

HTTP
<p>GET <code>https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/Workloads/{workloadName}</code></p>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>capacityId</code>	path	True	string uuid	The capacity ID
<code>workloadName</code>	path	True	string	The name of the workload

Responses

[+] Expand table

Name	Type	Description
200 OK	Workload	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/0f084df7-c13d-451b-af5f-ed0c466403b2/Workloads/Dataflows
```

Sample response

Status code: 200

JSON

```
{
  "value": {
    "state": "Enabled",
    "name": "Dataflows",
    "maxMemoryPercentageSetByUser": "66"
  }
}
```

Definitions

[+] Expand table

Name	Description
Workload	A capacity workload setting
WorkloadState	The capacity workload state

Workload

A capacity workload setting

[+] Expand table

Name	Type	Description

maxMemoryPercentageSetByUser	integer	The percentage of the maximum memory that a workload can consume (set by the user)
name	string	The workload name
state	Workload State	The capacity workload state

WorkloadState

The capacity workload state

[Expand table](#)

Name	Type	Description
Disabled	string	The workload is disabled
Enabled	string	The workload is enabled
Unsupported	string	The workload is unsupported by the current capacity SKU and can't be enabled. This value can't be set by the user in a Patch Workload API call .

Capacities - Get Workloads

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the current state of the specified capacity workloads. If a workload is enabled, the percentage of maximum memory that the workload can consume is also returned.

Workload APIs aren't relevant for [Gen2](#) capacities.

Required Scope

Capacity.Read.All or Capacity.ReadWrite.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/Workloads
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
capacityId	path	True	string uuid	The capacity ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Workloads	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/capacities/0f084df7-c13d-451b-af5f-ed0c466403b2/Workloads
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "state": "Enabled",
      "name": "Dataflows",
      "maxMemoryPercentageSetByUser": "66"
    },
    {
      "state": "Disabled",
      "name": "PaginatedReports"
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Workload	A capacity workload setting
Workloads	OData response wrapper for capacity workload settings list
WorkloadState	The capacity workload state

Workload

A capacity workload setting

[\[+\] Expand table](#)

Name	Type	Description
maxMemoryPercentageSetByUser	integer	The percentage of the maximum memory that a workload can consume (set by the user)
name	string	The workload name
state	Workload State	The capacity workload state

Workloads

OData response wrapper for capacity workload settings list

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Workload[]	The list of capacity workload settings

WorkloadState

The capacity workload state

[\[+\] Expand table](#)

Name	Type	Description
Disabled	string	The workload is disabled
Enabled	string	The workload is enabled
Unsupported	string	The workload is unsupported by the current capacity SKU and can't be enabled. This value can't be set by the user in a Patch Workload API call .

Capacities - Groups

AssignMyWorkspaceToCapacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Assigns My workspace to the specified capacity.

To unassign My workspace from a capacity, provide an empty GUID (`00000000-0000-0000-0000-000000000000`) as the `capacityId`.

Permissions

The user must have administrator rights or Assign permission on the capacity.

Required Scope

Capacity.ReadWrite.All and Workspace.ReadWrite.All

HTTP

`POST https://api.powerbi.com/v1.0/myorg/AssignToCapacity`

Request Body

[+] Expand table

Name	Required	Type	Description
capacityId	True	string	The capacity ID. To unassign from a capacity, use an empty GUID (<code>00000000-0000-0000-0000-000000000000</code>).

Responses

[+] Expand table

Name	Type	Description
------	------	-------------

200 OK

OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/AssignToCapacity
```

Request Body

JSON

```
{  
    "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2"  
}
```

Sample response

Status code: 200

Definitions

AssignToCapacityRequest

A Power BI assign-to-capacity request

[+] Expand table

Name	Type	Description
capacityId	string	The capacity ID. To unassign from a capacity, use an empty GUID (<code>00000000-0000-0000-0000-000000000000</code>).

Capacities - Groups AssignToCapacity

Reference

Service: Power BI REST APIs

API Version: v1.0

Assigns the specified workspace to the specified capacity.

To unassign **My workspace** from a capacity, provide an empty GUID (`00000000-0000-0000-0000-000000000000`) as the `capacityId`.

Permissions

The user must have administrator rights or assign permissions on the capacity.

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Capacity.ReadWrite.All and Workspace.ReadWrite.All

HTTP

`POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/AssignToCapacity`

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
<code>groupId</code>	path	True	string uuid	The workspace ID

Request Body

[+] [Expand table](#)

Name	Required	Type	Description
capacityId	True	string	The capacity ID. To unassign from a capacity, use an empty GUID (00000000-0000-0000-0000-000000000000).

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/AssignToCapacity
```

Request Body

JSON

```
{  
    "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2"  
}
```

Sample response

Status code: 200

Definitions

AssignToCapacityRequest

A Power BI assign-to-capacity request

[\[\]](#) Expand table

Name	Type	Description
capacityId	string	The capacity ID. To unassign from a capacity, use an empty GUID (00000000-0000-0000-0000-000000000000).

Capacities - Groups

CapacityAssignmentStatus

Reference

Service: Power BI REST APIs

API Version: v1.0

Gets the status of the assignment-to-capacity operation for the specified workspace.

Permissions

The user must have administrator rights or assign permissions on the capacity.

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.Read.All and Workspace.ReadWrite.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/CapacityAssignmentStatus</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description

200 OK Workspace OK

Capacity
Assignment
Status

Examples

[+] Expand table

Completed assignment status example

In-progress assignment status example

Completed assignment status example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/CapacityAssignmentStatus
```

Sample response

Status code: 200

JSON

```
{
  "status": "CompletedSuccessfully",
  "activityId": "dec4010c-9aad-edb6-0063-94b313cf121",
  "startTime": "2017-06-13T09:25:43.153Z",
  "endTime": "2017-06-13T09:26:43.153Z",
  "capacityId": "EC719732-EC80-4034-8053-0026BD5996D4"
}
```

In-progress assignment status example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/CapacityAssignmentStatus
```

Sample response

Status code: 200

JSON

```
{  
  "status": "InProgress",  
  "startTime": "2017-06-13T09:25:43.153Z",  
  "capacityId": "EC719732-EC80-4034-8053-0026BD5996D4"  
}
```

Definitions

[Expand table](#)

Name	Description
AssignmentStatus	The status of a workspace assign-to-capacity operation
WorkspaceCapacityAssignmentStatus	A Power BI response with the status of a workspace assign-to-capacity operation

AssignmentStatus

The status of a workspace assign-to-capacity operation

[Expand table](#)

Name	Type	Description
AssignmentFailed	string	The assignment operation failed
CompletedSuccessfully	string	The assignment operation has completed successfully
InProgress	string	The assignment operation is in progress
Pending	string	The assignment request was received, but the assignment operation hasn't started.

WorkspaceCapacityAssignmentStatus

A Power BI response with the status of a workspace assign-to-capacity operation

[\[+\] Expand table](#)

Name	Type	Description
activityId	string	The activity ID of the assignment operation (provided in case of an assignment failure).
capacityId	string	The capacity ID
endTime	string	The end date and time of a workspace assignment operation
startTime	string	The start date and time of a workspace assignment operation
status	Assignment Status	The status of a workspace assign-to-capacity operation

Capacities - Groups

CapacityAssignmentStatusMyWorkspace

Reference

Service: Power BI REST APIs

API Version: v1.0

Gets the status of the **My workspace** assignment-to-capacity operation.

Required Scope

Workspace.Read.All and Workspace.ReadWrite.All

HTTP

GET <https://api.powerbi.com/v1.0/myorg/CapacityAssignmentStatus>

Responses

[+] Expand table

Name	Type	Description
200 OK	Workspace Capacity Assignment Status	OK

Examples

[+] Expand table

Completed assignment status example
In-progress assignment status example

Completed assignment status example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/CapacityAssignmentStatus
```

Sample response

Status code: 200

JSON

```
{  
  "status": "CompletedSuccessfully",  
  "activityId": "dec4010c-9aad-edb6-0063-94b313cf121",  
  "startTime": "2017-06-13T09:25:43.153Z",  
  "endTime": "2017-06-13T09:26:43.153Z",  
  "capacityId": "00000000-0000-0000-0000-000000000000"  
}
```

In-progress assignment status example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/CapacityAssignmentStatus
```

Sample response

Status code: 200

JSON

```
{  
  "status": "InProgress",  
  "startTime": "2017-06-13T09:25:43.153Z",  
  "capacityId": "EC719732-EC80-4034-8053-0026BD5996D4"  
}
```

Definitions

[] Expand table

Name	Description
AssignmentStatus	The status of a workspace assign-to-capacity operation
WorkspaceCapacityAssignmentStatus	A Power BI response with the status of a workspace assign-to-capacity operation

AssignmentStatus

The status of a workspace assign-to-capacity operation

[Expand table](#)

Name	Type	Description
AssignmentFailed	string	The assignment operation failed
CompletedSuccessfully	string	The assignment operation has completed successfully
InProgress	string	The assignment operation is in progress
Pending	string	The assignment request was received, but the assignment operation hasn't started.

WorkspaceCapacityAssignmentStatus

A Power BI response with the status of a workspace assign-to-capacity operation

[Expand table](#)

Name	Type	Description
activityId	string	The activity ID of the assignment operation (provided in case of an assignment failure).
capacityId	string	The capacity ID
endTime	string	The end date and time of a workspace assignment operation
startTime	string	The start date and time of a workspace assignment operation
status	Assignment Status	The status of a workspace assign-to-capacity operation

Capacities - Patch Workload

Reference

Service: Power BI REST APIs

API Version: v1.0

Changes the state of a specific workload to *Enabled* or *Disabled*. When enabling a workload, specify the percentage of maximum memory that the workload can consume.

Workload APIs aren't relevant for [Gen2](#) capacities.

Required Scope

Capacity.ReadWrite.All

HTTP
PATCH
<code>https://api.powerbi.com/v1.0/myorg/capacities/{capacityId}/Workloads/{workloadName}</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
capacityId	path	True	string uuid	The capacity ID
workloadName	path	True	string	The name of the workload

Request Body

[+] Expand table

Name	Required	Type	Description
state	True	Workload State	The capacity workload state

maxMemoryPercentageSetByUser	integer	The percentage of the maximum memory that a workload can consume (set by the user)
------------------------------	---------	------------------------------------------------------------------------------------

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/capacities/0f084df7-c13d-451b-af5f-ed0c466403b2/Workloads/Dataflows
```

Request Body

JSON

```
{  
  "state": "Enabled",  
  "maxMemoryPercentageSetByUser": "66"  
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
------	-------------

PatchWorkloadRequest	Patch workload setting request
WorkloadState	The capacity workload state

PatchWorkloadRequest

Patch workload setting request

[+] Expand table

Name	Type	Description
maxMemoryPercentageSetByUser	integer	The percentage of the maximum memory that a workload can consume (set by the user)
state	Workload State	The capacity workload state

WorkloadState

The capacity workload state

[+] Expand table

Name	Type	Description
Disabled	string	The workload is disabled
Enabled	string	The workload is enabled
Unsupported	string	The workload is unsupported by the current capacity SKU and can't be enabled. This value can't be set by the user in a Patch Workload API call .

Dashboards

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Add Dashboard	Creates a new empty dashboard in My workspace .
Add Dashboard In Group	Creates a new empty dashboard in the specified workspace.
Clone Tile	Clones the specified tile from My workspace .
Clone Tile In Group	Clones the specified tile from the specified workspace.
Delete Dashboard	Deletes the specified dashboard from My workspace .
Delete Dashboard In Group	Deletes the specified dashboard from the specified workspace.
Get Dashboard	Returns the specified dashboard from My workspace .
Get Dashboard In Group	Returns the specified dashboard from the specified workspace.
Get Dashboards	Returns a list of dashboards from My workspace .
Get Dashboards In Group	Returns a list of dashboards from the specified workspace.
Get Tile	Returns the specified tile within the specified dashboard from My workspace .
Get Tile In Group	Returns the specified tile within the specified dashboard from the specified workspace.
Get Tiles	Returns a list of tiles within the specified dashboard from My workspace .
Get Tiles In Group	Returns a list of tiles within the specified dashboard from the specified workspace.

Dashboards - Add Dashboard

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new empty dashboard in **My workspace**.

Required Scope

Content.Create

HTTP

POST <https://api.powerbi.com/v1.0/myorg/dashboards>

Request Body

[Expand table](#)

Name	Required	Type	Description
name	True	string	The name of the new dashboard

Responses

[Expand table](#)

Name	Type	Description
200 OK	Dashboard	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/dashboards
```

Request Body

JSON

```
{  
  "name": "SalesMarketing"  
}
```

Sample response

Status code: 200

JSON

```
{  
  "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",  
  "displayName": "SalesMarketing",  
  "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=69ffaa6c-  
b36d-4d01-96f5-1ed67c64d4af",  
  "isReadOnly": false  
}
```

Definitions

[+] Expand table

Name	Description
AddDashboard Request	A Power BI request to add a dashboard
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type
ServicePrincipal	A Power BI service principal profile. Only relevant for Power BI Embedded

Profile	multi-tenancy solution.
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

AddDashboardRequest

A Power BI request to add a dashboard

[Expand table](#)

Name	Type	Description
name	string	The name of the new dashboard

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	Dashboard User[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call,

or the [PostWorkspaceInfo](#) API call with the `getArtifactUsers` parameter.

webUrl	string	The web URL of the dashboard
--------	--------	------------------------------

DashboardUser

A Power BI user access right entry for a dashboard

[+] [Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard

ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)

artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report , Dashboard , or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Dashboards - Add Dashboard In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new empty dashboard in the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Content.Create

HTTP

POST `https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description
name	True	string	The name of the new dashboard

Responses

 Expand table

Name	Type	Description
200 OK	Dashboard	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards
```

Request Body

JSON

```
{  
  "name": "SalesMarketing"  
}
```

Sample response

Status code: 200

JSON

```
{  
  "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",  
  "displayName": "SalesMarketing",  
  "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48",  
  "isReadOnly": false  
}
```

Definitions

[Expand table](#)

Name	Description
AddDashboardRequest	A Power BI request to add a dashboard
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUserAccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

AddDashboardRequest

A Power BI request to add a dashboard

[Expand table](#)

Name	Type	Description
name	string	The name of the new dashboard

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app

displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	DashboardUser[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard

DashboardUser

A Power BI user access right entry for a dashboard

[+] [Expand table](#)

Name	Type	Description
dashboardUserAccessRight	DashboardUserAccessRight	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	PrincipalType	The principal type
profile	ServicePrincipal	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Profile

userType	string	Type of the user.
----------	--------	-------------------

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[+] Expand table

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call , the returned

value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the [Get Report Subscriptions As Admin](#) or [Get Dashboard Subscriptions As Admin](#) API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Dashboards - Clone Tile

Reference

Service: Power BI REST APIs

API Version: v1.0

Clones the specified tile from **My workspace**.

When a tile is cloned to another workspace and bound to another report and dataset, it's cloned as is with its underlying query containing the original report filters.

If the target report ID and target dataset are missing, the following can occur:

If you're cloning a tile within the same workspace, the report and dataset links will be cloned from the source tile.

If you're cloning a tile within a different workspace, report and dataset links will be removed, and the tile will be broken.

Required Scope

Dashboard.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/dashboards/{dashboardId}/tiles/{tileId}/Clone`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
tileId	path	True	string uuid	The tile ID

Request Body

[Expand table](#)

Name	Required	Type	Description
targetDashboardId	True	string	The target dashboard ID
positionConflictAction		position Conflict Action	Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value <code>Stay</code> will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.
targetModelId		string	Optional. A parameter for specifying a target model ID. When cloning a tile linked to a dataset, pass the target model ID to rebind the new tile to a different dataset.
targetReportId		string	Optional. A parameter for specifying a target report ID. When cloning a tile linked to a report, pass the target report ID to rebind the new tile to a different report.
targetWorkspaceId		string	Optional. A parameter for specifying a target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>) indicates My workspace . If this parameter isn't provided, the tile will be cloned within the same workspace as the source tile.

Responses

[Expand table](#)

Name	Type	Description
200 OK	Tile	OK

Definitions

[Expand table](#)

Name	Description
CloneTileRequest	A Power BI request to clone a tile

positionConflictAction	Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value <code>Stay</code> will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.
Tile	A Power BI tile

CloneTileRequest

A Power BI request to clone a tile

[+] [Expand table](#)

Name	Type	Description
<code>positionConflictAction</code>	positionConflictAction	Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value <code>Stay</code> will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.
<code>targetDashboardId</code>	string	The target dashboard ID
<code>targetModelId</code>	string	Optional. A parameter for specifying a target model ID. When cloning a tile linked to a dataset, pass the target model ID to rebind the new tile to a different dataset.
<code>targetReportId</code>	string	Optional. A parameter for specifying a target report ID. When cloning a tile linked to a report, pass the target report ID to rebind the new tile to a different report.
<code>targetWorkspaceId</code>	string	Optional. A parameter for specifying a target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>) indicates My workspace . If this parameter isn't provided, the tile will be cloned within the same workspace as the source tile.

positionConflictAction

Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value `Stay` will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.

[+] [Expand table](#)

Name	Type	Description
Abort	string	In the event of position conflict, the request will be cancelled.
Tail	string	In the event of position conflict, the tile will be added at the end of the specified dashboard.

Tile

A Power BI tile

[\[\] Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Dashboards - Clone Tile In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Clones the specified tile from the specified workspace.

When a tile is cloned to another workspace and bound to another report and dataset, it's cloned as is with its underlying query containing the original report filters.

If the target report ID and target dataset are missing, the following can occur:

- If you're cloning a tile within the same workspace, the report and dataset links will be cloned from the source tile.
- If you're cloning a tile within a different workspace, report and dataset links will be removed, and the tile will be broken.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dashboard.ReadWrite.All

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/{dashboardId}/tiles/{tileId}/Clone</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID

groupId	path	True	string uuid	The workspace ID
tileId	path	True	string uuid	The tile ID

Request Body

[+] Expand table

Name	Required	Type	Description
targetDashboardId	True	string	The target dashboard ID
positionConflictAction		position Conflict Action	Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value <code>Tail</code> will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.
targetModelId		string	Optional. A parameter for specifying a target model ID. When cloning a tile linked to a dataset, pass the target model ID to rebind the new tile to a different dataset.
targetReportId		string	Optional. A parameter for specifying a target report ID. When cloning a tile linked to a report, pass the target report ID to rebind the new tile to a different report.
targetWorkspaceId		string	Optional. A parameter for specifying a target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>) indicates My workspace . If this parameter isn't provided, the tile will be cloned within the same workspace as the source tile.

Responses

[+] Expand table

Name	Type	Description
200 OK	Tile	OK

Definitions

[\[+\] Expand table](#)

Name	Description
CloneTileRequest	A Power BI request to clone a tile
positionConflictAction	Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value <code>Tile</code> will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.
Tile	A Power BI tile

CloneTileRequest

A Power BI request to clone a tile

[\[+\] Expand table](#)

Name	Type	Description
positionConflictAction	position Conflict Action	Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value <code>Tile</code> will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.
targetDashboardId	string	The target dashboard ID
targetModelId	string	Optional. A parameter for specifying a target model ID. When cloning a tile linked to a dataset, pass the target model ID to rebind the new tile to a different dataset.
targetReportId	string	Optional. A parameter for specifying a target report ID. When cloning a tile linked to a report, pass the target report ID to rebind the new tile to a different report.
targetWorkspaceId	string	Optional. A parameter for specifying a target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>) indicates My workspace . If this parameter isn't provided, the tile will be cloned within the same workspace as the source tile.

positionConflictAction

Optional. A parameter for specifying an action in case of a position conflict. If there's a conflict and this parameter isn't provided, then the default value `Tail` will be applied. If there's no conflict, then the cloned tile will have the same position as in the source.

[\[+\] Expand table](#)

Name	Type	Description
Abort	string	In the event of position conflict, the request will be cancelled.
Tail	string	In the event of position conflict, the tile will be added at the end of the specified dashboard.

Tile

A Power BI tile

[\[+\] Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Dashboards - Delete Dashboard

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified dashboard from **My workspace**.

Required Scope

Dashboard.ReadWrite.All

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/dashboards/{dashboardId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/dashboards/7a463f03-22df-48be-9c00-56067f2fb75f
```

Sample response

Status code: 200

Dashboards - Delete Dashboard In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified dashboard from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dashboard.ReadWrite.All

HTTP
DELETE
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/{dashboardId}</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/d81d5fa5-17d9-4ae4-90a6-d038876c19bd/dashboards/7a463f03-22df-48be-9c00-56067f2fb75f
```

Sample response

Status code: 200

Dashboards - Get Dashboard

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified dashboard from **My workspace**.

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dashboards/{dashboardId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Dashboard	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af
```

Sample response

Status code: 200

JSON

```
{  
  "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",  
  "displayName": "SalesMarketing",  
  "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",  
  "isReadOnly": false  
}
```

Definitions

[+] [Expand table](#)

Name	Description
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability

of data in the Power BI database.

[+] Expand table

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	DashboardUser[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard

DashboardUser

A Power BI user access right entry for a dashboard

[+] Expand table

Name	Type	Description
dashboardUserAccessRight	DashboardUserAccessRight	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.

identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription

subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	Subscription User[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Dashboards - Get Dashboard In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified dashboard from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/{dashboardId}</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description

200 OK

Dashboard OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af
```

Sample response

Status code: 200

JSON

```
{
  "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",
  "displayName": "SalesMarketing",
  "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48",
  "isReadOnly": false
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUserAccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type

ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	Dashboard User[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard

DashboardUser

A Power BI user access right entry for a dashboard

[\[+\] Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription

id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	Subscription User[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

userType string

Type of the user.

Dashboards - Get Dashboards

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dashboards from **My workspace**.

This API also returns shared dashboards and dashboards from shared apps. Dashboards that reside in shared workspaces can be accessed using the [Get Dashboards In Group API](#).

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dashboards
```

Responses

[+] Expand table

Name	Type	Description
200 OK	Dashboards	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dashboards
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",  
      "displayName": "SalesMarketing",  
      "embedUrl": "https://app.powerbi.com/dashboardEmbed?  
dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",  
      "isReadOnly": false  
    }  
  ]  
}
```

Definitions

 Expand table

Name	Description
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
Dashboards	The OData response wrapper for a Power BI dashboard collection
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUser AccessRight	The access right that the user has for the dashboard (permission level)
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability

of data in the Power BI database.

[+] Expand table

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	Dashboard User[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard

Dashboards

The OData response wrapper for a Power BI dashboard collection

[+] Expand table

Name	Type	Description
odata.context	string	OData context
value	Dashboard[]	The dashboard collection

DashboardUser

A Power BI user access right entry for a dashboard

[Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription

id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	Subscription User[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

userType string

Type of the user.

Dashboards - Get Dashboards In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dashboards from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dashboards	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "69ffaa6c-b36d-4d01-96f5-1ed67c64d4af",
      "displayName": "SalesMarketing",
      "embedUrl": "https://app.powerbi.com/dashboardEmbed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48",
      "isReadOnly": false
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Dashboard	A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
Dashboards	The OData response wrapper for a Power BI dashboard collection
DashboardUser	A Power BI user access right entry for a dashboard
DashboardUserAccessRight	The access right that the user has for the dashboard (permission level)

PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dashboard

A Power BI dashboard. The API returns a subset of the following list of dashboard properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the dashboard belongs to an app
displayName	string	The display name of the dashboard
embedUrl	string	The embed URL of the dashboard
id	string	The dashboard ID
isReadOnly	boolean	Whether the dashboard is read-only
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	Dashboard User[]	(Empty value) The dashboard user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dashboard by using the Get Dashboard Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dashboard

Dashboards

The OData response wrapper for a Power BI dashboard collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Dashboard[]	The dashboard collection

DashboardUser

A Power BI user access right entry for a dashboard

[\[+\] Expand table](#)

Name	Type	Description
dashboardUserAccessRight	Dashboard UserAccess Right	The access right that the user has for the dashboard (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DashboardUserAccessRight

The access right that the user has for the dashboard (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in dashboard

Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in dashboard
ReadCopy	string	Grants Read and Copy access to content in dashboard
ReadReshare	string	Grants Read and Reshare access to content in dashboard
ReadWrite	string	Grants Read and Write access to content in dashboard

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Dashboards - Get Tile

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified tile within the specified dashboard from **My workspace**.

Supported tiles include datasets and live tiles that contain an entire report page.

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Titles that are edited in the report before the visual is added to the dashboard, are not returned. To return these titles, edit them in the dashboard.

HTTP				
GET https://api.powerbi.com/v1.0/myorg/dashboards/{dashboardId}/tiles/{tileId}				

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
tileId	path	True	string uuid	The tile ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Tile	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles/312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b
```

Sample response

Status code: 200

JSON

```
{
  "id": "312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
  "title": "SalesMarketingTile",
  "embedUrl": "https://app.powerbi.com/embed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&tileId=312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
  "rowSpan": 0,
  "colSpan": 0,
  "reportId": "5b218778-e7a5-4d73-8187-f10824047715",
  "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
}
```

Definitions

Tile

A Power BI tile

[\[\] Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns

datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Dashboards - Get Tile In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified tile within the specified dashboard from the specified workspace.

Supported tiles include datasets and live tiles that contain an entire report page.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Titles that are edited in the report before the visual is added to the dashboard, are not returned. To return these titles, edit them in the dashboard.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/{dashboardId}/tiles/{tileId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
groupId	path	True	string	The workspace ID

			uuid
tileId	path	True	string uuid The tile ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Tile	OK

Examples

Example

Sample request

HTTP
<pre>GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles/312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b</pre>

Sample response

Status code: 200

JSON
<pre>{ "id": "312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b", "title": "SalesMarketingTile", "embedUrl": "https://app.powerbi.com/embed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&tileId=312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48", "rowSpan": 0, "colSpan": 0, "reportId": "5b218778-e7a5-4d73-8187-f10824047715", "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229" }</pre>

Definitions

Tile

A Power BI tile

[Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Dashboards - Get Tiles

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of tiles within the specified dashboard from **My workspace**.

Supported tiles include datasets and live tiles that contain an entire report page.

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Tiles that are edited in the report before the visual is added to the dashboard, are not returned. To return these titles, edit them in the dashboard.

HTTP

GET `https://api.powerbi.com/v1.0/myorg/dashboards/{dashboardId}/tiles`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Tiles	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
      "title": "SalesMarketingTile",
      "embedUrl": "https://app.powerbi.com/embed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&tileId=312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
      "rowSpan": 0,
      "colSpan": 0,
      "reportId": "5b218778-e7a5-4d73-8187-f10824047715",
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ]
}
```

Definitions

 Expand table

Name	Description
Tile	A Power BI tile
Tiles	The OData response wrapper for a Power BI tile collection

Tile

A Power BI tile

[\[\] Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Tiles

The OData response wrapper for a Power BI tile collection

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Tile[]	The tile collection

Dashboards - Get Tiles In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of tiles within the specified dashboard from the specified workspace.

Supported tiles include datasets and live tiles that contain an entire report page.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dashboard.ReadWrite.All or Dashboard.Read.All

Limitations

Titles that are edited in the report before the visual is added to the dashboard, are not returned. To return these titles, edit them in the dashboard.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/{dashboardId}/tiles`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
groupId	path	True	string	The workspace ID

Responses

[Expand table](#)

Name	Type	Description
200 OK	Tiles	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b",
      "title": "SalesMarketingTile",
      "embedUrl": "https://app.powerbi.com/embed?dashboardId=69ffaa6c-b36d-4d01-96f5-1ed67c64d4af&tileId=312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48",
      "rowSpan": 0,
      "colSpan": 0,
      "reportId": "5b218778-e7a5-4d73-8187-f10824047715",
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ]
}
```

Definitions

[+] [Expand table](#)

Name	Description
Tile	A Power BI tile
Tiles	The OData response wrapper for a Power BI tile collection

Tile

A Power BI tile

[+] [Expand table](#)

Name	Type	Description
colSpan	integer	The number of tile span columns
datasetId	string	The dataset ID. Available only for tiles created from a report or by using a dataset, such as Q&A tiles.
embedData	string	The embed data for the tile
embedUrl	string	The embed URL of the tile
id	string	The tile ID
reportId	string	The report ID. Available only for tiles created from a report.
rowSpan	integer	The number of tile span rows
title	string	The display name of the tile

Tiles

The OData response wrapper for a Power BI tile collection

[+] [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Tile[]	The tile collection

Dataflow Storage Accounts

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 Expand table

Get Dataflow Storage Accounts	Returns a list of dataflow storage accounts that the user has access to.
Groups	Assigns the specified workspace to the specified dataflow storage account.
AssignToDataflowStorage	

Dataflow Storage Accounts - Get Dataflow Storage Accounts

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of dataflow storage accounts that the user has access to.

Required Scope

StorageAccount.Read.All or StorageAccount.ReadWrite.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dataflowStorageAccounts
```

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataflow Storage Accounts	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/dataflowStorageAccounts
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "d692ae06-708c-485e-9987-06ff0fbdbb1f",  
      "name": "MyDataflowStorageAccount",  
      "isEnabled": true  
    }  
  ]  
}
```

Definitions

[\[\] Expand table](#)

Name	Description
DataflowStorageAccount	A Power BI dataflow storage account
DataflowStorageAccounts	OData response wrapper for Power BI dataflow storage account list

DataflowStorageAccount

A Power BI dataflow storage account

[\[\] Expand table](#)

Name	Type	Description
id	string	The Power BI dataflow storage account ID
isEnabled	boolean	Whether workspaces can be assigned to this storage account
name	string	The Power BI dataflow storage account name

DataflowStorageAccounts

OData response wrapper for Power BI dataflow storage account list

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Dataflow Storage Account[]	The Power BI dataflow storage account list

Dataflow Storage Accounts - Groups

AssignToDataflowStorage

Reference

Service: Power BI REST APIs

API Version: v1.0

Assigns the specified workspace to the specified dataflow storage account.

To perform this operation, the user must be an admin on the specified workspace and the Power BI dataflow storage account must be enabled.

To unassign the specified workspace from a Power BI dataflow storage account, provide an empty GUID (`00000000-0000-0000-0000-000000000000`) as the `dataflowStorageId`.

Required Scope

StorageAccount.ReadWrite.All and Workspace.ReadWrite.All

HTTP
<code>POST</code>
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/AssignToDataflowStorage</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>groupId</code>	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description

dataflowStorageId	True	string	The Power BI dataflow storage account ID. To unassign the specified workspace from a Power BI dataflow storage account, use an empty GUID (<code>00000000-0000-0000-0000-000000000000</code>).
-------------------	------	--------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/AssignToDataflowStorage
```

Request Body

JSON

```
{  
  "dataflowStorageId": "d692ae06-708c-485e-9987-06ff0fbdbb1f"  
}
```

Sample response

Status code: 200

Definitions

AssignToDataflowStorageRequest

A Power BI assign to dataflow storage account request

[\[\]](#) Expand table

Name	Type	Description
dataflowStorageId	string	The Power BI dataflow storage account ID. To unassign the specified workspace from a Power BI dataflow storage account, use an empty GUID (00000000-0000-0000-0000-000000000000).

Dataflows

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Cancel Dataflow Transaction	Attempts to cancel the specified transactions.
Delete Dataflow	Deletes a dataflow from Power BI data prep storage, including its definition file and model.
Get Dataflow	Exports the specified dataflow definition to a JSON file.
Get Dataflow Data Sources	Returns a list of data sources for the specified dataflow.
Get Dataflows	Returns a list of all dataflows from the specified workspace.
Get Dataflow Transactions	Returns a list of transactions for the specified dataflow.
Get Upstream Dataflows In Group	Returns a list of upstream dataflows for the specified dataflow.
Refresh Dataflow	Triggers a refresh for the specified dataflow.
Update Dataflow	Updates dataflow properties, capabilities and settings.
Update Refresh Schedule	Creates or updates the refresh schedule for a specified dataflow.

Dataflows - Cancel Dataflow Transaction

Reference

Service: Power BI REST APIs

API Version: v1.0

Attempts to cancel the specified transactions.

Required Scope

Dataflow.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/transactions/{transactionId}/cancel`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
transactionId	path	True	string uuid	The transaction ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataflow Transaction Status	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/51e47fc5-48fd-4826-89f0-021111110abd/dataflows/transactions/2020-09-11T19:21:52.8778432Z@9cc7a369-6112-4dba-97b6-b07ff5699568$1374282/cancel
```

Sample response

Status code: 200

JSON

```
{  
  "transactionId": "2020-09-11T19:21:52.8778432Z@9cc7a369-6112-4dba-97b6-b07ff5699568$1374282",  
  "status": "SuccessfullyMarked"  
}
```

Definitions

DataflowTransactionStatus

The status of a dataflow refresh transaction

[+] Expand table

Name	Type	Description
status	enum: already Concluded invalid notFound successfully Marked	The transaction status
transactionId	string	The transaction ID

Dataflows - Delete Dataflow

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes a dataflow from Power BI data prep storage, including its definition file and model.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataflow.ReadWrite.All

HTTP

DELETE
`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dataflowId	path	True	string uuid	The dataflow ID
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/51e47fc5-48fd-4826-89f0-021bd3a80abd/dataflows/928228ba-008d-4fd9-864a-92d2752ee5ce
```

Sample response

Status code: 200

Dataflows - Get Dataflow

Reference

Service: Power BI REST APIs

API Version: v1.0

Exports the specified dataflow definition to a JSON file.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataflow.ReadWrite.All or Dataflow.Read.All

HTTP
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dataflowId	path	True	string uuid	The dataflow ID
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description

200 OK

file

Exported Json file

Dataflows - Get Dataflow Data Sources

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources for the specified dataflow.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataflow.ReadWrite.All or Dataflow.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}/datasources</code>

URI Parameters

[\[\] Expand table](#)

Name	In	Required	Type	Description
<code>dataflowId</code>	path	True	string uuid	The dataflow ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/51e47fc5-48fd-4826-89f0-021bd3a80abd/dataflows/928228ba-008d-4fd9-864a-92d2752ee5ce/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceType": "Sql",
      "datasourceId": "16a54ccd-620d-4af3-9197-0b8c779a9a6d",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
      "connectionDetails": {
        "server": "MyServer.database.windows.net",
        "database": "MyDatabase"
      }
    },
    {
      "datasourceType": "OData",
      "connectionDetails": {
        "url": "https://services.odata.org/V4/Northwind/Northwind.svc"
      },
      "datasourceId": "16a54ccd-620d-4af3-9197-0b8c779a9a6d",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674"
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
Datasource	A Power BI data source
DatasourceConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
Datasources	The OData response wrapper for a Power BI data source collection

Datasource

A Power BI data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[\[+\] Expand table](#)

Name	Type	Description
------	------	-------------

account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

Datasources

The OData response wrapper for a Power BI data source collection

[Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Datasource[]	The data source collection

Dataflows - Get Dataflow Transactions

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of transactions for the specified dataflow.

Required Scope

Dataflow.ReadWrite.All or Dataflow.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}/transactions`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dataflowId	path	True	string uuid	The dataflow ID
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataflow Transactions	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/51e47fc5-48fd-4826-89f0-021bd3a80abd/dataflows/928228ba-008d-4fd9-864a-92d2752ee5ce/transactions
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://someserver.analysis.windows.net/v1.0/myorg/groups/98674fdf-baab-45e1-a04a-c17ab378dce1/$metadata#transactions",
  "value": [
    {
      "id": "2020-08-27T16:07:47.2487692Z@8dbd8c92-4d16-4947-8329-4172f04f4f93$2"
    },
    {
      "id": "2020-08-26T16:40:55.0968787Z@e3eed4d-5b1a-4bb9-8b5b-dff1cd371109$1",
      "refreshType": "OnDemand"
    }
  ]
}
```

Definitions

[+] Expand table

Name	Description
DataflowTransaction	A Power BI dataflow transaction
DataflowTransactions	Odata response wrapper for dataflow transactions

DataflowTransaction

A Power BI dataflow transaction

[Expand table](#)

Name	Type	Description
endTime	string	The end time of the transaction
id	string	The transaction ID
refreshType	string	The type of refresh transaction
startTime	string	The start time of the transaction
status	string	The status of the transaction

DataflowTransactions

Odata response wrapper for dataflow transactions

[Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Dataflow Transaction[]	The dataflow transactions

Dataflows - Get Dataflows

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of all dataflows from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataflow.ReadWrite.All or Dataflow.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataflows	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/a2f89923-421a-464e-bf4c-25eab39bb09f/dataflows
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "objectId": "bd32e5c0-363f-430b-a03b-5535a4804b9b",
      "name": "AdventureWorks",
      "description": "Our Adventure Works",
      "modelUrl":
      "https://MyDataflowStorageAccount.dfs.core.windows.net/powerbi/contoso/AdventureWorks/model.json"
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Dataflow	The metadata of a dataflow. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.
Dataflows	OData response wrapper for a dataflow metadata list
DataflowUser	A Power BI user access right entry for a dataflow

DataflowUser	The access right that a user has for the dataflow (permission level)
AccessRight	
PrincipalType	The principal type

Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
-------------------------------------------	--------------------------------------------------------------------------------------------------------------------

Dataflow

The metadata of a dataflow. Below is a list of properties that may be returned for a dataflow. Only a subset of the properties will be returned depending on the API called, the caller permissions and the availability of the data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
configuredBy	string	The dataflow owner
description	string	The dataflow description
modelUrl	string	A URL to the dataflow definition file (model.json)
modifiedBy	string	The user that modified the dataflow
modifiedDateTime	string	The date and time that the dataflow was last modified
name	string	The dataflow name
objectId	string	The dataflow ID
users	Dataflow User[]	(Empty value) The dataflow user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI dataflow by using the Get Dataflow Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUser</code> parameter.

Dataflows

OData response wrapper for a dataflow metadata list

[+] [Expand table](#)

Name	Type	Description
odata.context	string	
value	Dataflow[]	The dataflow metadata list

DataflowUser

A Power BI user access right entry for a dataflow

[+] [Expand table](#)

Name	Type	Description
DataflowUserAccessRight	Dataflow UserAccess Right	The access right that a user has for the dataflow (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DataflowUserAccessRight

The access right that a user has for the dataflow (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to content in dataflow
Owner	string	Grants Read, Write and Reshare access to content in dataflow

Read	string	Grants Read access to content in dataflow
ReadReshare	string	Grants Read and Reshare access to content in dataflow
ReadWrite	string	Grants Read and Write access to content in dataflow

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Dataflows - Get Upstream Dataflows In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of upstream dataflows for the specified dataflow.

Permissions

This API call can be called by a service principal profile. For more information see:

[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataflow.ReadWrite.All or Dataflow.Read.All

HTTP
<p>GET <code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}/upstreamDataflows</code></p>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
<code>dataflowId</code>	path	True	string uuid	The dataflow ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Dependent Dataflows	OK

Definitions

[\[+\] Expand table](#)

Name	Description
DependentDataflow	A Power BI dependent dataflow
DependentDataflows	The OData response wrapper for a list of Power BI dependent dataflows

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

DependentDataflows

The OData response wrapper for a list of Power BI dependent dataflows

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Dependent Dataflow[]	The dependent dataflows

Dataflows - Refresh Dataflow

Reference

Service: Power BI REST APIs

API Version: v1.0

Triggers a refresh for the specified dataflow.

Supported email notification options are **MailOnFailure** and **NoNotification**.

MailOnCompletion isn't supported.

Permissions

This API call can be called by a service principal profile. For more information see:

[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataflow.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}/refreshes`

With optional parameters:

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}/refreshes?processType={processType}`

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
------	----	----------	------	-------------

dataflowId	path	True	string uuid	The dataflow ID
groupId	path	True	string uuid	The workspace ID
processType	query		string uuid	Type of refresh process to use.

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
notifyOption	True	NotifyOption	Mail notification options

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/51e47fc5-48fd-4826-89f0-021bd3a80abd/dataflows/928228ba-008d-4fd9-864a-92d2752ee5ce/refreshes?  
processType=default
```

Request Body

JSON

```
{  
  "notifyOption": "MailOnFailure"  
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
NotifyOption	Mail notification options
RefreshRequest	Power BI refresh request

NotifyOption

Mail notification options

[\[+\] Expand table](#)

Name	Type	Description
MailOnCompletion	string	A mail notification indicating success or failure will be sent on refresh completion
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

RefreshRequest

Power BI refresh request

[\[+\] Expand table](#)

Name	Type	Description
notifyOption	Notify Option	Mail notification options

Dataflows - Update Dataflow

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates dataflow properties, capabilities and settings.

Required Scope

Dataflow.ReadWrite.All

HTTP

PATCH

<https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
dataflowId	path	True	string uuid	The dataflow ID
groupId	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Type	Description
allowNativeQueries	boolean	Whether to allow native queries
computeEngineBehavior	enum: computeOptimized computeOn computeDisabled	The behavior of the compute engine

description	string	The new description for the dataflow
name	string	The new name for the dataflow

Responses

[Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/51e47fc5-48fd-4826-89f0-021bd3a80abd/dataflows/928228ba-008d-4fd9-864a-92d2752ee5ce
```

Request Body

JSON

```
{
  "name": "newDataflowName",
  "description": "New dataflow description",
  "allowNativeQueries": "false",
  "computeEngineBehavior": "computeOptimized"
}
```

Sample response

Status code: 200

Definitions

DataflowUpdateRequestMessage

A request to update dataflow information

[\[\] Expand table](#)

Name	Type	Description
allowNativeQueries	boolean	Whether to allow native queries
computeEngineBehavior	enum: compute Disabled computeOn compute Optimized	The behavior of the compute engine
description	string	The new description for the dataflow
name	string	The new name for the dataflow

Dataflows - Update Refresh Schedule

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates or updates the refresh schedule for a specified dataflow.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataflow.ReadWrite.All

HTTP
PATCH
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dataflows/{dataflowId}/refreshSchedule</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>dataflowId</code>	path	True	string uuid	The dataflow ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description
value	True	RefreshSchedule	An object that contains the details of a refresh schedule

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

[\[+\] Expand table](#)

Daily refresh schedule example
Disable refresh schedule example
Update refresh schedule times example

Daily refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dataflows/928228ba-008d-4fd9-864a-92d2752ee5ce/refreshSchedule
```

Request Body

JSON

```
{
  "value": {
    "days": [
      "Sunday",
      "Monday",
      "Tuesday",
      "Wednesday",
      "Thursday",
      "Friday",
      "Saturday"
    ]
  }
}
```

```
        "Saturday"  
    ],  
    "times": [  
        "10:00",  
        "16:00"  
    ],  
    "enabled": true,  
    "localTimeZoneId": "UTC",  
    "notifyOption": "NoNotification"  
}  
}  
}
```

Sample response

Status code: 200

Disable refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/dataflows/928228ba-008d-4fd9-864a-92d2752ee5ce/refreshSchedule
```

Request Body

JSON

```
{  
    "value": {  
        "enabled": false  
    }  
}
```

Sample response

Status code: 200

Update refresh schedule times example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-
```

Request Body

JSON

```
{
  "value": {
    "times": [
      "10:30",
      "16:30"
    ],
    "enabled": true,
    "localTimeZoneId": "UTC"
  }
}
```

Sample response

Status code: 200

Definitions[Expand table](#)

Name	Description
days	The days on which to execute the refresh
RefreshSchedule	A Power BI refresh schedule for imported model
RefreshSchedule Request	Power BI refresh schedule request
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.

days

The days on which to execute the refresh

[Expand table](#)

Name	Type	Description
Friday	string	

Monday	string
Saturday	string
Sunday	string
Thursday	string
Tuesday	string
Wednesday	string

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[[Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

RefreshScheduleRequest

Power BI refresh schedule request

[[Expand table](#)

Name	Type	Description
value	Refresh Schedule	An object that contains the details of a refresh schedule

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[+\] Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

Datasets

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 Expand table

Bind To Gateway	Binds the specified dataset from My workspace to the specified gateway, optionally with a given set of data source IDs. If you don't supply a specific data sour...
Bind To Gateway In Group	Binds the specified dataset from the specified workspace to the specified gateway, optionally with a given set of data source IDs. If you don't supply a specifi...
Cancel Refresh	Cancels the specified refresh operation for the specified dataset from My workspace .
Cancel Refresh In Group	Cancels the specified refresh operation for the specified dataset from the specified workspace.
Delete Dataset	Deletes the specified dataset from My workspace .
Delete Dataset In Group	Deletes the specified dataset from the specified workspace.
Discover Gateways	Returns a list of gateways that the specified dataset from My workspace can be bound to.
Discover Gateways In Group	Returns a list of gateways that the specified dataset from the specified workspace can be bound to.
Execute Queries	Executes Data Analysis Expressions (DAX) queries against the provided dataset. The dataset must reside in My workspace or another workspace.
Execute Queries In Group	Executes Data Analysis Expressions (DAX) queries against the provided dataset.
Get Dataset	Returns the specified dataset from My workspace .
Get Dataset In Group	Returns the specified dataset from the specified workspace.
Get Datasets	Returns a list of datasets from My workspace .
Get Datasets In Group	Returns a list of datasets from the specified workspace.

Get Dataset To Dataflows	Returns a list of upstream dataflows for datasets from the specified workspace.
Get Dataset Users	Returns a list of principals that have access to the specified dataset.
Get Dataset Users In Group	Returns a list of principals that have access to the specified dataset.
Get Datasources	Returns a list of data sources for the specified dataset from My workspace .
Get Datasources In Group	Returns a list of data sources for the specified dataset from the specified workspace.
Get Direct Query Refresh Schedule	Returns the refresh schedule for a specified DirectQuery or LiveConnection dataset from My workspace .
Get Direct Query Refresh Schedule In Group	Returns the refresh schedule for a specified DirectQuery or LiveConnection dataset from the specified workspace.
Get Gateway Datasources	Returns a list of gateway data sources for the specified dataset from My workspace .
Get Gateway Datasources In Group	Returns a list of gateway data sources for the specified dataset from the specified workspace.
Get Parameters	Returns a list of parameters for the specified dataset from My workspace .
Get Parameters In Group	Returns a list of parameters for the specified dataset from the specified workspace.
Get Query Scale Out Sync Status	Returns the query scale-out sync status for the specified dataset from My workspace .
Get Query Scale Out Sync Status In Group	Returns the query scale-out sync status for the specified dataset from the specified workspace.
Get Refresh Execution Details	Returns execution details of an enhanced refresh operation for the specified dataset from My workspace .
Get Refresh Execution Details In Group	Returns execution details of an enhanced refresh operation for the specified dataset from the specified workspace.
Get Refresh History	Returns the refresh history for the specified dataset from My workspace .
Get Refresh History In Group	Returns the refresh history for the specified dataset from the specified workspace.
Get Refresh Schedule	Returns the refresh schedule for the specified dataset from My workspace .

Get Refresh Schedule In Group	Returns the refresh schedule for the specified dataset from the specified workspace.
Post Dataset User	Grants the specified user's permissions to the specified dataset.
Post Dataset User In Group	Grants the specified user's permissions to the specified dataset.
Put Dataset User	Updates the existing dataset permissions of the specified user to the specified permissions.
Put Dataset User In Group	Updates the existing dataset permissions of the specified user to the specified permissions.
Refresh Dataset	Triggers a refresh for the specified dataset from My workspace . An enhanced refresh is triggered only if a request payload other than <code>notifyOption</code> is set.
Refresh Dataset In Group	Triggers a refresh for the specified dataset from the specified workspace. An enhanced refresh is triggered only if a request payload other than <code>notifyOption</code> is...
Set All Dataset Connections	Updates all connections for the specified dataset from My workspace . This API call only supports SQL DirectQuery datasets.
Set All Dataset Connections In Group	Updates all connections for the specified dataset from the specified workspace. This API call only supports SQL DirectQuery datasets.
Take Over In Group	Transfers ownership over the specified dataset to the current authorized user.
Trigger Query Scale Out Sync	Triggers a query scale-out sync of read-only replicas for the specified dataset from My workspace .
Trigger Query Scale Out Sync In Group	Triggers a query scale-out sync of read-only replicas for the specified dataset from the specified workspace.
Update Dataset	Updates the properties for the specified dataset from My workspace .
Update Dataset In Group	Updates the properties for the specified dataset from the specified workspace.
Update Datasources	Updates the data sources of the specified dataset from My workspace .
Update Datasources In Group	Updates the data sources of the specified dataset from the specified workspace.
Update Direct Query Refresh Schedule	Updates the refresh schedule for a specified DirectQuery or LiveConnection dataset from My workspace .

Update Direct Query Refresh Schedule In Group	Updates the refresh schedule for a specified DirectQuery or LiveConnection dataset from the specified workspace.
Update Parameters	Updates the parameters values for the specified dataset from My workspace .
Update Parameters In Group	Updates the parameters values for the specified dataset from the specified workspace.
Update Refresh Schedule	Updates the refresh schedule for the specified dataset from My workspace .
Update Refresh Schedule In Group	Updates the refresh schedule for the specified dataset from the specified workspace.

Datasets - Bind To Gateway

Reference

Service: Power BI REST APIs

API Version: v1.0

Binds the specified dataset from **My workspace** to the specified gateway, optionally with a given set of data source IDs. If you don't supply a specific data source ID, the dataset will be bound to the first matching data source in the gateway.

ⓘ Important

Add the API caller principal as a data source user on the gateway.

Required Scope

Dataset.ReadWrite.All

Limitations

Only supports the on-premises data gateway

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/Default.BindToGateway`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
gatewayObjectId	True	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
datasourceObjectIds		string[]	The unique identifiers for the data sources in the gateway

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

[\[+\] Expand table](#)

Example with 'datasourceObjectIds'

Example without 'datasourceObjectIds'

Example with 'datasourceObjectIds'

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.BindToGateway
```

Request Body

JSON

```
{
  "gatewayObjectId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
  "datasourceObjectIds": [
```

```
        "dc2f2dac-e5e2-4c37-af76-2a0bc10f16cb",  
        "3bfe5d33-ab7d-4d24-b0b5-e2bb8eb01cf5"  
    ]  
}
```

Sample response

Status code: 200

Example without 'datasourceObjectIds'

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.BindToGateway
```

Request Body

JSON

```
{  
    "gatewayObjectId": "1f69e798-5852-4fdd-ab01-33bb14b6e934"  
}
```

Sample response

Status code: 200

Definitions

BindToGatewayRequest

The bind dataset to gateway request

[+] Expand table

Name	Type	Description
datasourceObjectIds	string[]	The unique identifiers for the data sources in the gateway
gatewayObjectId	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is

similar to the gateway cluster ID.

Datasets - Bind To Gateway In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Binds the specified dataset from the specified workspace to the specified gateway, optionally with a given set of data source IDs. If you don't supply a specific data source ID, the dataset will be bound to the first matching data source in the gateway.

ⓘ Important

Add the API caller principal as a data source user on the gateway.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

Only supports the on-premises data gateway

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/Default.BindToGateway`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
------	----	----------	------	-------------

datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Request Body

[\[\] Expand table](#)

Name	Required	Type	Description
gatewayObjectId	True	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
datasourceObjectIds		string[]	The unique identifiers for the data sources in the gateway

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

[\[\] Expand table](#)

Example with 'datasourceObjectIds'
Example without 'datasourceObjectIds'

Example with 'datasourceObjectIds'

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-
```

a46fb27ff229/Default.BindToGateway

Request Body

JSON

```
{  
  "gatewayObjectId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",  
  "datasourceObjectIds": [  
    "dc2f2dac-e5e2-4c37-af76-2a0bc10f16cb",  
    "3bfe5d33-ab7d-4d24-b0b5-e2bb8eb01cf5"  
  ]  
}
```

Sample response

Status code: 200

Example without 'datasourceObjectIds'

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-  
a46fb27ff229/Default.BindToGateway
```

Request Body

JSON

```
{  
  "gatewayObjectId": "1f69e798-5852-4fdd-ab01-33bb14b6e934"  
}
```

Sample response

Status code: 200

Definitions

BindToGatewayRequest

The bind dataset to gateway request

[] [Expand table](#)

Name	Type	Description
datasourceObjectIds	string[]	The unique identifiers for the data sources in the gateway
gatewayObjectId	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.

Datasets - Cancel Refresh

Reference

Service: Power BI REST APIs

API Version: v1.0

Cancels the specified refresh operation for the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All

HTTP

DELETE

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshes/{refreshId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string uuid	The dataset ID
refreshId	path	True	string uuid	The refresh ID

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/datasets/f7fc6510-e151-42a3-850b-d0805a391db0/refreshes/87f31ef7-1e3a-4006-9b0b-191693e79e9e
```

Sample response

Status code: 200

Datasets - Cancel Refresh In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Cancels the specified refresh operation for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

HTTP

DELETE
`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/refreshes/{refreshId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string uuid	The dataset ID
groupId	path	True	string uuid	The workspace ID
refreshId	path	True	string uuid	The refresh ID

Responses

[\[\]](#) Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/fdb91b8f-0a9b-44c1-b6c0-0cb185c6ebfb/datasets/f7fc6510-e151-42a3-850b-d0805a391db0/refreshes/87f31ef7-1e3a-4006-9b0b-191693e79e9e
```

Sample response

Status code: 200

Datasets - Delete Dataset

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Sample response

Status code: 200

Datasets - Delete Dataset In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

HTTP
DELETE
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description

200 OK

OK

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Sample response

Status code: 200

Datasets - Discover Gateways

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of gateways that the specified dataset from **My workspace** can be bound to.

This API call is only relevant to datasets that have at least one on-premises connection. For datasets with cloud-only connections, this API call returns an empty list.

Required Scope

Dataset.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/Default.DiscoverGateways`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Gateways	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.DiscoverGateways
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
      "name": "ContosoGateway",
      "type": "Resource",
      "publicKey": {
        "exponent": "AQAB",
        "modulus": "o6j2....cLk="
      }
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Gateway	A Power BI gateway
GatewayPublicKey	A Power BI gateway public key
Gateways	The OData response wrapper for a list of Power BI gateways

Gateway

A Power BI gateway

[\[+\] Expand table](#)

Name	Type	Description
gatewayAnnotation	string	Gateway metadata in JSON format
gatewayStatus	string	The gateway connectivity status
id	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	The gateway name
publicKey	Gateway PublicKey	The gateway public key
type	string	The gateway type

GatewayPublicKey

A Power BI gateway public key

[\[+\] Expand table](#)

Name	Type	Description
exponent	string	The public key exponent
modulus	string	The public key modulus

Gateways

The OData response wrapper for a list of Power BI gateways

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Gateway[]	The list of gateways

Datasets - Discover Gateways In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of gateways that the specified dataset from the specified workspace can be bound to.

This API call is only relevant to datasets that have at least one on-premises connection. For datasets with cloud-only connections, this API call returns an empty list.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.Read.All

HTTP
<p>GET <code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/Default.DiscoverGateways</code></p>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Gateways	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.DiscoverGateways
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
      "name": "My_Sample_Gateway",
      "type": "Resource",
      "publicKey": {
        "exponent": "AQAB",
        "modulus": "o6j2....cLk="
      }
    }
  ]
}
```

Definitions

[\[\] Expand table](#)

Name	Description

Gateway	A Power BI gateway
GatewayPublicKey	A Power BI gateway public key
Gateways	The OData response wrapper for a list of Power BI gateways

Gateway

A Power BI gateway

[\[+\] Expand table](#)

Name	Type	Description
gatewayAnnotation	string	Gateway metadata in JSON format
gatewayStatus	string	The gateway connectivity status
id	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	The gateway name
publicKey	Gateway PublicKey	The gateway public key
type	string	The gateway type

GatewayPublicKey

A Power BI gateway public key

[\[+\] Expand table](#)

Name	Type	Description
exponent	string	The public key exponent
modulus	string	The public key modulus

Gateways

The OData response wrapper for a list of Power BI gateways

[\[\]](#) Expand table

Name	Type	Description
odata.context	string	
value	Gateway[]	The list of gateways

Datasets - Execute Queries

Reference

Service: Power BI REST APIs

API Version: v1.0

Executes Data Analysis Expressions (DAX) queries against the provided dataset. The dataset must reside in **My workspace** or another workspace.

DAX query errors will result in:

A response error, such as `DAX query failure`.

A failure HTTP status code (400).

A query that requests more than one table, or more than the allowed number of table rows, will result in:

Limited data being returned.

A response error, such as `More than one result table in a query` or `More than {allowed number} rows in a query result`.

A successful HTTP status code (200).

Columns that are fully qualified in the query will be returned with a fully qualified name, for example, `MyTable[MyColumn]`. Columns that are renamed or created in the query will be returned within square bracket, for example, `[MyNewColumn]`.

Permissions

The tenant setting **Dataset Execute Queries REST API**, found under **Integration settings**, must be enabled.

The user must have dataset read and build permissions. For more information, see [Manage dataset access permissions](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Datasets that are hosted in Azure Analysis Services or that have a live connection to an on-premises Azure Analysis Services model aren't supported.

One query per API call.

One table request per query.

Maximum of 100,000 rows or 1,000,000 values per query (whichever is hit first). For example if you query for 5 columns, you can get back max 100,000 rows. If you query for 20 columns, you can get back max 50,000 rows (1 million divided by 20). Maximum of 15MB of data per query. Once 15MB is exceeded, the current row will be completed but no additional rows will be written.

There's a limit of 120 query requests per minute per user, regardless of the dataset that's queried.

To use Service Principals, make sure the admin tenant setting [Allow service principals to use Power BI APIs](#) under *Developer settings* is enabled. However, regardless of the admin tenant setting, Service Principals aren't supported for datasets with RLS per [RLS limitations](#) or datasets with SSO enabled.

Only DAX queries are supported at this time. MDX and DMV queries are not supported.

HTTP

POST <https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/executeQueries>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Request Body

[+] Expand table

Name	Required	Type	Description
queries	True	DatasetExecuteQueriesQuery[]	The list of dataset queries to execute

impersonatedUserName	string	The UPN of a user to be impersonated. If the model is not RLS enabled, this will be ignored.
serializerSettings	DatasetExecute QueriesSerialization Settings	The serialization settings for the result set

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataset Execute Queries Response	OK

Examples

Execute queries example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/executeQueries
```

Request Body

JSON

```
{
  "queries": [
    {
      "query": "EVALUATE VALUES(MyTable)"
    }
  ],
  "serializerSettings": {
    "includeNulls": true
  },
}
```

```
        "impersonatedUserName": "someuser@mycompany.com"  
    }  
}
```

Sample response

Status code: 200

JSON

```
{  
    "results": [  
        {  
            "tables": [  
                {  
                    "rows": [  
                        {  
                            "MyTable[Year)": 2010,  
                            "MyTable[Quarter)": "Q1"  
                        },  
                        {  
                            "MyTable[Year)": 2010,  
                            "MyTable[Quarter)": "Q2"  
                        },  
                        {  
                            "MyTable[Year)": 2011,  
                            "MyTable[Quarter)": "Q1"  
                        }  
                    ]  
                }  
            ]  
        }  
    ]  
}
```

Definitions

[\[\] Expand table](#)

Name	Description
DatasetExecuteQueriesError	The details of an error, if present.
DatasetExecuteQueriesInformation ProtectionLabel	The details of the information protection label, if any, associated with the dataset.
DatasetExecuteQueriesQuery	A dataset query
DatasetExecuteQueriesQueryResult	The results from a single dataset query

DatasetExecuteQueriesRequest	A request to execute queries against a dataset
DatasetExecuteQueriesResponse	The response to a dataset execute queries request
DatasetExecuteQueriesSerializationSettings	The serialization settings for the results of a dataset query
DatasetExecuteQueriesTableResult	A table of data

DatasetExecuteQueriesError

The details of an error, if present.

[\[\] Expand table](#)

Name	Type	Description
code	string	The code associated with the error
message	string	The message of the error. If not present here, this information may also be found in details object nested under the error object.

DatasetExecuteQueriesInformationProtectionLabel

The details of the information protection label, if any, associated with the dataset.

[\[\] Expand table](#)

Name	Type	Description
id	string	The identifier (guid) of the information protection label
name	string	The display name of the information protection label

DatasetExecuteQueriesQuery

A dataset query

[\[\] Expand table](#)

Name	Type	Description
query	string	The DAX query to be executed

DatasetExecuteQueriesQueryResult

The results from a single dataset query

[+] Expand table

Name	Type	Description
error	Dataset Execute QueriesError	The details of an error, if present.
tables	Dataset Execute Queries Table Result[]	A list of tables data for a query

DatasetExecuteQueriesRequest

A request to execute queries against a dataset

[+] Expand table

Name	Type	Description
impersonatedUserName	string	The UPN of a user to be impersonated. If the model is not RLS enabled, this will be ignored.
queries	Dataset Execute Queries Query[]	The list of dataset queries to execute
serializerSettings	Dataset Execute Queries Serialization Settings	The serialization settings for the result set

DatasetExecuteQueriesResponse

The response to a dataset execute queries request

[+] Expand table

Name	Type	Description
error	Dataset Execute QueriesError	The details of an error, if present.
informationProtectionLabel	Dataset Execute Queries Information Protection Label	The details of the information protection label, if any, associated with the dataset.
results	Dataset Execute Queries Query Result[]	The list of results, one per input query.

DatasetExecuteQueriesSerializationSettings

The serialization settings for the results of a dataset query

[\[+\] Expand table](#)

Name	Type	Description
includeNulls	boolean	Whether null (blank) values should be included in the result set. If unspecified, the default value is <code>false</code> .

DatasetExecuteQueriesTableResult

A table of data

[\[+\] Expand table](#)

Name	Type	Description
error	Dataset Execute QueriesError	The details of an error, if present.
rows	object[]	A list of rows

Datasets - Execute Queries In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Executes Data Analysis Expressions (DAX) queries against the provided dataset.

DAX query errors will result in:

A response error, such as `DAX query failure`.

A failure HTTP status code (400).

A query that requests more than one table, or more than the allowed number of table rows, will result in:

Limited data being returned.

A response error, such as `More than one result table in a query` or `More than {allowed number} rows in a query result`.

A successful HTTP status code (200).

Columns that are fully qualified in the query will be returned with a fully qualified name, for example, `MyTable[MyColumn]`. Columns that are renamed or created in the query will be returned within square bracket, for example, `[MyNewColumn]`.

Permissions

The tenant setting **Dataset Execute Queries REST API**, found under **Integration settings**, must be enabled.

The user must have access to the workspace, and dataset read and build permissions. For more information, see [Manage dataset access permissions](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Datasets that are hosted in Azure Analysis Services or that have a live connection to an on-premises Azure Analysis Services model aren't supported.

One query per API call.

One table request per query.

Maximum of 100,000 rows or 1,000,000 values per query (whichever is hit first). For example if you query for 5 columns, you can get back max 100,000 rows. If you query for 20 columns, you can get back max 50,000 rows (1 million divided by 20).

Maximum of 15MB of data per query. Once 15MB is exceeded, the current row will be completed but no additional rows will be written.

There's a limit of 120 query requests per minute per user, regardless of the dataset that's queried.

To use Service Principals, make sure the admin tenant setting [Allow service principals to use Power BI APIs](#) under *Developer settings* is enabled. However, regardless of the admin tenant setting, Service Principals aren't supported for datasets with RLS per [RLS limitations](#) or datasets with SSO enabled.

Only DAX queries are supported at this time. MDX and DMV queries are not supported.

HTTP
<p>POST <code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/executeQueries</code></p>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Request Body

[+] [Expand table](#)

Name	Required	Type	Description
<code>queries</code>	True	DatasetExecute	The list of dataset queries to

	QueriesQuery[]	execute
impersonatedUserName	string	The UPN of a user to be impersonated. If the model is not RLS enabled, this will be ignored.
serializerSettings	DatasetExecute QueriesSerialization Settings	The serialization settings for the result set

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Dataset Execute Queries Response	OK

Examples

Execute queries example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/executeQueries
```

Request Body

JSON

```
{
  "queries": [
    {
      "query": "EVALUATE VALUES(MyTable)"
    }
  ],
  "serializerSettings": {
    "includeNulls": true
  },
}
```

```
        "impersonatedUserName": "someuser@mycompany.com"  
    }  
}
```

Sample response

Status code: 200

JSON

```
{  
    "results": [  
        {  
            "tables": [  
                {  
                    "rows": [  
                        {  
                            "MyTable[Year)": 2010,  
                            "MyTable[Quarter)": "Q1"  
                        },  
                        {  
                            "MyTable[Year)": 2010,  
                            "MyTable[Quarter)": "Q2"  
                        },  
                        {  
                            "MyTable[Year)": 2011,  
                            "MyTable[Quarter)": "Q1"  
                        }  
                    ]  
                }  
            ]  
        }  
    ]  
}
```

Definitions

[\[\] Expand table](#)

Name	Description
DatasetExecuteQueriesError	The details of an error, if present.
DatasetExecuteQueriesInformation ProtectionLabel	The details of the information protection label, if any, associated with the dataset.
DatasetExecuteQueriesQuery	A dataset query
DatasetExecuteQueriesQueryResult	The results from a single dataset query

DatasetExecuteQueriesRequest	A request to execute queries against a dataset
DatasetExecuteQueriesResponse	The response to a dataset execute queries request
DatasetExecuteQueriesSerializationSettings	The serialization settings for the results of a dataset query
DatasetExecuteQueriesTableResult	A table of data

DatasetExecuteQueriesError

The details of an error, if present.

[\[\] Expand table](#)

Name	Type	Description
code	string	The code associated with the error
message	string	The message of the error. If not present here, this information may also be found in details object nested under the error object.

DatasetExecuteQueriesInformationProtectionLabel

The details of the information protection label, if any, associated with the dataset.

[\[\] Expand table](#)

Name	Type	Description
id	string	The identifier (guid) of the information protection label
name	string	The display name of the information protection label

DatasetExecuteQueriesQuery

A dataset query

[\[\] Expand table](#)

Name	Type	Description
query	string	The DAX query to be executed

DatasetExecuteQueriesQueryResult

The results from a single dataset query

[+] Expand table

Name	Type	Description
error	Dataset Execute QueriesError	The details of an error, if present.
tables	Dataset Execute Queries Table Result[]	A list of tables data for a query

DatasetExecuteQueriesRequest

A request to execute queries against a dataset

[+] Expand table

Name	Type	Description
impersonatedUserName	string	The UPN of a user to be impersonated. If the model is not RLS enabled, this will be ignored.
queries	Dataset Execute Queries Query[]	The list of dataset queries to execute
serializerSettings	Dataset Execute Queries Serialization Settings	The serialization settings for the result set

DatasetExecuteQueriesResponse

The response to a dataset execute queries request

[+] Expand table

Name	Type	Description
error	Dataset Execute QueriesError	The details of an error, if present.
informationProtectionLabel	Dataset Execute Queries Information Protection Label	The details of the information protection label, if any, associated with the dataset.
results	Dataset Execute Queries Query Result[]	The list of results, one per input query.

DatasetExecuteQueriesSerializationSettings

The serialization settings for the results of a dataset query

[\[+\] Expand table](#)

Name	Type	Description
includeNulls	boolean	Whether null (blank) values should be included in the result set. If unspecified, the default value is <code>false</code> .

DatasetExecuteQueriesTableResult

A table of data

[\[+\] Expand table](#)

Name	Type	Description
error	Dataset Execute QueriesError	The details of an error, if present.
rows	object[]	A list of rows

Datasets - Get Dataset

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Dataset	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Sample response

Status code: 200

JSON

```
{  
  "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
  "name": "SalesMarketing",  
  "addRowsAPIEnabled": false,  
  "configuredBy": "john@contoso.com",  
  "isRefreshable": true,  
  "isEffectiveIdentityRequired": true,  
  "isEffectiveIdentityRolesRequired": true,  
  "isOnPremGatewayRequired": false  
}
```

Definitions

[+] Expand table

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
PrincipalType	The principal type

ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
--------------------------------	--------------------------------------------------------------------------------------------------------------------

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner

description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description

datasetUserAccessRight	DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\]](#) [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset

ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset
-------------------------	--------	-------------------------------------------------------------------------------

DependentDataflow

A Power BI dependent dataflow

[+] [Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[+] [Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[+] [Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Datasets - Get Dataset In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataset	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Sample response

Status code: 200

JSON

```
{
  "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
  "name": "SalesMarketing",
  "addRowsAPIEnabled": false,
  "configuredBy": "john@contoso.com",
  "isRefreshable": true,
  "isEffectiveIdentityRequired": true,
  "isEffectiveIdentityRolesRequired": true,
  "isOnPremGatewayRequired": false,
  "targetStorageMode": "Abf"
}
```

Definitions

[Expand table](#)

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)

Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[\] Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery'

		and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] Expand table

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset

ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the

		encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Datasets - Get Dataset To Dataflows Links In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of upstream dataflows for datasets from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP
<p>GET <code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/upstreamDataflows</code></p>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
------	------	-------------

200 OK	Dataset	OK
	ToDataflow	
	Links	
	Response	

Definitions

[\[\]](#) [Expand table](#)

Name	Description
DatasetToDataflowLinkResponse	A Power BI dataset to dataflow link
DatasetToDataflowLinksResponse	The OData response wrapper for a list of Power BI dataset to dataflow links

DatasetToDataflowLinkResponse

A Power BI dataset to dataflow link

[\[\]](#) [Expand table](#)

Name	Type	Description
dataflowObjectId	string	The dataflow object ID
datasetObjectId	string	The dataset object ID
workspaceObjectId	string	The workspace object ID

DatasetToDataflowLinksResponse

The OData response wrapper for a list of Power BI dataset to dataflow links

[\[\]](#) [Expand table](#)

Name	Type	Description
odata.context	string	
value	Dataset ToDataflow	The dataset to dataflow links

[Link](#)
[Response\[\]](#)

Datasets - Get Dataset Users

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of principals that have access to the specified dataset.

When user permissions to a dataset have been recently updated, the new permissions might not be immediately available through API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

Permissions

The permissions for this API call are listed in [Datasets permissions](#).

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

Limitations

Caller must have ReadWriteReshare permissions on the dataset. That is, folder admins, members and contributors with Reshare permissions, or dataset owners.

HTTP

GET `https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/users`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[] Expand table

Name	Type	Description
200 OK	Dataset UsersAccess	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "identifier": "john@contoso.com",
      "principalType": "User",
      "datasetUserAccessRight": "Read"
    },
    {
      "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",
      "principalType": "Group",
      "datasetUserAccessRight": "ReadReshare"
    },
    {
      "identifier": "3d9b93c6-7b6d-4801-a491-1738910904fd",
      "principalType": "App",
      "datasetUserAccessRight": "ReadWriteReshareExplore"
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
DatasetUserAccess	A Power BI principal access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
DatasetUsersAccess	The OData response wrapper for a list of Power BI principals with access to a dataset
PrincipalType	The principal type

DatasetUserAccess

A Power BI principal access right entry for a dataset

[\[+\] Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access rights to assign to the user for the dataset (permission level)
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the object ID of the principal.
principalType	PrincipalType	The principal type

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the

		dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DatasetUsersAccess

The OData response wrapper for a list of Power BI principals with access to a dataset

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	DatasetUser Access[]	The list of users with access to a dataset

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Datasets - Get Dataset Users In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of principals that have access to the specified dataset.

When user permissions to a dataset have been recently updated, the new permissions might not be immediately available through API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

Permissions

The permissions for this API call are listed in [Datasets permissions](#).

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

Limitations

Caller must have ReadWriteReshare permissions on the dataset. That is, folder admins, members and contributors with Reshare permissions, or dataset owners.

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/users</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string	The workspace ID

Responses

[Expand table](#)

Name	Type	Description
200 OK	Dataset	OK UsersAccess

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "identifier": "john@contoso.com",
      "principalType": "User",
      "datasetUserAccessRight": "Read"
    },
    {
      "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",
      "principalType": "Group",
      "datasetUserAccessRight": "ReadReshare"
    },
    {
      "identifier": "3d9b93c6-7b6d-4801-a491-1738910904fd",
      "principalType": "App",
      "datasetUserAccessRight": "ReadWriteReshareExplore"
    }
  ]
}
```

```
]  
}
```

Definitions

[] Expand table

Name	Description
DatasetUserAccess	A Power BI principal access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
DatasetUsersAccess	The OData response wrapper for a list of Power BI principals with access to a dataset
PrincipalType	The principal type

DatasetUserAccess

A Power BI principal access right entry for a dataset

[] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access rights to assign to the user for the dataset (permission level)
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the object ID of the principal.
principalType	PrincipalType	The principal type

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[] Expand table

Name	Type	Description
------	------	-------------

None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DatasetUsersAccess

The OData response wrapper for a list of Power BI principals with access to a dataset

[+] [Expand table](#)

Name	Type	Description
odata.context	string	
value	DatasetUser Access[]	The list of users with access to a dataset

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type

Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Datasets - Get Datasets

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of datasets from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets
```

Responses

 [Expand table](#)

Name	Type	Description
200 OK	Datasets	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "addRowsAPIEnabled": false,
      "configuredBy": "john@contoso.com",
      "isRefreshable": true,
      "isEffectiveIdentityRequired": false,
      "isEffectiveIdentityRolesRequired": false,
      "isOnPremGatewayRequired": false
    }
  ]
}
```

Definitions

[Expand table](#)

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
Datasets	A dataset OData list wrapper
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
PrincipalType	The principal type
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name

queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow []	The list of all the dataflows this item depends on
users	Dataset User []	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

Datasets

A dataset OData list wrapper

[+] [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Dataset []	The datasets

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset

ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the

		encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Datasets - Get Datasets In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of datasets from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Datasets	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "addRowsAPIEnabled": false,
      "configuredBy": "john@contoso.com",
      "isRefreshable": true,
      "isEffectiveIdentityRequired": false,
      "isEffectiveIdentityRolesRequired": false,
      "isOnPremGatewayRequired": false
    }
  ]
}
```

Definitions

 Expand table

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
Datasets	A dataset OData list wrapper

DatasetUser	A Power BI user access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
DependentDataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway

IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] Expand table

Name	Type	Description

autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

Datasets

A dataset OData list wrapper

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Dataset[]	The datasets

DatasetUser

A Power BI user access right entry for a dataset

[\[+\] Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] Expand table

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[+] Expand table

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Datasets - Get Datasources

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources for the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Datasources	OK

Examples

[+] Expand table

Analysis Services example
Azure Blobs datasource example

[Excel example](#)

[Extension datasource example](#)

[Microsoft Exchange datasource example](#)

[OData example](#)

[Oracle example](#)

[Salesforce datasource example](#)

[SAP HANA example](#)

[SharePoint example](#)

[SQL example](#)

Analysis Services example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://api.powerbi.com/v1.0/myorg/groups/222f0f33-3abc-4a57-9f98-ff01bd2aaabb/$metadata#datasources",
  "value": [
    {
      "datasourceType": "AnalysisServices",
      "connectionDetails": {
        "server": "My-As-Server",
        "database": "My-As-Database"
      },
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
    }
  ]
}
```

Azure Blobs datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceType": "AzureBlobs",
      "datasourceId": "e0315274-90b6-4fc0-abf2-2d60d448cb04",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
      "connectionDetails": {
        "account": "myAccount",
        "domain": "blob.core.windows.net"
      }
    }
  ]
}
```

Excel example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://api.powerbi.com/v1.0/myorg/groups/222f0f33-3abc-4a57-9f98-ff01bd2aaabb/$metadata#datasources",
  "value": [
    {
      "
```

```
        "datasourceType": "File",
        "connectionDetails": {
            "path": "c:\\users\\\\username\\documents\\orders1.xlsx"
        },
        "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",
        "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
    }
]
}
```

Extension datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "datasourceType": "Extension",
            "datasourceId": "70540d95-4c8e-41ae-88c6-27a103b12841",
            "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
            "connectionDetails": {
                "kind": "AzureDataExplorer",
                "path": "https://myserver.kusto.windows.net"
            }
        }
    ]
}
```

Microsoft Exchange datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "datasourceType": "Exchange",  
      "datasourceId": "4d126fc8-1568-46aa-ba16-ccf19b18f012",  
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",  
      "connectionDetails": {  
        "emailAddress": "john@contoso.com"  
      }  
    }  
  ]  
}
```

OData example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{  
  "@odata.context": "http://api.powerbi.com/v1.0/myorg/groups/222f0f33-3abc-  
4a57-9f98-ff01bd2aaabb/$metadata#datasources",  
  "value": [  
    {  
      "datasourceType": "OData",  
      "connectionDetails": {  
        "url": "http://services.odata.org/MyOdata/MyOdata.svc"  
      },  
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",  
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"  
    }  
  ]  
}
```

Oracle example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://api.powerbi.com/v1.0/myorg/groups/222f0f33-3abc-4a57-9f98-ff01bd2aaabb/$metadata#datasources",
  "value": [
    {
      "datasourceType": "Oracle",
      "connectionDetails": {
        "server": "My-Oracle-Server",
        "database": "My-Oracle-Database"
      },
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
    }
  ]
}
```

Salesforce datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "
```

```
        "datasourceType": "Salesforce",
        "datasourceId": "e8a6e0f5-b244-402a-ba5a-4d578609ede3",
        "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
        "connectionDetails": {
            "classInfo": "report-detail",
            "loginServer": "https://login.salesforce.com/"
        }
    }
]
```

SAP HANA example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{
    "@odata.context": "http://api.powerbi.com/v1.0/myorg/groups/222f0f33-3abc-
4a57-9f98-ff01bd2aaabb/$metadata#datasources",
    "value": [
        {
            "datasourceType": "SAPHana",
            "connectionDetails": {
                "server": "My-SapHana-Server",
                "database": "My-SapHana-Database"
            },
            "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",
            "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
        }
    ]
}
```

SharePoint example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{  
    "@odata.context": "http://api.powerbi.com/v1.0/myorg/groups/222f0f33-3abc-  
4a57-9f98-ff01bd2aaabb/$metadata#datasources",  
    "value": [  
        {  
            "datasourceType": "SharePointList",  
            "connectionDetails": {  
                "url": "https://microsoft.sharepoint.com/hello/myproj/"  
            },  
            "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",  
            "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"  
        }  
    ]  
}
```

SQL example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/datasources
```

Sample response

Status code: 200

JSON

```
{  
    "@odata.context": "http://api.powerbi.com/v1.0/myorg/groups/222f0f33-3abc-  
4a57-9f98-ff01bd2aaabb/$metadata#datasources",  
    "value": [  
        {  
            "datasourceType": "Sql",  
            "connectionDetails": {  
                "server": "My-As-Server",  
                "database": "My-As-Database"  
            },  
            "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",  
            "name": "SharePointList",  
            "type": "SharePointList"  
        }  
    ]  
}
```

```

        "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
    }
]
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
Datasource	A Power BI data source
DatasourceConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
Datasources	The OData response wrapper for a Power BI data source collection

Datasource

A Power BI data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceld	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[+] Expand table

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

Datasources

The OData response wrapper for a Power BI data source collection

[+] Expand table

Name	Type	Description
odata.context	string	OData context
value	Datasource[]	The data source collection

Datasets - Get Datasources In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/datasources</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[\[+\] Expand table](#)

Name	Type	Description

200 OK

Datasources OK

Examples

[] [Expand table](#)

[Analysis Services example](#)

[Azure Blobs datasource example](#)

[Excel example](#)

[Extension datasource example](#)

[Microsoft Exchange datasource example](#)

[OData example](#)

[Oracle example](#)

[Salesforce datasource example](#)

[SAP HANA example](#)

[SharePoint example](#)

[SQL example](#)

Analysis Services example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceType": "AnalysisServices",
```

```
        "connectionDetails": {
            "server": "My-As-Server",
            "database": "My-As-Database"
        },
        "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",
        "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
    }
]
```

Azure Blobs datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "datasourceType": "AzureBlobs",
            "datasourceId": "e0315274-90b6-4fc0-abf2-2d60d448cb04",
            "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
            "connectionDetails": {
                "account": "myAccount",
                "domain": "blob.core.windows.net"
            }
        }
    ]
}
```

Excel example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "datasourceType": "File",  
      "connectionDetails": {  
        "path": "c:\\users\\\\username\\documents\\\\orders1.xlsx"  
      },  
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",  
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"  
    }  
  ]  
}
```

Extension datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "datasourceType": "Extension",  
      "datasourceId": "70540d95-4c8e-41ae-88c6-27a103b12841",  
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",  
      "connectionDetails": {  
        "kind": "AzureDataExplorer",  
        "path": "https://myserver.kusto.windows.net"  
      }  
    }  
  ]  
}
```

```
]  
}
```

Microsoft Exchange datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{  
    "value": [  
        {  
            "datasourceType": "Exchange",  
            "datasourceId": "4d126fc8-1568-46aa-ba16-ccf19b18f012",  
            "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",  
            "connectionDetails": {  
                "emailAddress": "john@contoso.com"  
            }  
        }  
    ]  
}
```

OData example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "datasourceType": "OData",  
      "connectionDetails": {  
        "url": "http://services.odata.org/MyOdata/MyOdata.svc"  
      },  
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbf18aaaf5",  
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"  
    }  
  ]  
}
```

Oracle example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "datasourceType": "Oracle",  
      "connectionDetails": {  
        "server": "My-Oracle-Server",  
        "database": "My-Oracle-Database"  
      },  
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbf18aaaf5",  
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"  
    }  
  ]  
}
```

Salesforce datasource example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceType": "Salesforce",
      "datasourceId": "e8a6e0f5-b244-402a-ba5a-4d578609ede3",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
      "connectionDetails": {
        "classInfo": "report-detail",
        "loginServer": "https://login.salesforce.com/"
      }
    }
  ]
}
```

SAP HANA example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceType": "SAPHana",
      "connectionDetails": {
        "server": "My-SapHana-Server",
        "database": "My-SapHana-Database"
      },
    }
  ]
}
```

```
        "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",
        "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
    }
]
```

SharePoint example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceType": "SharePointList",
      "connectionDetails": {
        "url": "https://microsoft.sharepoint.com/Hello/myproj/"
      },
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"
    }
  ]
}
```

SQL example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "datasourceType": "Sql",  
      "connectionDetails": {  
        "server": "My-As-Server",  
        "database": "My-As-Database"  
      },  
      "datasourceId": "33cc5222-3fb9-44f7-b19d-ffbff18aaaf5",  
      "gatewayId": "0a2dafe6-0e93-4120-8d2c-fae123c111b1"  
    }  
  ]  
}
```

Definitions

[\[\] Expand table](#)

Name	Description
Datasource	A Power BI data source
DatasourceConnection Details	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
Datasources	The OData response wrapper for a Power BI data source collection

Datasource

A Power BI data source

[\[\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway

datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[\[+\] Expand table](#)

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

Datasources

The OData response wrapper for a Power BI data source collection

[\[+\] Expand table](#)

Name	Type	Description

odata.context	string	OData context
value	Datasource[]	The data source collection

Datasets - Get Direct Query Refresh Schedule

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the refresh schedule for a specified [DirectQuery](#) or [LiveConnection](#) dataset from [My workspace](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/directQueryRefreshSchedule`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	DirectQuery Refresh Schedule	OK

Examples

 Expand table

Days and times schedule example

Frequency schedule example

Days and times schedule example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Sample response

Status code: 200

JSON

```
{
  "days": [
    "Sunday",
    "Friday",
    "Saturday"
  ],
  "times": [
    "05:00",
    "11:30",
    "17:30",
    "23:00"
  ],
  "localTimeZoneId": "UTC"
}
```

Frequency schedule example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Sample response

Status code: 200

JSON

```
{  
  "frequency": 15,  
  "days": [],  
  "times": [],  
  "localTimeZoneId": "UTC"  
}
```

Definitions

[+] Expand table

Name	Description
days	The days on which to execute the refresh
DirectQuery RefreshSchedule	A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.

days

The days on which to execute the refresh

[+] Expand table

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	

Tuesday	string
Wednesday	string

DirectQueryRefreshSchedule

A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.

[Expand table](#)

Name	Type	Description
days	days[]	The days on which to execute the refresh
frequency	integer	The interval in minutes between successive refreshes. Supported values are 15, 30, 60, 120, and 180.
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info
times	string[]	The times of day to execute the refresh

Datasets - Get Direct Query Refresh Schedule In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the refresh schedule for a specified [DirectQuery](#) or [LiveConnection](#) dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/directQueryRefreshSchedule</code>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[\[\]](#) Expand table

Name	Type	Description
200 OK	DirectQuery	OK Refresh Schedule

Examples

[\[\]](#) Expand table

Days and times schedule example
Frequency schedule example

Days and times schedule example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Sample response

Status code: 200

JSON

```
{
  "days": [
    "Sunday",
    "Friday",
    "Saturday"
  ],
  "times": [
    "05:00",
    "11:30",
    "17:30",
    "23:00"
  ],
  "localTimeKeyId": "UTC"
}
```

Frequency schedule example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Sample response

Status code: 200

JSON

```
{
  "frequency": 15,
  "days": [],
  "times": [],
  "localTimeZoneId": "UTC"
}
```

Definitions

[+] Expand table

Name	Description
days	The days on which to execute the refresh
DirectQuery RefreshSchedule	A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.

days

The days on which to execute the refresh

[+] Expand table

Name	Type	Description
Friday	string	
Monday	string	

Saturday	string
Sunday	string
Thursday	string
Tuesday	string
Wednesday	string

DirectQueryRefreshSchedule

A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.

[+] [Expand table](#)

Name	Type	Description
days	days[]	The days on which to execute the refresh
frequency	integer	The interval in minutes between successive refreshes. Supported values are 15, 30, 60, 120, and 180.
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info
times	string[]	The times of day to execute the refresh

Datasets - Get Gateway Datasources

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of gateway data sources for the specified dataset from **My workspace**.

ⓘ Important

This API call is deprecated, use [Get Datasources](#) instead.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/Default.GetBoundGatewayDatasources`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Gateway Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.GetBoundGatewayDatasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "16a54ccd-620d-4af3-9197-0b8c779a9a6d",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
      "datasourceType": "Sql",
      "connectionDetails": "
{\\"server\\":\\"MyServer.database.windows.net\\",\\"database\\":\\"MyDatabase\\"}"
    }
  ]
}
```

Definitions

 Expand table

Name	Description
credentialType	The type of data source credential
GatewayDatasource	A Power BI gateway data source
GatewayDatasourceCredential Details	The data source credential details
GatewayDatasources	The OData response wrapper for a Power BI gateway data source collection

credentialType

The type of data source [credential](#)

[+] [Expand table](#)

Name	Type	Description
Anonymous	string	
Basic	string	
Key	string	
OAuth2	string	
SAS	string	
Windows	string	

GatewayDatasource

A Power BI gateway data source

[+] [Expand table](#)

Name	Type	Description
connectionDetails	string	Connection details in JSON format
credentialDetails	Gateway Datasource Credential Details	The connection details for the data source that needs update. The connection details are mandatory when the dataset has more than one data source.
credentialType	credential Type	The type of data source credential
datasourceName	string	The name of the data source
datasourceType	string	The type of data source .

[+] [Expand table](#)

API name for the data source	ActiveDirectory	AdobeAnalytics	AdoDotNet

API name for the data source		
AnalysisServices	AzureBlobs	AzureDataLakeStorage
AzureMarketplace	AzureTables	BizTalk
CDPA	CustomConnector	CustomHttpApi
DB2	Essbase	EventHub
Excel	Exchange	Extension
Facebook	File	Folder
GoogleAnalytics	Hdfs	HDInsight
Informix	MQ	MySql
OData	ODBC	OleDb
Oracle	PostgreSql	PowerQueryMashup
PubNub	Salesforce	SAPBW
SAPBWMessageServer	SapErp	SAPHana
SharePoint	SharePointDocLib	SharePointList
Sql	Sybase	Teradata
UIFlow	Web	
gatewayId	string	The associated gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
id	string	The unique ID for the data source

GatewayDatasourceCredentialDetails

The data source credential details

[\[\] Expand table](#)

Name	Type	Description
useEndUserOAuth2Credentials	boolean	Whether the end-user Azure AD identity (OAuth 2.0 credentials) is used when connecting to the

data source in DirectQuery mode. Use with data sources that support [single sign-on \(SSO\)](#).

GatewayDatasources

The OData response wrapper for a Power BI gateway data source collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Gateway Datasource[]	The list of gateway data sources

Datasets - Get Gateway Datasources In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of gateway data sources for the specified dataset from the specified workspace.

ⓘ Important

This API call is deprecated, use [Get Datasources In Group](#) instead.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/Default.GetBoundGatewayDatasources`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Gateway Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.GetBoundGatewayDatasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "16a54ccd-620d-4af3-9197-0b8c779a9a6d",
      "gatewayId": "7f1c4e55-544b-403f-b132-da0d3a024674",
      "datasourceType": "Sql",
      "connectionDetails": "
        {\\"server\\":\\"MyServer.database.windows.net\\",\\"database\\":\\"MyDatabase\\"}"
    }
  ]
}
```

Definitions

[+] Expand table

Name	Description
credentialType	The type of data source credential
GatewayDatasource	A Power BI gateway data source

GatewayDatasourceCredentialDetails	The data source credential details
GatewayDatasources	The OData response wrapper for a Power BI gateway data source collection

credentialType

The type of data source [credential](#)

[+] [Expand table](#)

Name	Type	Description
Anonymous	string	
Basic	string	
Key	string	
OAuth2	string	
SAS	string	
Windows	string	

GatewayDatasource

A Power BI gateway data source

[+] [Expand table](#)

Name	Type	Description
connectionDetails	string	Connection details in JSON format
credentialDetails	Gateway Datasource Credential Details	The connection details for the data source that needs update. The connection details are mandatory when the dataset has more than one data source.
credentialType	credential Type	The type of data source credential
datasourceName	string	The name of the data source
datasourceType	string	The type of data source .

[\[+\] Expand table](#)

API name for the data source		
ActiveDirectory	AdobeAnalytics	AdoDotNet
AnalysisServices	AzureBlobs	AzureDataLakeStorage
AzureMarketplace	AzureTables	BizTalk
CDPA	CustomConnector	CustomHttpApi
DB2	Essbase	EventHub
Excel	Exchange	Extension
Facebook	File	Folder
GoogleAnalytics	Hdfs	HDInsight
Informix	MQ	MySql
OData	ODBC	OleDb
Oracle	PostgreSql	PowerQueryMashup
PubNub	Salesforce	SAPBW
SAPBWMessageserver	SapErp	SAPHana
SharePoint	SharePointDocLib	SharePointList
Sql	Sybase	Teradata
UIFlow	Web	

gatewayId	string	The associated gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
id	string	The unique ID for the data source

GatewayDatasourceCredentialDetails

The data source credential details

[\[+\] Expand table](#)

Name	Type	Description

useEndUserOAuth2Credentials	boolean	Whether the end-user Azure AD identity (OAuth 2.0 credentials) is used when connecting to the data source in DirectQuery mode. Use with data sources that support single sign-on (SSO) .
-----------------------------	---------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

GatewayDatasources

The OData response wrapper for a Power BI gateway data source collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Gateway Datasource[]	The list of gateway data sources

Datasets - Get Parameters

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of parameters for the specified dataset from **My workspace**.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

Limitations

Datasets with SQL, Oracle, Teradata, and SAP HANA [DirectQuery](#) connections aren't supported.

Datasets created or modified using the public [XMLA endpoint](#) aren't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/parameters
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Mashup Parameters	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/parameters
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "name": "ServerName",
      "type": "Text",
      "isRequired": true,
      "currentValue": "MyTest.database.windows.net"
    },
    {
      "name": "DatabaseName",
      "type": "Text",
      "isRequired": true,
      "currentValue": "MyTestDB"
    },
    {
      "name": "FromDate",
      "type": "DateTime",
      "isRequired": true,
      "currentValue": "2/8/2002 12:00:00 AM"
    },
    {
      "name": "FilterBlanks",
      "type": "Logical",
      "isRequired": true,
      "currentValue": "TRUE"
    },
    {
      "name": "MaxId",
      "type": "Number",
      "isRequired": true,
      "currentValue": "77"
    }
  ]
}
```

```

        "name": "AnyParam",
        "type": "Any",
        "isRequired": true,
        "currentValue": "uu63"
    }
]
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
MashupParameter	A Power BI dataset parameter
MashupParameters	The OData response wrapper for a list of Power BI dataset parameters

MashupParameter

A Power BI dataset parameter

[\[+\] Expand table](#)

Name	Type	Description
currentValue	string	The current value of the parameter
isRequired	boolean	Whether the dataset parameter is required
name	string	The parameter name
suggestedValues	string[]	A list of suggested parameter values
type	string	The parameter type

MashupParameters

The OData response wrapper for a list of Power BI dataset parameters

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	

value

Mashup

Parameter[]

A list of dataset parameters

Datasets - Get Parameters In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of parameters for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

Limitations

Datasets with SQL, Oracle, Teradata, and SAP HANA [DirectQuery](#) connections aren't supported.

Datasets created or modified using the public [XMLA endpoint](#) aren't supported.

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/parameters</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[Expand table](#)

Name	Type	Description
200 OK	Mashup	OK Parameters

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/parameters
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "name": "ServerName",
      "type": "Text",
      "isRequired": true,
      "currentValue": "MyTest.database.windows.net"
    },
    {
      "name": "DatabaseName",
      "type": "Text",
      "isRequired": true,
      "currentValue": "MyTestDB"
    },
    {
      "name": "FromDate",
      "type": "DateTime",
      "isRequired": true,
      "currentValue": "2/8/2002 12:00:00 AM"
    }
  ]
}
```

```

        "name": "FilterBlanks",
        "type": "Logical",
        "isRequired": true,
        "currentValue": "TRUE"
    },
    {
        "name": "MaxId",
        "type": "Number",
        "isRequired": true,
        "currentValue": "77"
    },
    {
        "name": "AnyParam",
        "type": "Any",
        "isRequired": true,
        "currentValue": "uu63"
    }
]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
MashupParameter	A Power BI dataset parameter
MashupParameters	The OData response wrapper for a list of Power BI dataset parameters

MashupParameter

A Power BI dataset parameter

[\[\] Expand table](#)

Name	Type	Description
currentValue	string	The current value of the parameter
isRequired	boolean	Whether the dataset parameter is required
name	string	The parameter name
suggestedValues	string[]	A list of suggested parameter values
type	string	The parameter type

MashupParameters

The OData response wrapper for a list of Power BI dataset parameters

[Expand table](#)

Name	Type	Description
odata.context	string	
value	Mashup Parameter []	A list of dataset parameters

Datasets - Get Query Scale Out Sync Status

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the query scale-out sync status for the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/queryScaleOut/syncStatus`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataset QueryScale OutSync Status	OK

Examples

Get query scale-out sync status example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/queryScaleOut/syncStatus
```

Sample response

Status code: 200

JSON

```
{  
    "commitVersion": 133186221251720662,  
    "commitTimestamp": "2023-01-19T17:15:25.172066Z",  
    "targetSyncVersion": 133184583205771509,  
    "targetSyncTimestamp": "2023-01-17T19:45:20.5771509Z",  
    "triggerReason": "explicit",  
    "syncStartTime": "2023-01-17T20:37:49.9625479Z",  
    "syncEndTime": "2023-01-17T20:37:50.6029293Z",  
    "minActiveReadVersion": 133184583205771509,  
    "minActiveReadTimestamp": "2023-01-17T19:45:20.5771509Z",  
    "scaleOutStatus": "Enabled"  
}
```

Definitions

[+] Expand table

Name	Description
DatasetQueryScaleOutSyncStatus	Dataset query scale-out sync status
QueryScaleOutStatus	Query scale-out status
QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

DatasetQueryScaleOutSyncStatus

Dataset query scale-out sync status

[\[\] Expand table](#)

Name	Type	Description
commitTimestamp	string	Timestamp indicating the latest commit version
commitVersion	integer	Latest commit version
minActiveReadTimestamp	string	Timestamp indicating the minimum active read version
minActiveReadVersion	integer	Minimum active read version
scaleOutStatus	QueryScaleOutStatus	Query scale-out status
syncEndTime	string	Timestamp indicating when last sync ended
syncStartTime	string	Timestamp indicating when last sync started
targetSyncTimestamp	string	Timestamp indicating the target sync version
targetSyncVersion	integer	Target sync version
triggerReason	QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

QueryScaleOutStatus

Query scale-out status

[\[\] Expand table](#)

Name	Type	Description
Enabled	string	Query scale-out is enabled
ReadOnlyReplicasDisabled	string	Query scale-out max read-only replicas is set to 0
StorageModeNotSupported	string	Query scale-out is not supported for dataset's storage mode
TenantSettingDisabled	string	Query scale-out tenant setting is disabled

QueryScaleOutSyncTriggerReason

Query scale-out sync trigger reason

[\[\]](#) Expand table

Name	Type	Description
automatic	string	Sync was automatically triggered
explicit	string	Sync was explicitly triggered
system	string	Sync was triggered following a system event

Datasets - Get Query Scale Out Sync Status In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the query scale-out sync status for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/queryScaleOut/syncStatus</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Dataset	OK
	QueryScale	
	OutSync	
	Status	

Examples

Get query scale-out sync status example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/queryScaleOut/syncStatus
```

Sample response

Status code: 200

JSON

```
{
  "commitVersion": 133186221251720662,
  "commitTimestamp": "2023-01-19T17:15:25.1720662Z",
  "targetSyncVersion": 133184583205771509,
  "targetSyncTimestamp": "2023-01-17T19:45:20.5771509Z",
  "triggerReason": "explicit",
  "syncStartTime": "2023-01-17T20:37:49.9625479Z",
  "syncEndTime": "2023-01-17T20:37:50.6029293Z",
  "minActiveReadVersion": 133184583205771509,
  "minActiveReadTimestamp": "2023-01-17T19:45:20.5771509Z",
  "scaleOutStatus": "Enabled"
}
```

Definitions

[\[\] Expand table](#)

Name	Description
DatasetQueryScaleOutSyncStatus	Dataset query scale-out sync status
QueryScaleOutStatus	Query scale-out status
QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

DatasetQueryScaleOutSyncStatus

Dataset query scale-out sync status

[+] [Expand table](#)

Name	Type	Description
commitTimestamp	string	Timestamp indicating the latest commit version
commitVersion	integer	Latest commit version
minActiveReadTimestamp	string	Timestamp indicating the minimum active read version
minActiveReadVersion	integer	Minimum active read version
scaleOutStatus	QueryScaleOutStatus	Query scale-out status
syncEndTime	string	Timestamp indicating when last sync ended
syncStartTime	string	Timestamp indicating when last sync started
targetSyncTimestamp	string	Timestamp indicating the target sync version
targetSyncVersion	integer	Target sync version
triggerReason	QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

QueryScaleOutStatus

Query scale-out status

[+] [Expand table](#)

Name	Type	Description
Enabled	string	Query scale-out is enabled
ReadOnlyReplicasDisabled	string	Query scale-out max read-only replicas is set to 0
StorageModeNotSupported	string	Query scale-out is not supported for dataset's storage mode
TenantSettingDisabled	string	Query scale-out tenant setting is disabled

QueryScaleOutSyncTriggerReason

Query scale-out sync trigger reason

[Expand table](#)

Name	Type	Description
automatic	string	Sync was automatically triggered
explicit	string	Sync was explicitly triggered
system	string	Sync was triggered following a system event

Datasets - Get Refresh Execution Details

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns execution details of an [enhanced refresh operation](#) for the specified dataset from [My workspace](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshes/{refreshId}</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string uuid	The dataset ID
refreshId	path	True	string uuid	The refresh ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataset Refresh Detail	OK (this response is returned when the refresh operation has completed or failed)

202 Accepted	Dataset Refresh Detail	Accepted (this response is returned when the refresh operation is still in progress)
--------------	----------------------------------------	--------------------------------------------------------------------------------------

Examples

[\[+\] Expand table](#)

[Completed refresh example](#)

[Failed refresh example](#)

[In progress refresh example](#)

Completed refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/f7fc6510-e151-42a3-850b-d0805a391db0/refreshes/87f31ef7-1e3a-4006-9b0b-191693e79e9e
```

Sample response

Status code: 200

JSON

```
{
  "startTime": "2021-12-10T08:40:31.57",
  "endTime": "2021-12-10T08:40:43.87",
  "type": "Full",
  "commitMode": "Transactional",
  "status": "Completed",
  "extendedStatus": "Completed",
  "currentRefreshType": "Full",
  "numberOfAttempts": 0,
  "objects": [
    {
      "table": "DateTableTemplate_78e78207-b3fb-41b5-8b95-e5efca989067",
      "partition": "DateTableTemplate_78e78207-b3fb-41b5-8b95-e5efca989067-ae306fb4-3b7e-4a41-824d-cb3b452fedfc",
      "status": "Completed"
    },
    {
      "table": "LocalDateTable_e9d8a66b-4018-4d16-be8c-402b2037c051",
      "status": "Completed"
    }
  ]
}
```

```
        "partition": "LocalDateTable_e9d8a66b-4018-4d16-be8c-402b2037c051-59bc07f8-85c9-456a-ad36-18e1de4d77ed",
        "status": "Completed"
    },
    {
        "table": "LocalDateTable_55935f6b-04d1-4cfe-8856-ed9f9e73ab2e",
        "partition": "LocalDateTable_55935f6b-04d1-4cfe-8856-ed9f9e73ab2e-d95ae7f7-19c9-48a8-9c16-fcab26558bc2",
        "status": "Completed"
    },
    {
        "table": "LocalDateTable_ff25f80e-eb04-4229-986d-b40223c04f1c",
        "partition": "LocalDateTable_ff25f80e-eb04-4229-986d-b40223c04f1c-6606fc4c-4cda-49e1-8acd-e55a6ec36cb3",
        "status": "Completed"
    },
    {
        "table": "DimCurrency",
        "partition": "DimCurrency-e5524cc4-a898-433b-91aa-c001b9a6d676",
        "status": "Completed"
    },
    {
        "table": "DimCustomer",
        "partition": "DimCustomer-a31bbd93-e20a-4dee-a33c-7afa27785953",
        "status": "Completed"
    },
    {
        "table": "LocalDateTable_fa65a206-f320-4d5d-abcc-1dc0f051ca7d",
        "partition": "LocalDateTable_fa65a206-f320-4d5d-abcc-1dc0f051ca7d-06a48a0a-a32b-48a3-b113-924aafdf6363c",
        "status": "Completed"
    },
    {
        "table": "LocalDateTable_78a4e1b7-a2e5-4bbf-ab68-7c87961b68a2",
        "partition": "LocalDateTable_78a4e1b7-a2e5-4bbf-ab68-7c87961b68a2-5b3ba715-7c84-4e52-b310-485b93cfbe6d",
        "status": "Completed"
    },
    {
        "table": "DimDate",
        "partition": "DimDate-62e2f91b-53e5-4ed3-8618-fec74dba5e0d",
        "status": "Completed"
    },
    {
        "table": "LocalDateTable_e72c294f-0a06-4051-b943-e6bf8389e2c3",
        "partition": "LocalDateTable_e72c294f-0a06-4051-b943-e6bf8389e2c3-891a0e68-d414-4ba3-9c4b-e6f1ec73d4f3",
        "status": "Completed"
    },
    {
        "table": "DimProduct",
        "partition": "DimProduct-3d07cc89-2bd7-4a98-bb37-3368c1562f98",
        "status": "Completed"
    },
    {
```

```

    "table": "LocalDateTable_e37e4431-8c1a-449c-8796-b704df200a92",
    "partition": "LocalDateTable_e37e4431-8c1a-449c-8796-b704df200a92-
8596ebb8-418f-4e50-a921-dac88c6f1339",
    "status": "Completed"
},
{
    "table": "LocalDateTable_73faffeb-a0c7-4ea1-83dc-530823b0fea0",
    "partition": "LocalDateTable_73faffeb-a0c7-4ea1-83dc-530823b0fea0-
13795c4e-708f-4ddc-8ea3-5a2f39ae2253",
    "status": "Completed"
},
{
    "table": "DimPromotion",
    "partition": "DimPromotion-21e6c333-430e-4350-8c94-cdceb362c4c7",
    "status": "Completed"
},
{
    "table": "LocalDateTable_9c19746b-db7d-4b7e-b95d-c66e4b8fefc8",
    "partition": "LocalDateTable_9c19746b-db7d-4b7e-b95d-c66e4b8fefc8-
395de144-ad53-41c0-9ec0-68bab6158d99",
    "status": "Completed"
},
{
    "table": "LocalDateTable_d96435dd-6110-4246-996c-616c96125e71",
    "partition": "LocalDateTable_d96435dd-6110-4246-996c-616c96125e71-
891737ee-c46c-4b9f-bfa8-e4555004e20f",
    "status": "Completed"
},
{
    "table": "DimSalesTerritory",
    "partition": "DimSalesTerritory-6d88f938-13d5-49f8-899c-d11b3d346ad5",
    "status": "Completed"
},
{
    "table": "FactInternetSales",
    "status": "Completed"
}
],
"refreshAttempts": [
{
    "attemptId": 1,
    "startTime": "2021-12-10T08:40:31.57",
    "endTime": "2021-12-10T08:40:43.87",
    "type": "Data"
}
]
}

```

Failed refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/f7fc6510-e151-42a3-850b-d0805a391db0/refreshes/351f7113-59bb-4e5e-8c1e-e15ae7414121
```

Sample response

Status code: 200

JSON

```
{  
  "startTime": "2021-12-10T08:39:28.517",  
  "endTime": "2021-12-10T08:39:30.04",  
  "type": "Full",  
  "commitMode": "PartialBatch",  
  "status": "Failed",  
  "extendedStatus": "Failed",  
  "currentRefreshType": "Full",  
  "numberOfAttempts": 0,  
  "messages": [  
    {  
      "message": "RefreshApiRequest for table refresh using refresh policy  
must have the property 'CommitMode' = 'Transactional' instead of  
'PartialBatch'.",  
      "type": "Error"  
    }  
,  
    "refreshAttempts": [  
      {  
        "attemptId": 1,  
        "startTime": "2021-12-10T08:39:28.517",  
        "endTime": "2021-12-10T08:39:30.04",  
        "serviceExceptionJson": "  
{\\"errorCode\\":\\"ModelError_ShortMessage_ProcessingError\\",\\"errorDescription\\":\\"0xC112001C: Expression.Error: Forced Error. . The exception was  
raised by the IDbCommand interface.\n0xC112001C: The command has been  
canceled.. The exception was raised by the IDbCommand  
interface.\n0xC11C0006: The current operation was cancelled because another  
operation in the transaction failed.\n0xC112001C: The command has been  
canceled.. The exception was raised by the IDbCommand  
interface.\n0xC112001C: The command has been canceled.. The exception was  
raised by the IDbCommand interface.\n0xC112001C: The command has been  
canceled.. The exception was raised by the IDbCommand interface.\\"}",  
        "type": "Data"  
      }  
    ]  
}
```

In progress refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/f7fc6510-e151-42a3-850b-d0805a391db0/refreshes/630110f5-8f93-49c2-afee-bfc87072460c
```

Sample response

Status code: 202

JSON

```
{  
  "startTime": "2021-12-14T03:46:04.833",  
  "type": "Full",  
  "commitMode": "Transactional",  
  "status": "Unknown",  
  "extendedStatus": "NotStarted",  
  "currentRefreshType": "Full",  
  "numberOfAttempts": 0  
}
```

Definitions

[+] Expand table

Name	Description
DatasetRefreshDetail	A Power BI refresh detail entry
DatasetRefreshDetailCommitMode	Determines if objects will be committed in batches or only when complete
DatasetRefreshDetailExtendedStatus	Dataset operation detailed status
DatasetRefreshDetailStatus	Dataset operation general status
DatasetRefreshDetailType	The type of processing to perform
DatasetRefreshObjects	Power BI dataset refresh target

EngineMessage	The error or warning message from engine for enhanced refresh
RefreshAttempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.
RefreshAttemptType	The type of refresh attempt.
RefreshEngineErrorType	The type of the error

DatasetRefreshDetail

A Power BI refresh detail entry

[+] [Expand table](#)

Name	Type	Description
commitMode	Dataset Refresh Detail Commit Mode	Determines if objects will be committed in batches or only when complete
currentRefreshType	Dataset Refresh DetailType	The type of processing for the current iteration. This is useful when <code>commitMode</code> is set to <code>PartialBatch</code>
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
extendedStatus	Dataset Refresh Detail Extended Status	Dataset operation detailed status
messages	Engine Message[]	An array of engine error or warning messages for the refresh request
numberOfAttempts	integer	The number of attempts for the refresh request
objects	Dataset Refresh Objects[]	An array of objects included in the refresh request
refreshAttempts	Refresh Attempt[]	The refresh attempt list.

startTime	string	The start date and time of the refresh
status	Dataset Refresh DetailStatus	Dataset operation general status
type	Dataset Refresh DetailType	The type of processing to perform

DatasetRefreshDetailCommitMode

Determines if objects will be committed in batches or only when complete

[\[+\] Expand table](#)

Name	Type	Description
PartialBatch	string	Commit the refresh operation in batches
Transactional	string	Commit the whole refresh operation as a transaction

DatasetRefreshDetailExtendedStatus

Dataset operation detailed status

[\[+\] Expand table](#)

Name	Type	Description
Cancelled	string	The refresh operation has been cancelled by customer
Completed	string	The refresh operation is successfully completed
Disabled	string	The refresh operation is disabled by a selective refresh
Failed	string	The refresh operation is unsuccessful
InProgress	string	The refresh operation is in progress
NotStarted	string	The refresh operation isn't started
TimedOut	string	The refresh operation is timed out
Unknown	string	The completion state is unknown

DatasetRefreshDetailStatus

Dataset operation general status

[+] Expand table

Name	Type	Description
Completed	string	The refresh operation is successfully completed
Disabled	string	The refresh operation is disabled by a selective refresh
Failed	string	The refresh operation is unsuccessful
Unknown	string	The completion state is unknown or a refresh is in progress

DatasetRefreshDetailType

The type of processing to perform

[+] Expand table

Name	Type	Description
Automatic	string	If the object needs to be refreshed and recalculated, refresh and recalculate the object and all its dependents. Applies if the partition is in a state other than Ready.
Calculate	string	Recalculate this object and all its dependents, but only if needed. This value doesn't force recalculation, except for volatile formulas.
ClearValues	string	Clear values in this object and all its dependents
DataOnly	string	Refresh data in this object and clear all dependents
Defragment	string	Defragment the data in the specified table. As data is added to or removed from a table, the dictionaries of each column can become polluted with values that no longer exist in the actual column values. The defragment option will clean up the values in the dictionaries that are no longer used.
Full	string	For all partitions in the specified partition, table, or database, refresh data and recalculate all dependents. For a calculation partition, recalculate the partition and all its dependents.

DatasetRefreshObjects

Power BI dataset refresh target

[\[+\] Expand table](#)

Name	Type	Description
partition	string	Partition to refresh
table	string	Table to refresh

EngineMessage

The error or warning message from engine for enhanced refresh

[\[+\] Expand table](#)

Name	Type	Description
code	string	The error code in hex format
message	string	The text of error or warning message
type	Refresh EngineError Type	The type of the error

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[\[\] Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.u

RefreshEngineErrorType

The type of the error

[\[\] Expand table](#)

Name	Type	Description
Error	string	Error message
Warning	string	Warning message

Datasets - Get Refresh Execution Details In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns execution details of an [enhanced refresh operation](#) for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/refreshes/{refreshId}</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string uuid	The dataset ID
groupId	path	True	string uuid	The workspace ID
refreshId	path	True	string uuid	The refresh ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataset Refresh Detail	OK (this response is returned when the refresh operation has completed or failed)
202 Accepted	Dataset Refresh Detail	Accepted (this response is returned when the refresh operation is still in progress)

Examples

[+] Expand table

Completed refresh example
Failed refresh example
In progress refresh example

Completed refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/fdb91b8f-0a9b-44c1-b6c0-0cb185c6ebfb/datasets/f7fc6510-e151-42a3-850b-d0805a391db0/refreshes/87f31ef7-1e3a-4006-9b0b-191693e79e9e
```

Sample response

Status code: 200

JSON

```
{
  "startTime": "2021-12-10T08:40:31.57",
  "endTime": "2021-12-10T08:40:43.87",
  "type": "Full",
  "commitMode": "Transactional",
```

```
"status": "Completed",
"extendedStatus": "Completed",
"currentRefreshType": "Full",
"numberOfAttempts": 0,
"objects": [
  {
    "table": "DateTableTemplate_78e78207-b3fb-41b5-8b95-e5efca989067",
    "partition": "DateTableTemplate_78e78207-b3fb-41b5-8b95-e5efca989067-
ae306fb4-3b7e-4a41-824d-cb3b452fedfc",
    "status": "Completed"
  },
  {
    "table": "LocalDateTable_e9d8a66b-4018-4d16-be8c-402b2037c051",
    "partition": "LocalDateTable_e9d8a66b-4018-4d16-be8c-402b2037c051-
59bc07f8-85c9-456a-ad36-18e1de4d77ed",
    "status": "Completed"
  },
  {
    "table": "LocalDateTable_55935f6b-04d1-4cfe-8856-ed9f9e73ab2e",
    "partition": "LocalDateTable_55935f6b-04d1-4cfe-8856-ed9f9e73ab2e-
d95ae7f7-19c9-48a8-9c16-fcab26558bc2",
    "status": "Completed"
  },
  {
    "table": "LocalDateTable_ff25f80e-eb04-4229-986d-b40223c04f1c",
    "partition": "LocalDateTable_ff25f80e-eb04-4229-986d-b40223c04f1c-
6606fc4c-4cda-49e1-8acd-e55a6ec36cb3",
    "status": "Completed"
  },
  {
    "table": "DimCurrency",
    "partition": "DimCurrency-e5524cc4-a898-433b-91aa-c001b9a6d676",
    "status": "Completed"
  },
  {
    "table": "DimCustomer",
    "partition": "DimCustomer-a31bbd93-e20a-4dee-a33c-7afa27785953",
    "status": "Completed"
  },
  {
    "table": "LocalDateTable_fa65a206-f320-4d5d-abcc-1dc0f051ca7d",
    "partition": "LocalDateTable_fa65a206-f320-4d5d-abcc-1dc0f051ca7d-
06a48a0a-a32b-48a3-b113-924aafdf6363c",
    "status": "Completed"
  },
  {
    "table": "LocalDateTable_78a4e1b7-a2e5-4bbf-ab68-7c87961b68a2",
    "partition": "LocalDateTable_78a4e1b7-a2e5-4bbf-ab68-7c87961b68a2-
5b3ba715-7c84-4e52-b310-485b93cfbe6d",
    "status": "Completed"
  },
  {
    "table": "DimDate",
    "partition": "DimDate-62e2f91b-53e5-4ed3-8618-fec74dba5e0d",
    "status": "Completed"
  }
]
```

```
        },
        {
            "table": "LocalDateTable_e72c294f-0a06-4051-b943-e6bf8389e2c3",
            "partition": "LocalDateTable_e72c294f-0a06-4051-b943-e6bf8389e2c3-
891a0e68-d414-4ba3-9c4b-e6f1ec73d4f3",
            "status": "Completed"
        },
        {
            "table": "DimProduct",
            "partition": "DimProduct-3d07cc89-2bd7-4a98-bb37-3368c1562f98",
            "status": "Completed"
        },
        {
            "table": "LocalDateTable_e37e4431-8c1a-449c-8796-b704df200a92",
            "partition": "LocalDateTable_e37e4431-8c1a-449c-8796-b704df200a92-
8596ebb8-418f-4e50-a921-dac88c6f1339",
            "status": "Completed"
        },
        {
            "table": "LocalDateTable_73faffeb-a0c7-4ea1-83dc-530823b0fea0",
            "partition": "LocalDateTable_73faffeb-a0c7-4ea1-83dc-530823b0fea0-
13795c4e-708f-4ddc-8ea3-5a2f39ae2253",
            "status": "Completed"
        },
        {
            "table": "DimPromotion",
            "partition": "DimPromotion-21e6c333-430e-4350-8c94-cdceb362c4c7",
            "status": "Completed"
        },
        {
            "table": "LocalDateTable_9c19746b-db7d-4b7e-b95d-c66e4b8fefc8",
            "partition": "LocalDateTable_9c19746b-db7d-4b7e-b95d-c66e4b8fefc8-
395de144-ad53-41c0-9ec0-68bab6158d99",
            "status": "Completed"
        },
        {
            "table": "LocalDateTable_d96435dd-6110-4246-996c-616c96125e71",
            "partition": "LocalDateTable_d96435dd-6110-4246-996c-616c96125e71-
891737ee-c46c-4b9f-bfa8-e4555004e20f",
            "status": "Completed"
        },
        {
            "table": "DimSalesTerritory",
            "partition": "DimSalesTerritory-6d88f938-13d5-49f8-899c-d11b3d346ad5",
            "status": "Completed"
        },
        {
            "table": "FactInternetSales",
            "status": "Completed"
        }
    ],
    "refreshAttempts": [
        {
            "attemptId": 1,
            "startTime": "2021-12-10T08:40:31.57",
            "endTime": "2021-12-10T08:40:31.57"
        }
    ]
}
```

```
        "endTime": "2021-12-10T08:40:43.87",
        "type": "Data"
    }
]
```

Failed refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/fdb91b8f-0a9b-44c1-b6c0-
0cb185c6ebfb/datasets/f7fc6510-e151-42a3-850b-
d0805a391db0/refreshes/351f7113-59bb-4e5e-8c1e-e15ae7414121
```

Sample response

Status code: 200

JSON

```
{
  "startTime": "2021-12-10T08:39:28.517",
  "endTime": "2021-12-10T08:39:30.04",
  "type": "Full",
  "commitMode": "PartialBatch",
  "status": "Failed",
  "extendedStatus": "Failed",
  "currentRefreshType": "Full",
  "numberOfAttempts": 0,
  "messages": [
    {
      "message": "RefreshApiRequest for table refresh using refresh policy must have the property 'CommitMode' = 'Transactional' instead of 'PartialBatch'.",
      "type": "Error"
    }
  ],
  "refreshAttempts": [
    {
      "attemptId": 1,
      "startTime": "2021-12-10T08:39:28.517",
      "endTime": "2021-12-10T08:39:30.04",
      "serviceExceptionJson": "
{\\"errorCode\\":\\"ModelError\\",\\"errorDescription\\":\\"0xC112001C: Expression.Error: Forced Error. . The exception was raised by the IDbCommand interface.\n0xC112001C: The command has been canceled.. The exception was raised by the IDbCommand interface.\n0xC11C0006: The current operation was cancelled because another
"}"
    }
  ]
}
```

```
operation in the transaction failed.\n0xC112001C: The command has been
canceled.. The exception was raised by the IDbCommand
interface.\n0xC112001C: The command has been canceled.. The exception was
raised by the IDbCommand interface.\n0xC112001C: The command has been
canceled.. The exception was raised by the IDbCommand interface."},
    "type": "Data"
}
]
}
```

In progress refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/fdb91b8f-0a9b-44c1-b6c0-
0cb185c6ebfb/datasets/f7fc6510-e151-42a3-850b-
d0805a391db0/refreshes/630110f5-8f93-49c2-afee-bfc87072460c
```

Sample response

Status code: 202

JSON

```
{
  "startTime": "2021-12-14T03:46:04.833",
  "type": "Full",
  "commitMode": "Transactional",
  "status": "Unknown",
  "extendedStatus": "NotStarted",
  "currentRefreshType": "Full",
  "numberOfAttempts": 0
}
```

Definitions

[] Expand table

Name	Description
DatasetRefreshDetail	A Power BI refresh detail entry

DatasetRefresh	Determines if objects will be committed in batches or only when complete
DetailCommitMode	
DatasetRefresh	Dataset operation detailed status
DetailExtendedStatus	
DatasetRefresh	Dataset operation general status
DetailStatus	
DatasetRefresh	The type of processing to perform
DetailType	
DatasetRefresh	Power BI dataset refresh target
Objects	
EngineMessage	The error or warning message from engine for enhanced refresh
RefreshAttempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.
RefreshAttemptType	The type of refresh attempt.
RefreshEngineError	The type of the error
Type	

DatasetRefreshDetail

A Power BI refresh detail entry

[Expand table](#)

Name	Type	Description
commitMode	Dataset Refresh Detail Commit Mode	Determines if objects will be committed in batches or only when complete
currentRefreshType	Dataset Refresh DetailType	The type of processing for the current iteration. This is useful when <code>commitMode</code> is set to <code>PartialBatch</code>
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
extendedStatus	Dataset Refresh	Dataset operation detailed status

		Detail
		Extended
		Status
messages	Engine Message[]	An array of engine error or warning messages for the refresh request
numberOfAttempts	integer	The number of attempts for the refresh request
objects	Dataset Refresh Objects[]	An array of objects included in the refresh request
refreshAttempts	Refresh Attempt[]	The refresh attempt list.
startTime	string	The start date and time of the refresh
status	Dataset Refresh DetailStatus	Dataset operation general status
type	Dataset Refresh DetailType	The type of processing to perform

DatasetRefreshDetailCommitMode

Determines if objects will be committed in batches or only when complete

[\[\] Expand table](#)

Name	Type	Description
PartialBatch	string	Commit the refresh operation in batches
Transactional	string	Commit the whole refresh operation as a transaction

DatasetRefreshDetailExtendedStatus

Dataset operation detailed status

[\[\] Expand table](#)

Name	Type	Description
Cancelled	string	The refresh operation has been cancelled by customer

Completed	string	The refresh operation is successfully completed
Disabled	string	The refresh operation is disabled by a selective refresh
Failed	string	The refresh operation is unsuccessful
InProgress	string	The refresh operation is in progress
NotStarted	string	The refresh operation isn't started
TimedOut	string	The refresh operation is timed out
Unknown	string	The completion state is unknown

DatasetRefreshDetailStatus

Dataset operation general status

[\[+\] Expand table](#)

Name	Type	Description
Completed	string	The refresh operation is successfully completed
Disabled	string	The refresh operation is disabled by a selective refresh
Failed	string	The refresh operation is unsuccessful
Unknown	string	The completion state is unknown or a refresh is in progress

DatasetRefreshDetailType

The type of processing to perform

[\[+\] Expand table](#)

Name	Type	Description
Automatic	string	If the object needs to be refreshed and recalculated, refresh and recalculate the object and all its dependents. Applies if the partition is in a state other than Ready.
Calculate	string	Recalculate this object and all its dependents, but only if needed. This value doesn't force recalculation, except for volatile formulas.
ClearValues	string	Clear values in this object and all its dependents
DataOnly	string	Refresh data in this object and clear all dependents

Defragment	string	Defragment the data in the specified table. As data is added to or removed from a table, the dictionaries of each column can become polluted with values that no longer exist in the actual column values. The defragment option will clean up the values in the dictionaries that are no longer used.
Full	string	For all partitions in the specified partition, table, or database, refresh data and recalculate all dependents. For a calculation partition, recalculate the partition and all its dependents.

DatasetRefreshObjects

Power BI dataset refresh target

[\[+\] Expand table](#)

Name	Type	Description
partition	string	Partition to refresh
table	string	Table to refresh

EngineMessage

The error or warning message from engine for enhanced refresh

[\[+\] Expand table](#)

Name	Type	Description
code	string	The error code in hex format
message	string	The text of error or warning message
type	Refresh EngineError Type	The type of the error

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[\[\] Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.u

RefreshEngineErrorType

The type of the error

[\[\] Expand table](#)

Name	Type	Description
Error	string	Error message
Warning	string	Warning message

Datasets - Get Refresh History

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the refresh history for the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

OneDrive refresh history isn't returned.

There are always between 20–60 available refresh history entries for each dataset, depending on the number of refreshes in the last 3 days.

The most recent 60 are kept if they are all less than 3 days old. Entries more than 3 days old are deleted when there are more than 20 entries.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshes
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshes?$top={$top}
```

URI Parameters

 Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

\$top	query integer	The requested number of entries in the refresh history. If not provided, the default is the last available 60 entries.
--------------	---------------	------------------------------------------------------------------------------------------------------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	Refreshes	OK

Examples

[+] Expand table

Completed refresh example
Failed refresh example
In-progress refresh example

Completed refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes?$top=1
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "refreshType": "ViaApi",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-13T09:31:43.153Z",
      "status": "Completed",
      "lastModifiedTime": "2017-06-13T09:31:43.153Z"
    }
  ]
}
```

```
"requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1",
"refreshAttempts": [
  {
    "attemptId": 1,
    "startTime": "2017-06-13T09:25:43.153Z",
    "endTime": "2017-06-13T09:31:40.153Z",
    "type": "Data"
  },
  {
    "attemptId": 1,
    "startTime": "2017-06-13T09:31:40.156Z",
    "endTime": "2017-06-13T09:31:43.153Z",
    "type": "Query"
  }
]
}
]
```

Failed refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes?$top=1
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "refreshType": "ViaApi",
      "startTime": "2017-06-13T09:25:43.153Z",
      "endTime": "2017-06-13T09:31:43.153Z",
      "serviceExceptionJson": "
{\\"errorCode\\":\\"ModelRefreshFailed_CredentialsNotSpecified\\"}",
      "status": "Failed",
      "requestId": "11bf290a-346b-48b7-8973-c5df149337ff",
      "refreshAttempts": [
        {
          "attemptId": 1,
          "startTime": "2017-06-13T09:25:43.153Z",
          "endTime": "2017-06-13T09:31:43.153Z",
          "serviceExceptionJson": "
{\\"errorCode\\":\\"ModelRefreshFailed_CredentialsNotSpecified\\"}"
        }
      ]
    }
  ]
}
```

```
{\"errorCode\": \"ModelRefreshFailed_CredentialsNotSpecified\"}",
    "type": "Data"
}
]
}
]
}
```

In-progress refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes?$top=1
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "refreshType": "ViaApi",
      "startTime": "2017-06-13T09:25:43.153Z",
      "status": "Unknown",
      "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Refresh	A Power BI refresh history entry
Refresh Attempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

Refresh	The type of refresh attempt.
AttemptType	
Refreshes	The OData response wrapper for a Power BI refresh history list

Refresh

A Power BI refresh history entry

[\[\] Expand table](#)

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	Refresh Attempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.
serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	<p><code>Unknown</code> if the completion state is unknown or a refresh is in progress.</p> <p><code>Completed</code> for a successfully completed refresh.</p> <p><code>Failed</code> for an unsuccessful refresh (<code>serviceExceptionJson</code> will contain the error code).</p> <p><code>Disabled</code> if the refresh is disabled by a selective refresh.</p>

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[\] Expand table](#)

Name	Type	Description
------	------	-------------

attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[\[\] Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.u

Refreshes

The OData response wrapper for a Power BI refresh history list

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Refresh[]	The refresh history list

RefreshType

The type of refresh request

[\[\] Expand table](#)

Name	Type	Description

OnDemand	string	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	string	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	string	The refresh was triggered by a dataset refresh schedule setting
ViaApi	string	The refresh was triggered by an API call
ViaEnhancedApi	string	The refresh was triggered by an enhanced refresh REST API call
ViaXmlaEndpoint	string	The refresh was triggered through Power BI public XMLA endpoint

Datasets - Get Refresh History In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the refresh history for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

OneDrive refresh history isn't returned.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/refreshes`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/refreshes?$top={$top}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID
\$top	query		integer	The requested number of entries in the refresh history. If not provided, the default is the last available 60 entries.

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Refreshes	OK

Examples

[\[+\] Expand table](#)

Completed refresh example
Failed refresh example
In-progress refresh example

Completed refresh example

Sample request

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes?\$top=1</code>

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "refreshType": "ViaApi",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-13T09:31:43.153Z",  
      "status": "Completed",  
      "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1",  
      "refreshAttempts": [  
        {  
          "attemptId": 1,  
          "startTime": "2017-06-13T09:25:43.153Z",  
          "endTime": "2017-06-13T09:31:40.153Z",  
          "type": "Data"  
        },  
        {  
          "attemptId": 1,  
          "startTime": "2017-06-13T09:31:40.156Z",  
          "endTime": "2017-06-13T09:31:43.153Z",  
          "type": "Query"  
        }  
      ]  
    }  
  ]  
}
```

Failed refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/cfafbeb1-  
8037-4d0c-896e-a46fb27ff229/refreshes?$top=1
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "refreshType": "ViaApi",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "endTime": "2017-06-13T09:31:43.153Z",  
      "serviceExceptionJson": "  
        {  
          \"exceptionCode\": \"400\",  
          \"exceptionMessage\": \"The refresh attempt failed because the dataset was deleted.\",  
          \"exceptionType\": \"DatasetDeletedException\"  
        }  
      "  
    }  
  ]  
}
```

```
{"errorCode": "ModelError_CredentialsNotSpecified",  
 "status": "Failed",  
 "requestId": "11bf290a-346b-48b7-8973-c5df149337ff",  
 "refreshAttempts": [  
   {  
     "attemptId": 1,  
     "startTime": "2017-06-13T09:25:43.153Z",  
     "endTime": "2017-06-13T09:31:43.153Z",  
     "serviceExceptionJson": "  
{\\"errorCode\\":\\"ModelError_CredentialsNotSpecified\\",  
  \"type\": \"Data\"  
}  
]  
}  
]
```

In-progress refresh example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes?$top=1
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "refreshType": "ViaApi",  
      "startTime": "2017-06-13T09:25:43.153Z",  
      "status": "Unknown",  
      "requestId": "9399bb89-25d1-44f8-8576-136d7e9014b1"  
    }  
  ]  
}
```

Definitions

[] Expand table

Name	Description
Refresh	A Power BI refresh history entry
Refresh Attempt	Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.
Refresh AttemptType	The type of refresh attempt.
Refreshes	The OData response wrapper for a Power BI refresh history list
RefreshType	The type of refresh request

Refresh

A Power BI refresh history entry

[\[+\] Expand table](#)

Name	Type	Description
endTime	string	The end date and time of the refresh (may be empty if a refresh is in progress)
refreshAttempts	Refresh Attempt[]	The refresh attempt list.
refreshType	RefreshType	The type of refresh request
requestId	string	The identifier of the refresh request. Provide this identifier in all service requests.
serviceExceptionJson	string	Failure error code in JSON format (empty if no error)
startTime	string	The start date and time of the refresh
status	string	<p><code>Unknown</code> if the completion state is unknown or a refresh is in progress.</p> <p><code>Completed</code> for a successfully completed refresh.</p> <p><code>Failed</code> for an unsuccessful refresh (<code>serviceExceptionJson</code> will contain the error code).</p> <p><code>Disabled</code> if the refresh is disabled by a selective refresh.</p>

RefreshAttempt

Power BI automatically makes multiple attempts to refresh a dataset if it experiences a refresh failure. This object contains information about each refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
attemptId	integer	The index of the refresh attempt.
endTime	string	The end date and time of the refresh attempt. The value is void if the refresh attempt is in progress.
serviceExceptionJson	string	Failure error code in JSON format. Void if there's no error.
startTime	string	The start date and time of the refresh attempt.
type	Refresh Attempt Type	The type of refresh attempt.

RefreshAttemptType

The type of refresh attempt.

[\[+\] Expand table](#)

Name	Type	Description
Data	string	The refresh attempt to load data into the dataset.
Query	string	The attempt to refresh premium query caches and dashboard tiles.u

Refreshes

The OData response wrapper for a Power BI refresh history list

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Refresh[]	The refresh history list

RefreshType

The type of refresh request

[Expand table](#)

Name	Type	Description
OnDemand	string	The refresh was triggered interactively through the Power BI portal
OnDemandTraining	string	The refresh was triggered interactively through the Power BI portal with automatic aggregations training
Scheduled	string	The refresh was triggered by a dataset refresh schedule setting
ViaApi	string	The refresh was triggered by an API call
ViaEnhancedApi	string	The refresh was triggered by an enhanced refresh REST API call
ViaXmlaEndpoint	string	The refresh was triggered through Power BI public XMLA endpoint

Datasets - Get Refresh Schedule

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the refresh schedule for the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

GET `https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshSchedule`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Refresh Schedule	OK

Examples

Refresh schedule example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Sample response

Status code: 200

JSON

```
{  
  "days": [  
    "Sunday",  
    "Friday",  
    "Saturday"  
,  
  "times": [  
    "05:00",  
    "11:30",  
    "17:30",  
    "23:00"  
,  
  "enabled": true,  
  "localTimeZoneId": "UTC",  
  "notifyOption": "MailOnFailure"  
}
```

Definitions

[+] Expand table

Name	Description
days	The days on which to execute the refresh
RefreshSchedule	A Power BI refresh schedule for imported model
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the NoNotification value.

days

The days on which to execute the refresh

[+] Expand table

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure

NoNotification string

No notification will be sent

Datasets - Get Refresh Schedule In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the refresh schedule for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP
<pre>GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/refreshSchedule</pre>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Refresh Schedule	OK

Examples

Refresh schedule example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Sample response

Status code: 200

JSON

```
{
  "days": [
    "Sunday",
    "Friday",
    "Saturday"
  ],
  "times": [
    "05:00",
    "11:30",
    "17:30",
    "23:00"
  ],
  "enabled": true,
  "localTimeZoneId": "UTC",
  "notifyOption": "MailOnFailure"
}
```

Definitions

[Expand table](#)

Name	Description
------	-------------

days	The days on which to execute the refresh
RefreshSchedule	A Power BI refresh schedule for imported model
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.

days

The days on which to execute the refresh

[+] [Expand table](#)

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[+] [Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneld	string	The ID of the time zone to use. For more information, see Time zone info .

times	string[]	The times of day to execute the refresh
-------	----------	-----------------------------------------

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

Datasets - Post Dataset User

Reference

Service: Power BI REST APIs

API Version: v1.0

Grants the specified user's permissions to the specified dataset.

When user permissions to a dataset have been recently updated, the new permissions might not be immediately available through API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

Required Scope

Dataset.ReadWrite.All

Limitations

Adding permissions to service principals (app principalType) isn't supported

Caller must have ReadReshare permissions on the dataset.

This API call can't be used to grant dataset Write permission on the dataset

HTTP

POST <https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/users>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Request Body

[+] Expand table

Name	Required	Type	Description
datasetUserAccessRight	True	DatasetUser AccessRight Entry	Required. The access right to grant to the user for the dataset.
identifier	True	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	True	PrincipalType	The principal type

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

[+] Expand table

Example
Example for granting ReadExplore right to a security group

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{
  "identifier": "john@contoso.com",
```

```
"principalType": "User",
"datasetUserAccessRight": "Read"
}
```

Sample response

Status code: 200

Example for granting ReadExplore right to a security group

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{
  "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",
  "principalType": "Group",
  "datasetUserAccessRight": "ReadReshare"
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
DatasetUserAccessRightEntry	Required. The access right to grant to the user for the dataset.
PostDatasetUserAccess	A Power BI user access right entry for a dataset
PrincipalType	The principal type

DatasetUserAccessRightEntry

Required. The access right to grant to the user for the dataset.

[+] Expand table

Name	Type	Description
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset

PostDatasetUserAccess

A Power BI user access right entry for a dataset

[+] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRightEntry	Required. The access right to grant to the user for the dataset.
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	PrincipalType	The principal type

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type

Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Datasets - Post Dataset User In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Grants the specified user's permissions to the specified dataset.

When user permissions to a dataset have been recently updated, the new permissions might not be immediately available through API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

Required Scope

Dataset.ReadWrite.All

Limitations

Adding permissions to service principals (app principalType) isn't supported

Caller must have ReadReshare permissions on the dataset.

This API call can't be used to grant dataset Write permission on the dataset

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/users`

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description
datasetUserAccessRight	True	DatasetUser AccessRight Entry	Required. The access right to grant to the user for the dataset.
identifier	True	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	True	PrincipalType	The principal type

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

[+] Expand table

Example
Example for granting ReadExplore right to a security group

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{  
  "identifier": "john@contoso.com",  
  "principalType": "User",  
  "datasetUserAccessRight": "Read"  
}
```

Sample response

Status code: 200

Example for granting ReadExplore right to a security group

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{  
  "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",  
  "principalType": "Group",  
  "datasetUserAccessRight": "ReadReshare"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
DatasetUserAccessRightEntry	Required. The access right to grant to the user for the dataset.
PostDatasetUserAccess	A Power BI user access right entry for a dataset

PrincipalType

The principal type

DatasetUserAccessRightEntry

Required. The access right to grant to the user for the dataset.

[+] Expand table

Name	Type	Description
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset

PostDatasetUserAccess

A Power BI user access right entry for a dataset

[+] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRightEntry	Required. The access right to grant to the user for the dataset.
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the object ID of the principal.
principalType	PrincipalType	The principal type

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Datasets - Put Dataset User

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the existing dataset permissions of the specified user to the specified permissions.

When user permissions to a dataset have been recently updated, the new permissions might not be immediately available through API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call. This API call can be used to remove all the dataset permissions of the specified user by using `datasetUserAccessRight: None`

Required Scope

Dataset.ReadWrite.All

Permissions

The permissions for this API call are listed in [Datasets permissions](#).

Limitations

Updating permissions to service principals (app principalType) isn't supported. Caller must have ReadWriteReshare permissions on the dataset. That is, folder admins, members and contributors with Reshare permissions, or dataset owners.

This API can't be used to add or remove *write* permission.

This API can't be used to remove folder-level inherited permissions. For folder admins and members, the ReadWriteReshareExplore permission on the folder's datasets is inherited. For folder contributors, the ReadWriteExplore permission on the folder's datasets is inherited. For folder viewers, the Read permission on the folder's datasets is inherited.

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/users
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Request Body

[+] Expand table

Name	Required	Type	Description
datasetUserAccessRight	True	DatasetUserAccessRight	The access rights to assign to the user for the dataset (permission level)
identifier	True	string	For principal type <code>user</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	True	PrincipalType	The principal type

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

[+] Expand table

Example
Example for updating security group dataset permissions to ReadExplore

Example

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{  
  "identifier": "john@contoso.com",  
  "principalType": "User",  
  "datasetUserAccessRight": "Read"  
}
```

Sample response

Status code: 200

Example for updating security group dataset permissions to ReadExplore

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{  
  "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",  
  "principalType": "Group",  
  "datasetUserAccessRight": "ReadReshare"  
}
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
DatasetUserAccess	A Power BI principal access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
PrincipalType	The principal type

DatasetUserAccess

A Power BI principal access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access rights to assign to the user for the dataset (permission level)
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the object ID of the principal.
principalType	PrincipalType	The principal type

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset

ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

PrincipalType

The principal type

[\[+\]](#) Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Datasets - Put Dataset User In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the existing dataset permissions of the specified user to the specified permissions.

When user permissions to a dataset have been recently updated, the new permissions might not be immediately available through API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call. This API call can be used to remove all the dataset permissions of the specified user by using `datasetUserAccessRight: None`

Required Scope

Dataset.ReadWrite.All

Permissions

The permissions for this API call are listed in [Datasets permissions](#).

Limitations

Updating permissions to service principals (app principalType) isn't supported. Caller must have ReadWriteReshare permissions on the dataset. That is, folder admins, members and contributors with Reshare permissions, or dataset owners.

This API can't be used to add or remove *write* permission.

This API can't be used to remove folder-level inherited permissions. For folder admins and members, the ReadWriteReshareExplore permission on the folder's datasets is inherited. For folder contributors, the ReadWriteExplore permission on the folder's datasets is inherited. For folder viewers, the Read permission on the folder's datasets is inherited.

HTTP

PUT

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/users`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description
datasetUserAccessRight	True	DatasetUser AccessRight	The access rights to assign to the user for the dataset (permission level)
identifier	True	string	For principal type <code>user</code> , provide the <i>UPN</i> . Otherwise provide the <code>object ID</code> of the principal.
principalType	True	PrincipalType	The principal type

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

[+] Expand table

Example
Example for updating security group dataset permissions to ReadExplore

Example

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{  
  "identifier": "john@contoso.com",  
  "principalType": "User",  
  "datasetUserAccessRight": "Read"  
}
```

Sample response

Status code: 200

Example for updating security group dataset permissions to ReadExplore

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/users
```

Request Body

JSON

```
{  
  "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",  
  "principalType": "Group",  
  "datasetUserAccessRight": "ReadReshare"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
DatasetUserAccess	A Power BI principal access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
PrincipalType	The principal type

DatasetUserAccess

A Power BI principal access right entry for a dataset

[+] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access rights to assign to the user for the dataset (permission level)
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	PrincipalType	The principal type

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] Expand table

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset

ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Datasets - Refresh Dataset

Reference

Service: Power BI REST APIs

API Version: v1.0

Triggers a refresh for the specified dataset from **My workspace**. An [enhanced refresh](#) is triggered only if a request payload other than `notifyOption` is set.

Required Scope

Dataset.ReadWrite.All

Limitations

For Shared capacities, a maximum of eight requests per day, including refreshes executed by using scheduled refresh, can be initiated.

For Shared capacities, only `notifyOption` can be specified in the request body.

Enhanced refresh is not supported for shared capacities.

For enhanced refresh, `notifyOption` is not required and must be excluded from the request body. However, one or more parameters other than `notifyOption` are required.

For Premium capacities, the maximum requests per day is only limited by the available resources in the capacity. If available resources are overloaded, refreshes are throttled until the load is reduced. The refresh will fail if throttling exceeds 1 hour.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshes
```

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID

Request Body

[+] Expand table

Name	Required	Type	Description
notifyOption	True	Notify Option	Mail notification options. This parameter is not applicable to enhanced refreshes or API operations with a service principal.
applyRefreshPolicy		boolean	Determine if the policy is applied or not
commitMode		Dataset Commit Mode	Determines if objects will be committed in batches or only when complete
effectiveDate		string	If an incremental refresh policy is applied, the <code>effectiveDate</code> parameter overrides the current date.
maxParallelism		integer	The maximum number of threads on which to run parallel processing commands
objects		Dataset Refresh Objects[]	An array of objects to be processed
retryCount		integer	Number of times the operation will retry before failing. Temporary internal errors may trigger a retry of the refresh, even when this parameter is set to 0.
type		Dataset RefreshType	The type of processing to perform

Responses

[+] Expand table

Name	Type	Description
202 Accepted		<p>Accepted</p> <p>Headers</p> <p>x-ms-request-id: string</p> <p>Location: string</p>

Examples

 Expand table

[Example of refreshing a dataset](#)

[Example of refreshing one partition](#)

Example of refreshing a dataset

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes
```

Sample response

Status code: 202

HTTP

```
x-ms-request-id: 03f22bb5-2e98-4ae8-8113-329bec3987b1
Location: https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes/03f22bb5-2e98-4ae8-8113-329bec3987b1
```

Example of refreshing one partition

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes
```

Request Body

JSON

```
{
  "type": "full",
  "commitMode": "transactional",
  "objects": [
```

```
{
  "table": "Customer",
  "partition": "Robert"
}
],
"applyRefreshPolicy": "false"
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
DatasetCommitMode	Determines if objects will be committed in batches or only when complete
DatasetRefreshObjects	Power BI dataset refresh target
DatasetRefreshRequest	Power BI dataset refresh request
DatasetRefreshType	The type of processing to perform
NotifyOption	Mail notification options

DatasetCommitMode

Determines if objects will be committed in batches or only when complete

[\[+\] Expand table](#)

Name	Type	Description
PartialBatch	string	Commit the refresh operation in batches. When utilizing <code>partialBatch</code> mode, the refresh operation does not occur within a transaction. Consequently, each command will be committed individually, and in the event of a failure, the model may end up in a state where only a subset of the data is loaded, or the table is left empty. If you desire to guarantee the preservation of previous data in case of a failure, you should execute the operation with <code>commitMode = transactional</code> .

Transactional	string	Commit the whole refresh operation as a transaction
---------------	--------	-----------------------------------------------------

DatasetRefreshObjects

Power BI dataset refresh target

[+] [Expand table](#)

Name	Type	Description
partition	string	Partition to refresh
table	string	Table to refresh

DatasetRefreshRequest

Power BI dataset refresh request

[+] [Expand table](#)

Name	Type	Description
applyRefreshPolicy	boolean	Determine if the policy is applied or not
commitMode	Dataset Commit Mode	Determines if objects will be committed in batches or only when complete
effectiveDate	string	If an incremental refresh policy is applied, the <code>effectiveDate</code> parameter overrides the current date.
maxParallelism	integer	The maximum number of threads on which to run parallel processing commands
notifyOption	Notify Option	Mail notification options. This parameter is not applicable to enhanced refreshes or API operations with a service principal.
objects	Dataset Refresh Objects[]	An array of objects to be processed
retryCount	integer	Number of times the operation will retry before failing. Temporary internal errors may trigger a retry of the refresh, even when this parameter is set to 0.
type	Dataset RefreshType	The type of processing to perform

DatasetRefreshType

The type of processing to perform

[\[+\] Expand table](#)

Name	Type	Description
Automatic	string	If the object needs to be refreshed and recalculated, refresh and recalculate the object and all its dependents. Applies if the partition is in a state other than Ready.
Calculate	string	Recalculate this object and all its dependents, but only if needed. This value doesn't force recalculation, except for volatile formulas.
ClearValues	string	Clear values in this object and all its dependents
DataOnly	string	Refresh data in this object and clear all dependents
Defragment	string	Defragment the data in the specified table. As data is added to or removed from a table, the dictionaries of each column can become polluted with values that no longer exist in the actual column values. The defragment option will clean up the values in the dictionaries that are no longer used.
Full	string	For all partitions in the specified partition, table, or database, refresh data and recalculate all dependents. For a calculation partition, recalculate the partition and all its dependents.

NotifyOption

Mail notification options

[\[+\] Expand table](#)

Name	Type	Description
MailOnCompletion	string	A mail notification indicating success or failure will be sent on refresh completion
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

Datasets - Refresh Dataset In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Triggers a refresh for the specified dataset from the specified workspace. An [enhanced refresh](#) is triggered only if a request payload other than `notifyOption` is set.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

For Shared capacities, a maximum of eight requests per day, including refreshes executed by using scheduled refresh, can be initiated.

For Shared capacities, only `notifyOption` can be specified in the request body.

Enhanced refresh is not supported for shared capacities.

For enhanced refresh, `notifyOption` is not required and must be excluded from the request body. However, one or more parameters other than `notifyOption` are required.

For Premium capacities, the maximum requests per day is only limited by the available resources in the capacity. If available resources are overloaded, refreshes are throttled until the load is reduced. The refresh will fail if throttling exceeds 1 hour.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/refreshes`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
notifyOption	True	Notify Option	Mail notification options. This parameter is not applicable to enhanced refreshes or API operations with a service principal.
applyRefreshPolicy		boolean	Determine if the policy is applied or not
commitMode		Dataset Commit Mode	Determines if objects will be committed in batches or only when complete
effectiveDate		string	If an incremental refresh policy is applied, the <code>effectiveDate</code> parameter overrides the current date.
maxParallelism		integer	The maximum number of threads on which to run parallel processing commands
objects		Dataset Refresh Objects[]	An array of objects to be processed
retryCount		integer	Number of times the operation will retry before failing. Temporary internal errors may trigger a retry of the refresh, even when this parameter is set to 0.
type		Dataset RefreshType	The type of processing to perform

Responses

[+] Expand table

Name	Type	Description
202 Accepted	Accepted	Headers x-ms-request-id: string Location: string

Examples

[+] Expand table

Example of refreshing a dataset
Example of refreshing one partition

Example of refreshing a dataset

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshes
```

Request Body

JSON

```
{  
  "notifyOption": "MailOnFailure",  
  "retryCount": 3  
}
```

Sample response

Status code: 202

HTTP

```
x-ms-request-id: 87f31ef7-1e3a-4006-9b0b-191693e79e9e
Location: https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-
a46fb27ff229/refreshes/87f31ef7-1e3a-4006-9b0b-191693e79e9e
```

Example of refreshing one partition

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/cfafbeb1-
8037-4d0c-896e-a46fb27ff229/refreshes
```

Request Body

JSON

```
{
  "type": "full",
  "commitMode": "transactional",
  "objects": [
    {
      "table": "Customer",
      "partition": "Robert"
    }
  ],
  "applyRefreshPolicy": "false"
}
```

Sample response

Status code: 200

Definitions

[Expand table](#)

Name	Description
DatasetCommitMode	Determines if objects will be committed in batches or only when complete
DatasetRefreshObjects	Power BI dataset refresh target

DatasetRefreshRequest	Power BI dataset refresh request
DatasetRefreshType	The type of processing to perform
NotifyOption	Mail notification options

DatasetCommitMode

Determines if objects will be committed in batches or only when complete

[\[+\] Expand table](#)

Name	Type	Description
PartialBatch	string	Commit the refresh operation in batches. When utilizing <code>partialBatch</code> mode, the refresh operation does not occur within a transaction. Consequently, each command will be committed individually, and in the event of a failure, the model may end up in a state where only a subset of the data is loaded, or the table is left empty. If you desire to guarantee the preservation of previous data in case of a failure, you should execute the operation with <code>commitMode = transactional.</code>
Transactional	string	Commit the whole refresh operation as a transaction

DatasetRefreshObjects

Power BI dataset refresh target

[\[+\] Expand table](#)

Name	Type	Description
partition	string	Partition to refresh
table	string	Table to refresh

DatasetRefreshRequest

Power BI dataset refresh request

[\[+\] Expand table](#)

Name	Type	Description
applyRefreshPolicy	boolean	Determine if the policy is applied or not
commitMode	Dataset Commit Mode	Determines if objects will be committed in batches or only when complete
effectiveDate	string	If an incremental refresh policy is applied, the <code>effectiveDate</code> parameter overrides the current date.
maxParallelism	integer	The maximum number of threads on which to run parallel processing commands
notifyOption	Notify Option	Mail notification options. This parameter is not applicable to enhanced refreshes or API operations with a service principal.
objects	Dataset Refresh Objects[]	An array of objects to be processed
retryCount	integer	Number of times the operation will retry before failing. Temporary internal errors may trigger a retry of the refresh, even when this parameter is set to 0.
type	Dataset RefreshType	The type of processing to perform

DatasetRefreshType

The type of processing to perform

[+] Expand table

Name	Type	Description
Automatic	string	If the object needs to be refreshed and recalculated, refresh and recalculate the object and all its dependents. Applies if the partition is in a state other than Ready.
Calculate	string	Recalculate this object and all its dependents, but only if needed. This value doesn't force recalculation, except for volatile formulas.
ClearValues	string	Clear values in this object and all its dependents
DataOnly	string	Refresh data in this object and clear all dependents
Defragment	string	Defragment the data in the specified table. As data is added to or removed from a table, the dictionaries of each column can become polluted with values that no longer exist in the actual column

values. The defragment option will clean up the values in the dictionaries that are no longer used.

Full	string	For all partitions in the specified partition, table, or database, refresh data and recalculate all dependents. For a calculation partition, recalculate the partition and all its dependents.
------	--------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

NotifyOption

Mail notification options

[\[+\] Expand table](#)

Name	Type	Description
MailOnCompletion	string	A mail notification indicating success or failure will be sent on refresh completion
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

Datasets - Set All Dataset Connections

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates all connections for the specified dataset from **My workspace**. This API call only supports SQL DirectQuery datasets.

i Important

This API call is deprecated and no longer supported. This API call isn't compatible with [enhanced dataset metadata](#).

Instead use:

[Update Parameters](#) to update connections for SQL, Azure Synapse, OData, and SharePoint data sources.

[Update Datasources](#) to connections for other data sources.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/Default.SetAllConnections`

URI Parameters

[] [Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID

Request Body

[Expand table](#)

Name	Required	Type	Description
connectionString	True	string	A dataset connection string

Responses

[Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.SetAllConnections
```

Request Body

JSON

```
{
  "connectionString": "data source=MyServer.database.windows.net;initial catalog=MyDatabase;persist security info=True;encrypt=True;trustservercertificate=False"
}
```

Sample response

Status code: 200

Definitions

ConnectionDetails

A connection string wrapper

 Expand table

Name	Type	Description
connectionString	string	A dataset connection string

Datasets - Set All Dataset Connections In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates all connections for the specified dataset from the specified workspace. This API call only supports SQL DirectQuery datasets.

Important

This API call is deprecated and no longer supported. This API call isn't compatible with [enhanced dataset metadata](#).

Instead use:

[Update Parameters In Group](#) to update connections for SQL, Azure Synapse, OData, and SharePoint data sources.

[Update Datasources In Group](#) to connections for other data sources.

Required Scope

Dataset.ReadWrite.All

Limitations

Supports SQL DirectQuery datasets.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/Default.SetAllConnections`

URI Parameters

[\[\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Request Body

[\[\] Expand table](#)

Name	Required	Type	Description
connectionString	True	string	A dataset connection string

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.SetAllConnections
```

Request Body

JSON

```
{  
    "connectionString": "data source=MyServer.database.windows.net;initial  
catalog=MyDatabase;persist security  
info=True;encrypt=True;trustservercertificate=False"  
}
```

Sample response

Status code: 200

Definitions

ConnectionDetails

A connection string wrapper

[Expand table](#)

Name	Type	Description
connectionString	string	A dataset connection string

Datasets - Take Over In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Transfers ownership over the specified dataset to the current authorized user.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/Default.TakeOver</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[\[+\] Expand table](#)

Name	Type	Description

200 OK

OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.TakeOver
```

Sample response

Status code: 200

Datasets - Trigger Query Scale Out Sync

Reference

Service: Power BI REST APIs

API Version: v1.0

Triggers a query scale-out sync of read-only replicas for the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/queryScaleOut-sync</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Dataset QueryScale OutSync Status	OK

Examples

Trigger query scale-out sync example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/queryScaleOut/sync
```

Sample response

Status code: 200

JSON

```
{  
    "commitVersion": 133186221251720662,  
    "commitTimestamp": "2023-01-19T17:15:25.172066Z",  
    "targetSyncVersion": 133184583205771509,  
    "targetSyncTimestamp": "2023-01-17T19:45:20.5771509Z",  
    "triggerReason": "explicit",  
    "syncStartTime": "2023-01-17T20:37:49.9625479Z",  
    "syncEndTime": "2023-01-17T20:37:50.6029293Z",  
    "minActiveReadVersion": 133184583205771509,  
    "minActiveReadTimestamp": "2023-01-17T19:45:20.5771509Z",  
    "scaleOutStatus": "Enabled"  
}
```

Definitions

[+] Expand table

Name	Description
DatasetQueryScaleOutSyncStatus	Dataset query scale-out sync status
QueryScaleOutStatus	Query scale-out status
QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

DatasetQueryScaleOutSyncStatus

Dataset query scale-out sync status

[+] Expand table

Name	Type	Description
commitTimestamp	string	Timestamp indicating the latest commit version
commitVersion	integer	Latest commit version
minActiveReadTimestamp	string	Timestamp indicating the minimum active read version
minActiveReadVersion	integer	Minimum active read version
scaleOutStatus	QueryScaleOutStatus	Query scale-out status
syncEndTime	string	Timestamp indicating when last sync ended
syncStartTime	string	Timestamp indicating when last sync started
targetSyncTimestamp	string	Timestamp indicating the target sync version
targetSyncVersion	integer	Target sync version
triggerReason	QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

QueryScaleOutStatus

Query scale-out status

[\[+\] Expand table](#)

Name	Type	Description
Enabled	string	Query scale-out is enabled
ReadOnlyReplicasDisabled	string	Query scale-out max read-only replicas is set to 0
StorageModeNotSupported	string	Query scale-out is not supported for dataset's storage mode
TenantSettingDisabled	string	Query scale-out tenant setting is disabled

QueryScaleOutSyncTriggerReason

Query scale-out sync trigger reason

[\[\] Expand table](#)

Name	Type	Description
automatic	string	Sync was automatically triggered
explicit	string	Sync was explicitly triggered
system	string	Sync was triggered following a system event

Datasets - Trigger Query Scale Out Sync In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Triggers a query scale-out sync of read-only replicas for the specified dataset from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

HTTP
<p>POST <code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/queryScaleOut.sync</code></p>

URI Parameters

[] [Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Dataset	OK
	QueryScale	
	OutSync	
	Status	

Examples

Trigger query scale-out sync example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/queryScaleOut-sync
```

Sample response

Status code: 200

JSON

```
{
  "commitVersion": 133186221251720662,
  "commitTimestamp": "2023-01-19T17:15:25.172066Z",
  "targetSyncVersion": 133184583205771509,
  "targetSyncTimestamp": "2023-01-17T19:45:20.5771509Z",
  "triggerReason": "explicit",
  "syncStartTime": "2023-01-17T20:37:49.9625479Z",
  "syncEndTime": "2023-01-17T20:37:50.6029293Z",
  "minActiveReadVersion": 133184583205771509,
  "minActiveReadTimestamp": "2023-01-17T19:45:20.5771509Z",
  "scaleOutStatus": "Enabled"
}
```

Definitions

[\[\] Expand table](#)

Name	Description
DatasetQueryScaleOutSyncStatus	Dataset query scale-out sync status
QueryScaleOutStatus	Query scale-out status
QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

DatasetQueryScaleOutSyncStatus

Dataset query scale-out sync status

[+] [Expand table](#)

Name	Type	Description
commitTimestamp	string	Timestamp indicating the latest commit version
commitVersion	integer	Latest commit version
minActiveReadTimestamp	string	Timestamp indicating the minimum active read version
minActiveReadVersion	integer	Minimum active read version
scaleOutStatus	QueryScaleOutStatus	Query scale-out status
syncEndTime	string	Timestamp indicating when last sync ended
syncStartTime	string	Timestamp indicating when last sync started
targetSyncTimestamp	string	Timestamp indicating the target sync version
targetSyncVersion	integer	Target sync version
triggerReason	QueryScaleOutSyncTriggerReason	Query scale-out sync trigger reason

QueryScaleOutStatus

Query scale-out status

[+] [Expand table](#)

Name	Type	Description
Enabled	string	Query scale-out is enabled
ReadOnlyReplicasDisabled	string	Query scale-out max read-only replicas is set to 0
StorageModeNotSupported	string	Query scale-out is not supported for dataset's storage mode
TenantSettingDisabled	string	Query scale-out tenant setting is disabled

QueryScaleOutSyncTriggerReason

Query scale-out sync trigger reason

[Expand table](#)

Name	Type	Description
automatic	string	Sync was automatically triggered
explicit	string	Sync was explicitly triggered
system	string	Sync was triggered following a system event

Datasets - Update Dataset

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the properties for the specified dataset from **My workspace**.

Permissions

The user must be the dataset owner.

Required Scope

Dataset.ReadWrite.All

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Request Body

[\[+\] Expand table](#)

Name	Type	Description
queryScaleOutSettings	DatasetQueryScaleOutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

[+] Expand table

Example of changing the dataset storage mode to support large datasets
Example of changing the dataset storage mode to support small datasets
Example of updating scale-out settings of a dataset

Example of changing the dataset storage mode to support large datasets

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Request Body

JSON

```
{  
    "targetStorageMode": "PremiumFiles"  
}
```

Sample response

Status code: 200

Example of changing the dataset storage mode to support small datasets

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Request Body

JSON

```
{  
    "targetStorageMode": "Abf"  
}
```

Sample response

Status code: 200

Example of updating scale-out settings of a dataset

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Request Body

JSON

```
{  
    "queryScaleOutSettings": {  
        "autoSyncReadOnlyReplicas": false,  
        "maxReadOnlyReplicas": -1  
    }  
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
DatasetQueryScaleOutSettings	Query scale-out settings of a dataset
UpdateDatasetRequest	Update dataset request

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[\[+\] Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

UpdateDatasetRequest

Update dataset request

[\[+\] Expand table](#)

Name	Type	Description
queryScaleOutSettings	DatasetQueryScaleOutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode

Datasets - Update Dataset In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the properties for the specified dataset from the specified workspace.

Permissions

The user must be the dataset owner.

Required Scope

Dataset.ReadWrite.All

HTTP

PATCH

<https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Type	Description
queryScaleOutSettings	DatasetQueryScaleOutSettings	Query scale-out settings of a dataset

targetStorageMode	string	The dataset storage mode
-------------------	--------	--------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

[+] Expand table

Example of changing the dataset storage mode to support large datasets

Example of changing the dataset storage mode to support small datasets

Example of updating scale-out settings of a dataset

Example of changing the dataset storage mode to support large datasets

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Request Body

JSON

```
{  
  "targetStorageMode": "PremiumFiles"  
}
```

Sample response

Status code: 200

Example of changing the dataset storage mode to support small datasets

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Request Body

JSON

```
{  
  "targetStorageMode": "Abf"  
}
```

Sample response

Status code: 200

Example of updating scale-out settings of a dataset

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229
```

Request Body

JSON

```
{  
  "queryScaleOutSettings": {  
    "autoSyncReadOnlyReplicas": false,  
    "maxReadOnlyReplicas": -1  
  }  
}
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
DatasetQueryScaleOutSettings	Query scale-out settings of a dataset
UpdateDatasetRequest	Update dataset request

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

UpdateDatasetRequest

Update dataset request

[+] [Expand table](#)

Name	Type	Description
queryScaleOutSettings	DatasetQueryScaleOutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode

Datasets - Update Datasources

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the data sources of the specified dataset from **My workspace**.

ⓘ Note

We recommend using [enhanced dataset metadata](#) with this API call.

ⓘ Important

The original data source and the new data source must have the exact same schema.

If you're using [enhanced dataset metadata](#), refresh the dataset to get data from the new data sources.

If you're not using [enhanced dataset metadata](#), wait 30 minutes for the update data sources operation to complete, and then refresh the dataset.

Permissions

The user must be the dataset owner.

Limitations

Datasets created or modified using the public [XMLA endpoint](#) aren't supported. To make changes to those data sources, the admin must use the Azure Analysis Services client library for Tabular Object Model.

Only these data sources are supported: SQL Server, Azure SQL Server, Azure Analysis Services, Azure Synapse, OData, SharePoint, Teradata, and SAP HANA. For other data sources, use the [Update Parameters](#) API call.

Changing the data source type isn't supported.

Data sources that contain parameters in the connection string aren't supported.

Updating data sources that are part of merged or joined tables is only supported if you're using [enhanced dataset metadata](#).

For an Advanced Query that references multiple data sources, only the first data source will be updated. To overcome this limitation, define the data source as a parameter and use the [Update Parameters](#) API call.

Datasets with incremental refresh policy are not fully supported, calling this API may not work as expected and result of partial datasources update, to overcome this you can try run a dataset refresh before calling this API.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/Default.UpdateDatasources`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Request Body

[+] Expand table

Name	Required	Type	Description
updateDetails	True	UpdateDatasourceConnectionRequest[]	An array of data source connection update requests

Responses

[+] Expand table

Name	Type	Description

200 OK

OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.UpdateDatasources
```

Request Body

JSON

```
{
  "updateDetails": [
    {
      "datasourceSelector": {
        "datasourceType": "Sql",
        "connectionDetails": {
          "server": "My-Sql-Server",
          "database": "My-Sql-Database"
        }
      },
      "connectionDetails": {
        "server": "New-Sql-Server",
        "database": "New-Sql-Database"
      }
    },
    {
      "datasourceSelector": {
        "datasourceType": "OData",
        "connectionDetails": {
          "url": "http://services.odata.org/V4/Northwind/Northwind.svc"
        }
      },
      "connectionDetails": {
        "url": "http://services.odata.org/V4/Odata/Northwind.svc"
      }
    }
  ]
}
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
Datasource	A Power BI data source
DatasourceConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
UpdateDatasourceConnectionRequest	Power BI dataset data source connection update request
UpdateDatasourcesRequest	Power BI dataset data sources update request

Datasource

A Power BI data source

[+] [Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[+] [Expand table](#)

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

UpdateDatasourceConnectionRequest

Power BI dataset data source connection update request

[+] [Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The target connection details of the updated data source
datasourceSelector	Datasource	The connection details of the data source that needs update. This is mandatory when a dataset has more than one data source.

UpdateDatasourcesRequest

Power BI dataset data sources update request

[\[+\] Expand table](#)

Name	Type	Description
updateDetails	Update Datasource Connection Request[]	An array of data source connection update requests

Datasets - Update Datasources In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the data sources of the specified dataset from the specified workspace.

ⓘ Note

We recommend using [enhanced dataset metadata](#) with this API call.

ⓘ Important

The original data source and the new data source must have the exact same schema.

If you're using [enhanced dataset metadata](#), refresh the dataset to get data from the new data sources.

If you're not using [enhanced dataset metadata](#), wait 30 minutes for the update data sources operation to complete, and then refresh the dataset.

Permissions

The user must be the dataset owner.

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

Datasets created or modified using the public [XMLA endpoint](#) aren't supported. To make changes to those data sources, the admin must use the Azure Analysis Services client library for Tabular Object Model.

Only these data sources are supported: SQL Server, Azure SQL Server, Azure Analysis Services, Azure Synapse, OData, SharePoint, Teradata, and SAP HANA. For

other data sources, use the [Update Parameters In Group](#) API call.

Changing the data source type isn't supported.

Data sources that contain parameters in the connection string aren't supported.

Updating data sources that are part of merged or joined tables is only supported if you're using [enhanced dataset metadata](#).

For an Advanced Query that reference multiple data sources, only the first data source will be updated. To overcome this limitation, define the data source as a parameter and use the [Update Parameters In Group](#) API call.

Datasets with incremental refresh policy are not fully supported, calling this API may not work as expected and result of partial datasources update, to overcome this you can try run a dataset refresh before calling this API.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/Default.UpdateDatasources`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	
groupId	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description
updateDetails	True	UpdateDatasourceConnectionRequest[]	An array of data source connection update requests

Responses

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.UpdateDatasources
```

Request Body

JSON

```
{
  "updateDetails": [
    {
      "datasourceSelector": {
        "datasourceType": "Sql",
        "connectionDetails": {
          "server": "My-Sql-Server",
          "database": "My-Sql-Database"
        }
      },
      "connectionDetails": {
        "server": "New-Sql-Server",
        "database": "New-Sql-Database"
      }
    },
    {
      "datasourceSelector": {
        "datasourceType": "OData",
        "connectionDetails": {
          "url": "http://services.odata.org/V4/Northwind/Northwind.svc"
        }
      },
      "connectionDetails": {
        "url": "http://services.odata.org/V4/Odata/Northwind.svc"
      }
    }
  ]
}
```

```
        ]  
    }
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
Datasource	A Power BI data source
DatasourceConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
UpdateDatasourceConnectionRequest	Power BI dataset data source connection update request
UpdateDatasourcesRequest	Power BI dataset data sources update request

Datasource

A Power BI data source

[+] [Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceld	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers

to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.

name	string	(Deprecated) The data source name. Available only for DirectQuery.
------	--------	--------------------------------------------------------------------

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[+] [Expand table](#)

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

UpdateDatasourceConnectionRequest

Power BI dataset data source connection update request

[+] [Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The target connection details of the updated data source

datasourceSelector	Datasource	The connection details of the data source that needs update. This is mandatory when a dataset has more than one data source.
--------------------	----------------------------	------------------------------------------------------------------------------------------------------------------------------

UpdateDatasourcesRequest

Power BI dataset data sources update request

[+] [Expand table](#)

Name	Type	Description
updateDetails	Update Datasource Connection Request[]	An array of data source connection update requests

Datasets - Update Direct Query Refresh Schedule

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the refresh schedule for a specified [DirectQuery](#) or [LiveConnection](#) dataset from [My workspace](#).

A request should contain either a set of days and times *or* a valid frequency, but not both. If you choose a set of days without specifying any times, then Power BI will use a default single time per day. Setting the frequency will automatically overwrite the days and times setting.

Permissions

The user must be the dataset owner.

Required Scope

Dataset.ReadWrite.All

HTTP
PATCH
<code>https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/directQueryRefreshSchedule</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
value	True	DirectQueryRefreshSchedule	An object containing the refresh schedule details for DirectQuery or LiveConnection

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

[\[+\] Expand table](#)

Disable a scheduled refresh example
Set a days and times based schedule example
Set a frequency based schedule example
Update the times of a days and times based schedule example

Disable a scheduled refresh example

Sample request

HTTP
<pre>PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule</pre>

Request Body

JSON
<pre>{ "value": { "enabled": false } }</pre>

```
}
```

Sample response

Status code: 200

Set a days and times based schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Request Body

JSON

```
{
  "value": {
    "days": [
      "Sunday",
      "Tuesday",
      "Friday",
      "Saturday"
    ],
    "times": [
      "07:00",
      "11:30",
      "16:00",
      "23:30"
    ],
    "localTimezoneId": "UTC"
  }
}
```

Sample response

Status code: 200

Set a frequency based schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Request Body

JSON

```
{  
  "value": {  
    "frequency": 30  
  }  
}
```

Sample response

Status code: 200

Update the times of a days and times based schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Request Body

JSON

```
{  
  "value": {  
    "times": [  
      "07:00",  
      "16:30",  
      "23:30"  
    ]  
  }  
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
days	The days on which to execute the refresh
DirectQueryRefreshSchedule	A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.
DirectQueryRefreshScheduleRequest	Power BI refresh schedule request for DirectQuery or LiveConnection

days

The days on which to execute the refresh

[\[+\] Expand table](#)

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

DirectQueryRefreshSchedule

A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.

[\[+\] Expand table](#)

Name	Type	Description
days	days[]	The days on which to execute the refresh

frequency	integer	The interval in minutes between successive refreshes. Supported values are 15, 30, 60, 120, and 180.
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info
times	string[]	The times of day to execute the refresh

DirectQueryRefreshScheduleRequest

Power BI refresh schedule request for DirectQuery or LiveConnection

[\[+\] Expand table](#)

Name	Type	Description
value	DirectQuery Refresh Schedule	An object containing the refresh schedule details for DirectQuery or LiveConnection

Datasets - Update Direct Query Refresh Schedule In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the refresh schedule for a specified [DirectQuery](#) or [LiveConnection](#) dataset from the specified workspace.

A request should contain either a set of days and times *or* a valid frequency, but not both. If you choose a set of days without specifying any times, then Power BI will use a default single time per day. Setting the frequency will automatically overwrite the days and times setting.

Permissions

The user must be the dataset owner.

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

HTTP
PATCH
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/directQueryRefreshSchedule</code>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

groupId	path	True	string uuid	The workspace ID
----------------	------	------	----------------	------------------

Request Body

[+] [Expand table](#)

Name	Required	Type	Description
value	True	DirectQueryRefreshSchedule	An object containing the refresh schedule details for DirectQuery or LiveConnection

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

[+] [Expand table](#)

Set a days and times based schedule example
Set a frequency based schedule example
Update the times of an existing days and times based schedule example

Set a days and times based schedule example

Sample request

HTTP
<pre>PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule</pre>

Request Body

JSON

```
{  
    "value": {  
        "days": [  
            "Sunday",  
            "Tuesday",  
            "Friday",  
            "Saturday"  
        ],  
        "times": [  
            "07:00",  
            "11:30",  
            "16:00",  
            "23:30"  
        ],  
        "localTimeZoneId": "UTC"  
    }  
}
```

Sample response

Status code: 200

Set a frequency based schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-  
a46fb27ff229/directQueryRefreshSchedule
```

Request Body

JSON

```
{  
    "value": {  
        "frequency": 30  
    }  
}
```

Sample response

Status code: 200

Update the times of an existing days and times based schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/directQueryRefreshSchedule
```

Request Body

JSON

```
{
  "value": {
    "times": [
      "07:00",
      "16:30",
      "23:30"
    ]
  }
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
days	The days on which to execute the refresh
DirectQueryRefreshSchedule	A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.
DirectQueryRefreshScheduleRequest	Power BI refresh schedule request for DirectQuery or LiveConnection

days

The days on which to execute the refresh

[+] Expand table

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

DirectQueryRefreshSchedule

A Power BI refresh schedule for DirectQuery or LiveConnection, specifying either the frequency or a combination of days and times.

[+] Expand table

Name	Type	Description
days	days[]	The days on which to execute the refresh
frequency	integer	The interval in minutes between successive refreshes. Supported values are 15, 30, 60, 120, and 180.
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info
times	string[]	The times of day to execute the refresh

DirectQueryRefreshScheduleRequest

Power BI refresh schedule request for DirectQuery or LiveConnection

[+] Expand table

Name	Type	Description

value	DirectQuery	An object containing the refresh schedule details for DirectQuery or
	Refresh	LiveConnection
	Schedule	

Datasets - Update Parameters

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the parameters values for the specified dataset from **My workspace**.

ⓘ Note

We recommend using [enhanced dataset metadata](#) with this API call.

ⓘ Important

If you're using **enhanced dataset metadata**, refresh the dataset to apply the new parameter values.

If you're not using **enhanced dataset metadata**, wait 30 minutes for the update data sources operation to complete, and then refresh the dataset.

Permissions

The user must be the dataset owner.

Required Scope

Dataset.ReadWrite.All

Limitations

Datasets created or modified using the public [XMLA endpoint](#) aren't supported. To make changes to those datasets, the admin must use the Azure Analysis Services client library for Tabular Object Model.

[DirectQuery](#) connections are only supported with [enhanced dataset metadata](#).

Datasets with Azure Analysis Services live connections aren't supported.

Maximum of 100 parameters per request.

All specified parameters must exist in the dataset.

Parameters values should be of the expected type.

The parameter list can't be empty or include duplicate parameters.

Parameters names are case-sensitive.

Parameter `IsRequired` must have a non-empty value.

The parameter types `Any` and `Binary` can't be updated.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/Default.UpdateParameters`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID

Request Body

[+] Expand table

Name	Required	Type	Description
<code>updateDetails</code>	True	<code>UpdateMashupParameterDetails[]</code>	A list of dataset parameters to update

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.UpdateParameters
```

Request Body

JSON

```
{
  "updateDetails": [
    {
      "name": "DatabaseName",
      "newValue": "NewDB"
    },
    {
      "name": "MaxId",
      "newValue": "5678"
    }
  ]
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
UpdateMashupParameterDetails	The update details for a Power BI dataset parameter
UpdateMashupParametersRequest	An update request for a Power BI dataset parameter

UpdateMashupParameterDetails

The update details for a Power BI dataset parameter

[+] Expand table

Name	Type	Description
------	------	-------------

name	string	The parameter name
newValue	string	The new value for the parameter

UpdateMashupParametersRequest

An update request for a Power BI dataset parameter

[\[+\] Expand table](#)

Name	Type	Description
updateDetails	Update Mashup Parameter Details[]	A list of dataset parameters to update

Datasets - Update Parameters In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the parameters values for the specified dataset from the specified workspace.

ⓘ Note

We recommend using [enhanced dataset metadata](#) with this API call.

ⓘ Important

If you're using [enhanced dataset metadata](#), refresh the dataset to apply the new parameter values.

If you're not using [enhanced dataset metadata](#), wait 30 minutes for the update data sources operation to complete, and then refresh the dataset.

Permissions

The user must be the dataset owner.

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

Datasets created or modified using the public [XMLA endpoint](#) aren't supported. To make changes to those datasets, the admin must use the Azure Analysis Services client library for Tabular Object Model.

[DirectQuery](#) connections are only supported with [enhanced dataset metadata](#).

Datasets with Azure Analysis Services live connections aren't supported.

Maximum of 100 parameters per request.

All specified parameters must exist in the dataset.

Parameters values should be of the expected type.
The parameter list can't be empty or include duplicate parameters.
Parameters names are case-sensitive.
Parameter `IsRequired` must have a non-empty value.
The parameter types `Any` and `Binary` can't be updated.

HTTP
<code>POST</code>
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/Default.UpdateParameters</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	
<code>groupId</code>	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Required	Type	Description
<code>updateDetails</code>	True	<code>UpdateMashupParameterDetails[]</code>	A list of dataset parameters to update

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.UpdateParameters
```

Request Body

JSON

```
{
  "updateDetails": [
    {
      "name": "DatabaseName",
      "newValue": "NewDB"
    },
    {
      "name": "MaxId",
      "newValue": "5678"
    }
  ]
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
UpdateMashupParameterDetails	The update details for a Power BI dataset parameter
UpdateMashupParametersRequest	An update request for a Power BI dataset parameter

UpdateMashupParameterDetails

The update details for a Power BI dataset parameter

[Expand table](#)

Name	Type	Description
name	string	The parameter name
newValue	string	The new value for the parameter

UpdateMashupParametersRequest

An update request for a Power BI dataset parameter

[Expand table](#)

Name	Type	Description
updateDetails	Update Mashup Parameter Details[]	A list of dataset parameters to update

Datasets - Update Refresh Schedule

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the refresh schedule for the specified dataset from **My workspace**.

A request that disables the refresh schedule should contain no other changes.

At least one day must be specified. If no times are specified, then Power BI will use a default single time per day.

Permissions

The user must be the dataset owner.

Required Scope

Dataset.ReadWrite.All

Limitations

The limit on the number of time slots per day depends on whether a [Premium](#) or Shared capacity is used.

HTTP

PATCH

<https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/refreshSchedule>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
value	True	RefreshSchedule	An object that contains the details of a refresh schedule

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

[\[+\] Expand table](#)

Change the days and times of a refresh schedule example
Change the notification option of a refresh schedule example
Disable a scheduled refresh example
Update the times of a refresh schedule example

Change the days and times of a refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{  
  "value": {
```

```
"days": [
    "Sunday",
    "Tuesday",
    "Friday",
    "Saturday"
],
"times": [
    "07:00",
    "11:30",
    "16:00",
    "23:30"
],
"localTimezoneId": "UTC"
}
}
```

Sample response

Status code: 200

Change the notification option of a refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{
    "value": {
        "notifyOption": "NoNotification"
    }
}
```

Sample response

Status code: 200

Disable a scheduled refresh example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{  
  "value": {  
    "enabled": false  
  }  
}
```

Sample response

Status code: 200

Update the times of a refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{  
  "value": {  
    "times": [  
      "08:00",  
      "16:00"  
    ]  
  }  
}
```

Sample response

Status code: 200

Definitions

[Expand table](#)

Name	Description
days	The days on which to execute the refresh
RefreshSchedule	A Power BI refresh schedule for imported model
RefreshSchedule Request	Power BI refresh schedule request
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.

days

The days on which to execute the refresh

[Expand table](#)

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[Expand table](#)

Name	Type	Description
NotifyOption	<code>Schedule Notify Option</code>	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.

days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

RefreshScheduleRequest

Power BI refresh schedule request

[\[\] Expand table](#)

Name	Type	Description
value	Refresh Schedule	An object that contains the details of a refresh schedule

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[\[\] Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

Datasets - Update Refresh Schedule In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the refresh schedule for the specified dataset from the specified workspace.

A request that disables the refresh schedule should contain no other changes.

At least one day must be specified. If no times are specified, then Power BI will use a default single time per day.

Permissions

The user must be the dataset owner.

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

The limit on the number of time slots per day depends on whether a [Premium](#) or Shared capacity is used.

HTTP

PATCH

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/refreshSchedule`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Request Body

[\[\] Expand table](#)

Name	Required	Type	Description
value	True	RefreshSchedule	An object that contains the details of a refresh schedule

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

[\[\] Expand table](#)

Change the days and times of a refresh schedule example
Change the notification option of a refresh schedule example
Disable a scheduled refresh example
Update the times of a refresh schedule example

Change the days and times of a refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{  
    "value": {  
        "days": [  
            "Sunday",  
            "Tuesday",  
            "Friday",  
            "Saturday"  
        ],  
        "times": [  
            "07:00",  
            "11:30",  
            "16:00",  
            "23:30"  
        ],  
        "localTimezoneId": "UTC"  
    }  
}
```

Sample response

Status code: 200

Change the notification option of a refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{  
    "value": {  
        "notifyOption": "NoNotification"  
    }  
}
```

```
}
```

Sample response

Status code: 200

Disable a scheduled refresh example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{
  "value": {
    "enabled": false
  }
}
```

Sample response

Status code: 200

Update the times of a refresh schedule example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/refreshSchedule
```

Request Body

JSON

```
{
  "value": {
```

```
        "times": [
          "08:00",
          "16:00"
        ]
      }
    }
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
days	The days on which to execute the refresh
RefreshSchedule	A Power BI refresh schedule for imported model
RefreshSchedule Request	Power BI refresh schedule request
ScheduleNotify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.

days

The days on which to execute the refresh

[+] Expand table

Name	Type	Description
Friday	string	
Monday	string	
Saturday	string	
Sunday	string	
Thursday	string	
Tuesday	string	
Wednesday	string	

RefreshSchedule

A Power BI refresh schedule for [imported model](#)

[+] [Expand table](#)

Name	Type	Description
NotifyOption	Schedule Notify Option	The notification option on termination of a scheduled refresh. Service principals only support the <code>NoNotification</code> value.
days	days[]	The days on which to execute the refresh
enabled	boolean	Whether the refresh is enabled
localTimeZoneId	string	The ID of the time zone to use. For more information, see Time zone info .
times	string[]	The times of day to execute the refresh

RefreshScheduleRequest

Power BI refresh schedule request

[+] [Expand table](#)

Name	Type	Description
value	Refresh Schedule	An object that contains the details of a refresh schedule

ScheduleNotifyOption

The notification option on termination of a scheduled refresh. Service principals only support the `NoNotification` value.

[+] [Expand table](#)

Name	Type	Description
MailOnFailure	string	A mail notification will be sent on refresh failure
NoNotification	string	No notification will be sent

Embed Token

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Dashboards GenerateTokenInGroup	Generates an embed token to view the specified dashboard from the specified workspace.
Datasets GenerateTokenInGroup	Generates an embed token based on the specified dataset from the specified workspace.
Generate Token	Generates an embed token for multiple reports, datasets, and target workspaces.
Reports GenerateTokenForCreateInGroup	Generates an embed token to allow report creation in the specified workspace based on the specified dataset.
Reports GenerateTokenInGroup	Generates an embed token to view or edit the specified report from the specified workspace.
Tiles GenerateTokenInGroup	Generates an embed token to view the specified tile from the specified workspace.

Embed Token - Dashboards

GenerateTokenInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Generates an embed token to view the specified dashboard from the specified workspace.

Important

This API call is only relevant to the [embed for your customers](#) scenario. To learn more about using this API, see [Considerations when generating an embed token](#).

Permissions

When using a service principal for authentication, refer to [Embed Power BI content with service principal](#) and [Considerations and limitations](#).

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

All of the following:

Dashboard.ReadWrite.All or Dashboard.Read.All

Report.ReadWrite.All or Report.Read.All

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/{dashboardId}/GenerateToken`

URI Parameters

[\[\] Expand table](#)

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
groupId	path	True	string uuid	The workspace ID

Request Body

[\[\] Expand table](#)

Name	Type	Description
accessLevel	Token Access Level	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Embed Token	OK

Examples

 Expand table

Generate a dashboard embed token using an effective identity with an identity blob example

Generate a dashboard embed token with multiple identities example

Generate a dashboard embed token using an effective identity with an identity blob example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/GenerateToken
```

Request Body

JSON

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
```

```
        "expiration": "2018-07-29T17:58:19Z"  
    }  
}
```

Generate a dashboard embed token with multiple identities example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/GenerateToken
```

Request Body

JSON

```
{  
    "accessLevel": "View",  
    "identities": [  
        {  
            "username": "john@contoso.com",  
            "roles": [  
                "sales"  
            ],  
            "datasets": [  
                "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
            ]  
        },  
        {  
            "username": "john_contoso",  
            "roles": [  
                "product"  
            ],  
            "datasets": [  
                "a8b062ca-5730-468f-9df7-43c2ba76bf5e"  
            ]  
        }  
    ]  
}
```

Sample response

Status code: 200

JSON

```
{
  "token": "H4sI....AAA=",
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
  "expiration": "2018-07-29T17:58:19Z"
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
Effectiveldentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
EmbedToken	A Power BI embed token
GenerateToken Request	Power BI Generate Token Request
IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL
TokenAccessLevel	The required access level for embed token generation

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[\[+\] Expand table](#)

Name	Type	Description
auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies

identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.
reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role can contain any character except , , and its length must not exceed 50 characters.
username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters . , - , _ , ! , # , ^ , ~ , \ , @ . For cloud models, the username can contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.

EmbedToken

A Power BI embed token

[\[+\] Expand table](#)

Name	Type	Description
expiration	string	The date and time (UTC) of token expiration
token	string	The embed token
tokenId	string	The unique token ID. Through audit logs, the token ID can be used to correlate operations that use the token with the generate operation.

GenerateTokenRequest

Power BI Generate Token Request

[\[+\] Expand table](#)

Name	Type	Description
accessLevel	Token AccessLevel	The required access level for embed token generation

allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
value	string	An OAuth 2.0 access token for Azure SQL

TokenAccessLevel

The required access level for embed token generation

[\[+\] Expand table](#)

Name	Type	Description
Create	string	Indicates that the generated embed token grants create permission. Only applies when you generate an embed token for report creation.
Edit	string	Indicates that the generated embed token grants view and edit permissions. Only applies when you generate an embed token for report embedding.
View	string	Indicates that the generated embed token grants view-only permission

Embed Token - Datasets GenerateTokenInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Generates an embed token based on the specified dataset from the specified workspace.

💡 Tip

To create embed tokens, it's recommended to use the latest API, [Generate Token](#). Generate token supports additional functions, such as creating a token for multiple items.

ⓘ Note

An embed token can be used to [embed Q&A](#) within your application.

ⓘ Important

This API call is only relevant to the [embed for your customers](#) scenario. To learn more about using this API, see [Considerations when generating an embed token](#).

Permissions

When using a service principal for authentication, refer to [Embed Power BI content with service principal](#) and [Considerations and limitations](#).

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

POST

<https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/GenerateToken>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID

Request Body

[\[+\] Expand table](#)

Name	Type	Description
accessLevel	Token Access Level	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

Responses

[+] Expand table

Name	Type	Description
200 OK	Embed Token	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/GenerateToken
```

Request Body

JSON

```
{  
  "accessLevel": "View"  
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2018-07-29T17:58:19Z"  
}
```

Definitions

[+] Expand table

Name	Description
------	-------------

Effectiveldentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
EmbedToken	A Power BI embed token
GenerateToken Request	Power BI Generate Token Request
IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL
TokenAccessLevel	The required access level for embed token generation

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[\[+\] Expand table](#)

Name	Type	Description
auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies
identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.
reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role can contain any character except <code>,</code> , and its length must not exceed 50 characters.
username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters <code>,</code> , <code>-</code> , <code>_</code> , <code>!</code> , <code>#</code> , <code>^</code> , <code>~</code> , <code>\</code> , <code>@</code> . For cloud models, the username can

contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.

EmbedToken

A Power BI embed token

[Expand table](#)

Name	Type	Description
expiration	string	The date and time (UTC) of token expiration
token	string	The embed token
tokenId	string	The unique token ID. Through audit logs, the token ID can be used to correlate operations that use the token with the generate operation.

GenerateTokenRequest

Power BI Generate Token Request

[Expand table](#)

Name	Type	Description
accessLevel	Token AccessLevel	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
value	string	An OAuth 2.0 access token for Azure SQL

TokenAccessLevel

The required access level for embed token generation

[\[+\] Expand table](#)

Name	Type	Description
Create	string	Indicates that the generated embed token grants create permission. Only applies when you generate an embed token for report creation.
Edit	string	Indicates that the generated embed token grants view and edit permissions. Only applies when you generate an embed token for report embedding.
View	string	Indicates that the generated embed token grants view-only permission

Embed Token - Generate Token

Reference

Service: Power BI REST APIs

API Version: v1.0

Generates an embed token for multiple reports, datasets, and target workspaces.

Reports and datasets don't have to be related.

You can bind a report to a dataset during embedding.

You can only create a report in workspaces specified by the `targetWorkspaces` parameter.

ⓘ Important

This API call is only relevant to the [embed for your customers](#) scenario. To learn more about using this API, see [Considerations when generating an embed token](#).

Permissions

When using a service principal for authentication, refer to [Embed Power BI content with service principal](#) and [Considerations and limitations](#).

For Power BI reports with a paginated visual, include the paginated report ID in the API call. For more information, see [example](#).

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

All of the following, unless a requirement doesn't apply:

Content.Create, required if a target workspace is specified in [GenerateTokenRequestV2](#).

Report.ReadWrite.All or Report.Read.All, required if a report is specified in [GenerateTokenRequestV2](#).

Report.ReadWrite.All, required if the `allowEdit` flag is specified for at least one report in [GenerateTokenRequestV2](#).

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

You can only create a report in workspaces specified by the `targetWorkspaces` parameter.

All reports and datasets must reside in a **V2** workspace.

All target workspaces must be **V2** workspaces.

Maximum 50 reports.

Maximum 50 datasets.

Maximum 50 target workspaces.

For Azure Analysis Services or Analysis Services on-premises live connection reports, generating an embed token with row-level security (RLS) might not work for several minutes after a [rebind](#).

HTTP

`POST https://api.powerbi.com/v1.0/myorg/GenerateToken`

Request Body

[+] [Expand table](#)

Name	Type	Description
datasets	GenerateToken RequestV2Dataset[]	A list of datasets
datasourcelentities	Datasourcelentity[]	List of identities to use when connecting to data sources with Single Sign-On (SSO) enabled.
identities	Effectivedentity[]	The list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the token's expiration time, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to <code>null</code> , and will set the default expiration time.
reports	GenerateToken RequestV2Report[]	A list of reports
targetWorkspaces	GenerateToken RequestV2Target	The list of workspaces that the embed token will allow saving to

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Embed Token	OK

Examples

[\[\] Expand table](#)

Example of generating an embed token for a dataset and two reports example. Only one of the reports can be edited.

Example of generating an embed token for a paginated report which has a Power BI dataset as a datasource. The ID of the dataset must be specified in the request. The report and dataset can each have its own identity

Example of generating an embed token for a paginated report with a data source identity

Example of generating an embed token for a paginated report with multiple data source identities and a single identity blob

Example of generating an embed token for a paginated report with multiple data source identities and multiple identity blobs

Example of generating an embed token for a Power BI report with a dataset which is connected with DirectQuery to another Power BI dataset. All related dataset IDs must be specified in the request with 'xmlPermissions' set to 'ReadOnly'. IdentityBlobs for all SSO-enabled data sources must be provided in the 'datasourcelentities' array

Example of generating an embed token for a Power BI report with a paginated visual. The paginated report ID ('...4850') of the paginated visual must be included in the 'reports' section of the request.

Example of generating an embed token for two datasets with RLS identities and a single report with read-only permissions. The embed token lets you view the report, which is dynamically bound to two different datasets.

Example of generating an embed token that expires no later than ten minutes from the API call

Example of generating an embed token for a dataset and two reports example. Only one of the reports can be edited.

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{
  "datasets": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ],
  "reports": [
    {
      "allowEdit": true,
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"
    },
    {
      "id": "759908bb-ead8-4a43-9645-7ffbf921c68d"
    }
  ]
}
```

Sample response

Status code: 200

JSON

```
{
  "token": "H4sI....AAA=",
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
  "expiration": "2018-07-29T17:58:19Z"
}
```

Example of generating an embed token for a paginated report which has a Power BI dataset as a datasource. The

ID of the dataset must be specified in the request. The report and dataset can each have its own identity

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{
  "datasets": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "xmlaPermissions": "ReadOnly"
    }
  ],
  "reports": [
    {
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"
    }
  ],
  "identities": [
    {
      "username": "john@contoso.com",
      "roles": [
        "sales"
      ],
      "datasets": [
        "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
      ]
    },
    {
      "username": "john@contoso.com",
      "reports": [
        "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"
      ]
    }
  ]
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2028-07-29T17:58:19Z"  
}
```

Example of generating an embed token for a paginated report with a data source identity

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{  
  "reports": [  
    {  
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"  
    }  
  ],  
  "datasourceIdentities": [  
    {  
      "datasources": [  
        {  
          "datasourceType": "Sql",  
          "connectionDetails": {  
            "server": "New-Sql-Server",  
            "database": "New-Sql-Database"  
          }  
        }  
      ],  
      "identityBlob": "eyJ0eX...AAA="  
    }  
  ]  
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2028-07-29T17:58:19Z"  
}
```

Example of generating an embed token for a paginated report with multiple data source identities and a single identity blob

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{  
  "reports": [  
    {  
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"  
    }  
  ],  
  "datasourceIdentities": [  
    {  
      "datasources": [  
        {  
          "datasourceType": "Sql",  
          "connectionDetails": {  
            "server": "New-Sql-Server",  
            "database": "New-Sql-Database"  
          }  
        },  
        {  
          "datasourceType": " MySql ",  
          "connectionDetails": {  
            "server": "New-MySQL-Server",  
            "database": "New-MySQL-Database"  
          }  
        }  
      ]  
    },  
    {"identityBlob": "eyJ0eXA...AAA="}  
  ]  
}
```

```
]  
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2028-07-29T17:58:19Z"  
}
```

Example of generating an embed token for a paginated report with multiple data source identities and multiple identity blobs

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{  
  "reports": [  
    {  
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"  
    }  
  ],  
  "datasourceIdentities": [  
    {  
      "datasources": [  
        {  
          "datasourceType": "Sql",  
          "connectionDetails": {  
            "server": "New-Sql-Server",  
            "database": "New-Sql-Database"  
          }  
        }  
      ],  
      "identityBlob": "eyJ0eX...AAA="
```

```
        },
        {
            "datasources": [
                {
                    "datasourceType": " MySql",
                    "connectionDetails": {
                        "server": "New-MySQL-Server",
                        "database": "New-MySQL-Database"
                    }
                }
            ],
            "identityBlob": "eyJ0dW...AAA="
        }
    ]
}
```

Sample response

Status code: 200

JSON

```
{
    "token": "H4sI....AAA=",
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
    "expiration": "2028-07-29T17:58:19Z"
}
```

Example of generating an embed token for a Power BI report with a dataset which is connected with Direct Query to another Power BI dataset. All related dataset IDs must be specified in the request with 'xmlaPermissions' set to 'ReadOnly'. IdentityBlobs for all SSO-enabled data sources must be provided in the 'datasourceidentities' array

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{
  "datasets": [
    {
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd",
      "xmlaPermissions": "ReadOnly"
    },
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "xmlaPermissions": "ReadOnly"
    }
  ],
  "reports": [
    {
      "id": "f904e89a-7ebe-4aa0-8647-e409063b4850"
    }
  ],
  "datasourceIdentities": [
    {
      "datasources": [
        {
          "datasourceType": "Sql",
          "connectionDetails": {
            "server": "Best-Sql-Server",
            "database": "Database3"
          }
        }
      ],
      "identityBlob": "eyJ0eXA...AAA="
    }
  ]
}
```

Sample response

Status code: 200

JSON

```
{
  "token": "H4sI....AAA=",
  "tokenId": "ab4d49ae-c054-4c29-af52-93b5c80619ff",
  "expiration": "2022-06-10T12:41:11Z"
}
```

Example of generating an embed token for a Power BI report with a paginated visual. The paginated report ID ('...4850') of the paginated visual must be included in the 'reports' section of the request.

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{
  "datasets": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ],
  "reports": [
    {
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"
    },
    {
      "id": "f904e89a-7ebe-4aa0-8647-e409063b4850"
    }
  ]
}
```

Sample response

Status code: 200

JSON

```
{
  "token": "H4sI....AAA=",
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
  "expiration": "2018-07-29T17:58:19Z"
}
```

Example of generating an embed token for two datasets with RLS identities and a single report with read-only permissions. The embed token lets you view the report, which is dynamically bound to two different datasets.

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{  
  "datasets": [  
    {  
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
    },  
    {  
      "id": "e75afc47-1150-45e0-aba7-4eb04e4876e5"  
    }  
  ],  
  "reports": [  
    {  
      "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"  
    }  
  ],  
  "identities": [  
    {  
      "username": "john@contoso.com",  
      "roles": [  
        "sales"  
      ],  
      "datasets": [  
        "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
      ]  
    },  
    {  
      "username": "iris@contoso.com",  
      "roles": [  
        "executive"  
      ],  
      "datasets": [  
        "e75afc47-1150-45e0-aba7-4eb04e4876e5"  
      ]  
    }  
  ]  
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "4b76f5ed-5a06-4150-8d1b-60f8e4c186f4",  
  "tokenType": "PowerBI",  
  "tokenScope": "myorg",  
  "tokenLifetime": 3600,  
  "tokenCreated": "2018-09-19T12:00:00Z",  
  "tokenExpires": "2018-09-19T13:00:00Z",  
  "tokenIssued": "2018-09-19T12:00:00Z",  
  "tokenLastUsed": "2018-09-19T12:00:00Z",  
  "tokenUsed": 0  
}
```

```
        "expiration": "2028-07-29T17:58:19Z"  
    }  
}
```

Example of generating an embed token that expires no later than ten minutes from the API call

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/GenerateToken
```

Request Body

JSON

```
{  
    "datasets": [  
        {  
            "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
        }  
    ],  
    "reports": [  
        {  
            "id": "b2e49b01-2356-4456-bfb9-3f4c2bc4ddbd"  
        }  
    ],  
    "identities": [  
        {  
            "username": "john@contoso.com",  
            "roles": [  
                "sales"  
            ],  
            "datasets": [  
                "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
            ]  
        }  
    ],  
    "lifetimeInMinutes": 10  
}
```

Sample response

Status code: 200

JSON

```
{
  "token": "H4sI....AAA=",
  "tokenId": "4b76f5ed-5a06-4150-8d1b-60f8e4c186f4",
  "expiration": "2028-07-29T17:58:19Z"
}
```

Definitions

 [Expand table](#)

Name	Description
DatasourceConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
DatasourceIdentity	Effective identity for connecting DirectQuery data sources with single sign-on (SSO) enabled.
DatasourceSelector	An object that uniquely identifies a single data source by its connection details.
Effectiveldentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
EmbedToken	A Power BI embed token
GenerateTokenRequestV2	Power BI Generate Token Request V2
GenerateTokenRequestV2Dataset	A dataset object in GenerateTokenRequestV2
GenerateTokenRequestV2Report	A report object in GenerateTokenRequestV2
GenerateTokenRequestV2TargetWorkspace	A workspace object in GenerateTokenRequestV2
IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL
XmlaPermissions	XMLA Permissions

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[\[\] Expand table](#)

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

DatasourceIdentity

Effective identity for connecting DirectQuery data sources with single sign-on (SSO) enabled.

[\[\] Expand table](#)

Name	Type	Description
datasources	Datasource Selector[]	An array of data sources that this identity applies to.
identityBlob	string	A blob for specifying the identity.

DatasourceSelector

An object that uniquely identifies a single data source by its connection details.

[\[\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection	The data source connection details. You can obtain the connection details using Get Datasources for paginated reports and Get

	Details	Datasources for powerbi reports APIs.
datasourceType	string	The type of the data source .
[+] Expand table		
API name for the data source		
ActiveDirectory	AdobeAnalytics	AdoDotNet
AnalysisServices	AzureBlobs	AzureDataLakeStorage
AzureMarketplace	AzureTables	BizTalk
CDPA	CustomConnector	CustomHttpApi
DB2	Essbase	EventHub
Excel	Exchange	Extension
Facebook	File	Folder
GoogleAnalytics	Hdfs	HDInsight
Informix	MQ	MySql
OData	ODBC	OleDb
Oracle	PostgreSql	PowerQueryMashup
PubNub	Salesforce	SAPBW
SAPBWMessagingServer	SapErp	SAPHana
SharePoint	SharePointDocLib	SharePointList
Sql	Sybase	Teradata
UIFlow	Web	

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[\[+\] Expand table](#)

Name	Type	Description

auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies
identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.
reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role can contain any character except <code>,</code> , and its length must not exceed 50 characters.
username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters <code>.</code> , <code>-</code> , <code>_</code> , <code>!</code> , <code>#</code> , <code>^</code> , <code>~</code> , <code>\`</code> , <code>\</code> , <code>@</code> . For cloud models, the username can contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.

EmbedToken

A Power BI embed token

[Expand table](#)

Name	Type	Description
expiration	string	The date and time (UTC) of token expiration
token	string	The embed token
tokenId	string	The unique token ID. Through audit logs, the token ID can be used to correlate operations that use the token with the generate operation.

GenerateTokenRequestV2

Power BI Generate Token Request V2

[+] Expand table

Name	Type	Description
datasets	GenerateTokenRequestV2Dataset[]	A list of datasets
datasourceidentities	DatasourceIdentity[]	List of identities to use when connecting to data sources with Single Sign-On (SSO) enabled.
identities	Effectivedentity[]	The list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the token's expiration time, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to <code>null</code> , and will set the default expiration time.
reports	GenerateTokenRequestV2Report[]	A list of reports
targetWorkspaces	GenerateTokenRequestV2TargetWorkspace[]	The list of workspaces that the embed token will allow saving to

GenerateTokenRequestV2Dataset

A dataset object in [GenerateTokenRequestV2](#)

[+] Expand table

Name	Type	Description
id	string	The dataset ID
xmlaPermissions	XmlaPermissions	XMLA Permissions

GenerateTokenRequestV2Report

A report object in [GenerateTokenRequestV2](#)

[\[+\] Expand table](#)

Name	Type	Description
allowEdit	boolean	Whether the generated embed token supports report editing
id	string	The report ID

GenerateTokenRequestV2TargetWorkspace

A workspace object in [GenerateTokenRequestV2](#)

[\[+\] Expand table](#)

Name	Type	Description
id	string	The workspace ID

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
value	string	An OAuth 2.0 access token for Azure SQL

XmlaPermissions

XMLA Permissions

[\[+\] Expand table](#)

Name	Type	Description
Off	string	Indicates that the generated embed token doesn't grant access permissions to the dataset's XMLA endpoint.
ReadOnly	string	Indicates that the generated embed token grants Read access permissions to the dataset's XMLA endpoint.

Embed Token - Reports

GenerateTokenForCreateInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Generates an embed token to allow report creation in the specified workspace based on the specified dataset.

💡 Tip

To create embed tokens, it's recommended to use the latest API, [Generate Token](#). Generate token supports additional functions, such as creating a token for multiple items.

ⓘ Important

This API call is only relevant to the [embed for your customers](#) scenario. To learn more about using this API, see [Considerations when generating an embed token](#).

Permissions

When using a service principal for authentication, refer to [Embed Power BI content with service principal](#) and [Considerations and limitations](#).

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

All of the following:

Content.Create
Report.ReadWrite.All or Report.Read.All
Dataset.ReadWrite.All or Dataset.Read.All

Limitations

For Azure Analysis Services or Analysis Services on-premises live connection reports, generating an embed token with row-level security may not work for several minutes after a [Rebind Report](#) api call.

HTTP

POST

<https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/GenerateToken>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Request Body

[+] Expand table

Name	Type	Description
accessLevel	Token Access Level	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

Responses

[Expand table](#)

Name	Type	Description
200 OK	Embed Token	OK

Examples

[Expand table](#)

Generate an embed token for report creation based on a specified dataset example

Generate an embed token for report creation based on a specified dataset example. The embed token uses an effective identity.

Generate an embed token for report creation based on a specified dataset example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/GenerateToken
```

Request Body

JSON

```
{
  "accessLevel": "Create",
  "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2018-07-29T17:58:19Z"  
}
```

Generate an embed token for report creation based on a specified dataset example. The embed token uses an effective identity.

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/reports/GenerateToken
```

Request Body

JSON

```
{  
  "accessLevel": "Create",  
  "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
  "identities": [  
    {  
      "username": "john@contoso.com",  
      "roles": [  
        "sales"  
      ],  
      "datasets": [  
        "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
      ]  
    }  
  ]  
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2018-07-29T17:58:19Z"
```

```
        "expiration": "2018-07-29T17:58:19Z"  
    }  
}
```

Definitions

[+] Expand table

Name	Description
Effectiveldentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
EmbedToken	A Power BI embed token
GenerateToken Request	Power BI Generate Token Request
IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL
TokenAccessLevel	The required access level for embed token generation

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[+] Expand table

Name	Type	Description
auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies
identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.

reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role can contain any character except <code>,</code> , and its length must not exceed 50 characters.
username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters <code>.</code> , <code>-</code> , <code>_</code> , <code>!</code> , <code>#</code> , <code>^</code> , <code>~</code> , <code>\`</code> , <code>\</code> , <code>@</code> . For cloud models, the username can contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.

EmbedToken

A Power BI embed token

[\[+\] Expand table](#)

Name	Type	Description
expiration	string	The date and time (UTC) of token expiration
token	string	The embed token
tokenId	string	The unique token ID. Through audit logs, the token ID can be used to correlate operations that use the token with the generate operation.

GenerateTokenRequest

Power BI Generate Token Request

[\[+\] Expand table](#)

Name	Type	Description
accessLevel	Token AccessLevel	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.

datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
value	string	An OAuth 2.0 access token for Azure SQL

TokenAccessLevel

The required access level for embed token generation

[\[+\] Expand table](#)

Name	Type	Description
Create	string	Indicates that the generated embed token grants create permission. Only applies when you generate an embed token for report creation.
Edit	string	Indicates that the generated embed token grants view and edit permissions. Only applies when you generate an embed token for report embedding.
View	string	Indicates that the generated embed token grants view-only permission

Embed Token - Reports GenerateTokenInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Generates an embed token to view or edit the specified report from the specified workspace.

💡 Tip

To create embed tokens, it's recommended to use the latest API, [Generate Token](#). Generate token supports additional functions, such as creating a token for multiple items.

ⓘ Important

This API call is only relevant to the [embed for your customers](#) scenario. To learn more about using this API, see [Considerations when generating an embed token](#).

Permissions

When using a service principal for authentication, refer to [Embed Power BI content with service principal](#) and [Considerations and limitations](#).

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

All of the following, unless a requirement doesn't apply:

Report.ReadWrite.All or Report.Read.All

Dataset.ReadWrite.All or Dataset.Read.All

Content.Create, required if the `allowSaveAs` flag is specified in [GenerateTokenRequest](#)

Limitations

For Azure Analysis Services or Analysis Services on-premises live connection reports, generating an embed token with row-level security may not work for several minutes after a [Rebind Report](#).

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/GenerateToken</code>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Request Body

[+] [Expand table](#)

Name	Type	Description
accessLevel	Token Access Level	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration

time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Embed Token	OK

Examples

[\[+\] Expand table](#)

Generate a paginated report embed token using an effective identity example
Generate a report embed token for editing example. The embed token uses an effective identity.
Generate a report embed token for viewing a report and saving to a new report example
Generate a report embed token using an effective identity example
Generate a report embed token using an effective identity with an identity blob example
Generate a report embed token using an effective identity with custom data for Azure Analysis Services example
Generate a report embed token using an effective identity with multiple roles example

Generate a paginated report embed token using an effective identity example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/GenerateToken
```

Request Body

JSON

```
{  
    "accessLevel": "View",  
    "identities": [  
        {  
            "username": "John Smith",  
            "reports": [  
                "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
            ]  
        }  
    ]  
}
```

Sample response

Status code: 200

JSON

```
{  
    "token": "H4sI....AAA=",  
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
    "expiration": "2018-07-29T17:58:19Z"  
}
```

Generate a report embed token for editing example. The embed token uses an effective identity.

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/GenerateToken
```

Request Body

JSON

```
{  
    "accessLevel": "Edit",  
    "identities": [  
        {  
            "username": "john@contoso.com",  
            "roles": [  
                "sales"  
            ],  
            "group": "Sales"  
        }  
    ]  
}
```

```
        "datasets": [
            "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
        ]
    }
]
```

Sample response

Status code: 200

JSON

```
{
    "token": "H4sI....AAA=",
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
    "expiration": "2018-07-29T17:58:19Z"
}
```

Generate a report embed token for viewing a report and saving to a new report example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/GenerateToken
```

Request Body

JSON

```
{
    "accessLevel": "View",
    "allowSaveAs": "true"
}
```

Sample response

Status code: 200

JSON

```
{
    "token": "H4sI....AAA=",
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
```

```
        "expiration": "2018-07-29T17:58:19Z"  
    }  
}
```

Generate a report embed token using an effective identity example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/GenerateToken
```

Request Body

JSON

```
{  
    "accessLevel": "View",  
    "identities": [  
        {  
            "username": "john@contoso.com",  
            "roles": [  
                "sales"  
            ],  
            "datasets": [  
                "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
            ]  
        }  
    ]  
}
```

Sample response

Status code: 200

JSON

```
{  
    "token": "H4sI....AAA=",  
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
    "expiration": "2018-07-29T17:58:19Z"  
}
```

Generate a report embed token using an effective identity with an identity blob example

Sample request

HTTP

POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/GenerateToken

Request Body

JSON

```
{  
  "accessLevel": "View",  
  "identities": [  
    {  
      "datasets": [  
        "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
      ],  
      "identityBlob": {  
        "value": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyIjoiZmFz...  
      }  
    }  
  ]  
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2018-07-29T17:58:19Z"  
}
```

Generate a report embed token using an effective identity with custom data for Azure Analysis Services example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/GenerateToken
```

Request Body

JSON

```
{  
    "accessLevel": "View",  
    "identities": [  
        {  
            "username": "john@contoso.com",  
            "customData": "john_contoso.com",  
            "roles": [  
                "sales"  
            ],  
            "datasets": [  
                "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
            ]  
        }  
    ]  
}
```

Sample response

Status code: 200

JSON

```
{  
    "token": "H4sI....AAA=",  
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
    "expiration": "2018-07-29T17:58:19Z"  
}
```

Generate a report embed token using an effective identity with multiple roles example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/GenerateToken
```

Request Body

JSON

```
{  
    "accessLevel": "View",  
    "identities": [  
        {  
            "username": "john@contoso.com",  
            "roles": [  
                "sales",  
                "marketing"  
            ],  
            "datasets": [  
                "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
            ]  
        }  
    ]  
}
```

Sample response

Status code: 200

JSON

```
{  
    "token": "H4sI....AAA=",  
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
    "expiration": "2018-07-29T17:58:19Z"  
}
```

Definitions

[] Expand table

Name	Description
EffectiveIdentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
EmbedToken	A Power BI embed token
GenerateToken Request	Power BI Generate Token Request
IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

TokenAccessLevel	The required access level for embed token generation
----------------------------------	------------------------------------------------------

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[Expand table](#)

Name	Type	Description
auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies
identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.
reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role can contain any character except , , and its length must not exceed 50 characters.
username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters . , - , _ , ! , # , ^ , ~ , \ , @ . For cloud models, the username can contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.

EmbedToken

A Power BI embed token

[\[+\] Expand table](#)

Name	Type	Description
expiration	string	The date and time (UTC) of token expiration
token	string	The embed token
tokenId	string	The unique token ID. Through audit logs, the token ID can be used to correlate operations that use the token with the generate operation.

GenerateTokenRequest

Power BI Generate Token Request

[\[+\] Expand table](#)

Name	Type	Description
accessLevel	Token AccessLevel	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
value	string	An OAuth 2.0 access token for Azure SQL

TokenAccessLevel

The required access level for embed token generation

[\[+\] Expand table](#)

Name	Type	Description
Create	string	Indicates that the generated embed token grants create permission. Only applies when you generate an embed token for report creation.
Edit	string	Indicates that the generated embed token grants view and edit permissions. Only applies when you generate an embed token for report embedding.
View	string	Indicates that the generated embed token grants view-only permission

Embed Token - Tiles GenerateTokenInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Generates an embed token to view the specified tile from the specified workspace.

ⓘ Important

This API call is only relevant to the [embed for your customers](#) scenario. To learn more about using this API, see [Considerations when generating an embed token](#).

Permissions

When using a service principal for authentication, refer to [Embed Power BI content with service principal](#) and [Considerations and limitations](#).

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

All of the following:

Dashboard.ReadWrite.All or Dashboard.Read.All

Report.ReadWrite.All or Report.Read.All

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/dashboards/{dashboardId}/tiles/{tileId}/GenerateToken`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
dashboardId	path	True	string uuid	The dashboard ID
groupId	path	True	string uuid	The workspace ID
tileId	path	True	string uuid	The tile ID

Request Body

[\[+\] Expand table](#)

Name	Type	Description
accessLevel	Token Access Level	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules
lifetimeInMinutes	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.

Responses

[\[+\] Expand table](#)

Name	Type	Description

200 OK

Embed

OK

Token

Examples

[] [Expand table](#)

[Generate a tile embed token using an effective identity example](#)

[Generate a tile embed token using an effective identity with an identity blob example](#)

[Generate a tile embed token using an effective identity with custom data for Azure Analysis Services example](#)

Generate a tile embed token using an effective identity example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles/312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b/GenerateToken
```

Request Body

JSON

```
{
  "accessLevel": "View",
  "identities": [
    {
      "username": "john@contoso.com",
      "roles": [
        "sales"
      ],
      "datasets": [
        "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
      ]
    }
  ]
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2018-07-29T17:58:19Z"  
}
```

Generate a tile embed token using an effective identity with an identity blob example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles/312fbfe9-  
2eda-44e0-9ed0-ab5dc571bb4b/GenerateToken
```

Request Body

JSON

```
{  
  "accessLevel": "View",  
  "identities": [  
    {  
      "datasets": [  
        "cfafbeb1-8037-4d0c-896e-a46fb27ff229"  
      ],  
      "identityBlob": {  
        "value": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZSI6IkpvaG4gRG9lIiwiaWF0IjoxNTE2MjM5MDIyfQ.vDwXWzLkC9OOGvPjBxuXWzLkC9OOGvPjBxu"  
      }  
    }  
  ]  
}
```

Sample response

Status code: 200

JSON

```
{  
  "token": "H4sI....AAA=",  
  "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",  
  "expiration": "2018-07-29T17:58:19Z"
```

```
        "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
        "expiration": "2018-07-29T17:58:19Z"
    }
```

Generate a tile embed token using an effective identity with custom data for Azure Analysis Services example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/dashboards/69ffaa6c-b36d-4d01-96f5-1ed67c64d4af/tiles/312fbfe9-2eda-44e0-9ed0-ab5dc571bb4b/GenerateToken
```

Request Body

JSON

```
{
    "accessLevel": "View",
    "identities": [
        {
            "username": "john@contoso.com",
            "customData": "john_contoso.com",
            "roles": [
                "sales"
            ],
            "datasets": [
                "cfafbeb1-8037-4d0c-896e-a46fb27ff229"
            ]
        }
    ]
}
```

Sample response

Status code: 200

JSON

```
{
    "token": "H4sI....AAA=",
    "tokenId": "49ae3742-54c0-4c29-af52-619ff93b5c80",
    "expiration": "2018-07-29T17:58:19Z"
}
```

Definitions

[+] [Expand table](#)

Name	Description
Effectiveldentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
EmbedToken	A Power BI embed token
GenerateToken Request	Power BI Generate Token Request
IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL
TokenAccessLevel	The required access level for embed token generation

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[+] [Expand table](#)

Name	Type	Description
auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies
identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.
reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role

can contain any character except `,`, and its length must not exceed 50 characters.

username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters <code>.</code> , <code>-</code> , <code>_</code> , <code>!</code> , <code>#</code> , <code>^</code> , <code>~</code> , <code>\`</code> , <code>\</code> , <code>@</code> . For cloud models, the username can contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.
----------	--------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

EmbedToken

A Power BI embed token

[Expand table](#)

Name	Type	Description
expiration	string	The date and time (UTC) of token expiration
token	string	The embed token
tokenId	string	The unique token ID. Through audit logs, the token ID can be used to correlate operations that use the token with the generate operation.

GenerateTokenRequest

Power BI Generate Token Request

[Expand table](#)

Name	Type	Description
accessLevel	Token AccessLevel	The required access level for embed token generation
allowSaveAs	boolean	Whether an embedded report can be saved as a new report. The default value is <code>false</code> . Only applies when you generate an embed token for report embedding.
datasetId	string	The dataset ID used for report creation. Only applies when you generate an embed token for report creation.
identities	Effective Identity[]	A list of identities to use for row-level security rules

<code>lifetimeInMinutes</code>	integer	The maximum lifetime of the token in minutes, starting from the time it was generated. Can be used to shorten the expiration time of a token, but not to extend it. The value must be a positive integer. Zero (0) is equivalent to null and will be ignored, resulting in the default expiration time.
--------------------------------	---------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
<code>value</code>	string	An OAuth 2.0 access token for Azure SQL

TokenAccessLevel

The required access level for embed token generation

[\[+\] Expand table](#)

Name	Type	Description
<code>Create</code>	string	Indicates that the generated embed token grants create permission. Only applies when you generate an embed token for report creation.
<code>Edit</code>	string	Indicates that the generated embed token grants view and edit permissions. Only applies when you generate an embed token for report embedding.
<code>View</code>	string	Indicates that the generated embed token grants view-only permission

Gateways

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Add Datasource User	Grants or updates the permissions required to use the specified data source for the specified user.
Create Datasource	Creates a new data source on the specified on-premises gateway.
Delete Datasource	Deletes the specified data source from the specified gateway.
Delete Datasource User	Removes the specified user from the specified data source.
Get Datasource	Returns the specified data source from the specified gateway.
Get Datasources	Returns a list of data sources from the specified gateway.
Get Datasource Status	Checks the connectivity status of the specified data source from the specified gateway.
Get Datasource Users	Returns a list of users who have access to the specified data source.
Get Gateway	Returns the specified gateway.
Get Gateways	Returns a list of gateways for which the user is an admin.
Update Datasource	Updates the credentials of the specified data source from the specified gateway.

Gateways - Add Datasource User

Reference

Service: Power BI REST APIs

API Version: v1.0

Grants or updates the permissions required to use the specified data source for the specified user.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All

Limitations

Virtual network (VNet) gateways aren't supported. Adding groups through the API is not supported.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}/users`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasourceId	path	True	string uuid	The data source ID
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in

the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Request Body

[+] Expand table

Name	Required	Type	Description
datasourceAccessRight	True	DatasourceUser AccessRight	The access right (permission level) that a user has on the data source
displayName		string	The display name of the principal
emailAddress		string	The email address of the user
identifier		string	The object ID of the principal
principalType		PrincipalType	The principal type
profile		ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

[+] Expand table

[Assign the ReadOverrideEffectiveIdentity user access right to a service principal example](#)

Example

Assign the ReadOverrideEffectiveIdentity user access right to a service principal example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970/users
```

Request Body

JSON

```
{  
  "identifier": "3d9b93c6-7b6d-4801-a491-1738910904fd",  
  "datasourceAccessRight": "ReadOverrideEffectiveIdentity"  
}
```

Sample response

Status code: 200

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970/users
```

Request Body

JSON

```
{  
  "emailAddress": "john@contoso.com",  
  "datasourceAccessRight": "Read"  
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
DatasourceUser	A Power BI user with access to the data source
DatasourceUserAccessRight	The access right (permission level) that a user has on the data source
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

DatasourceUser

A Power BI user with access to the data source

[\[+\] Expand table](#)

Name	Type	Description
datasourceAccessRight	Datasource UserAccess Right	The access right (permission level) that a user has on the data source
displayName	string	The display name of the principal
emailAddress	string	The email address of the user
identifier	string	The object ID of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

DatasourceUserAccessRight

The access right (permission level) that a user has on the data source

[\[+\] Expand table](#)

Name	Type	Description

None	string	No permission to access the data source. Only applies when updating user permissions.
Read	string	Datasets owned by the user have read access to the data source
ReadOverrideEffectiveIdentity	string	The user can override the effective identity for Power BI Embedded. Applicable only for on-premises Analysis Services data sources.

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Gateways - Create Datasource

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new data source on the specified on-premises gateway.

On premises data source credentials must be encrypted. The `encryptedConnection` parameter must be set to `Encrypted` and the credentials should be encrypted using the gateway public key.

See the [Create Gateway DataSource](#) PowerShell script for an example of using this API, this script uses the PowerShell script mentioned in the note below for encrypting the credentials.

ⓘ Note

To encrypt credentials, see [Configure credentials programmatically](#) for Power BI and review the `EncryptCredentials` [.NET Core](#), [Java](#), [Python](#) and [PowerShell](#) examples.

Permissions

Supports only on-premises gateways and the user must have gateway admin permissions

Required Scope

Dataset.ReadWrite.All

Limitations

Virtual network (VNet) and Cloud gateways aren't supported.
OAuth2 as a credential type isn't supported.

HTTP

POST <https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Request Body

[+] Expand table

Name	Required	Type	Description
connectionDetails	True	string	The connection details
credentialDetails	True	CredentialDetails	The credential details
dataSourceName	True	string	The data source name
dataSourceType	True	string	The data source type

Responses

[+] Expand table

Name	Type	Description
201 Created	Gateway Datasource	Created

Examples

[+] Expand table

Azure Analysis Services example

SQL example

Azure Analysis Services example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources
```

Request Body

JSON

```
{
  "dataSourceType": "AnalysisServices",
  "connectionDetails": "
{\\"server\\":\\"MyServer\\",\\"database\\":\\"MyDatabase\\"}",
  "datasourceName": "Sample Datasource",
  "credentialDetails": {
    "credentialType": "Windows",
    "credentials": "AB....EF==",
    "encryptedConnection": "Encrypted",
    "encryptionAlgorithm": "RSA-OAEP",
    "privacyLevel": "None"
  }
}
```

Sample response

Status code: 200

SQL example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources
```

Request Body

JSON

```
{  
    "dataSourceType": "SQL",  
    "connectionDetails": "  
{\\"server\\":\\"MyServer\\",\\"database\\":\\"MyDatabase\\\"}",  
    "datasourceName": "Sample Datasource",  
    "credentialDetails": {  
        "credentialType": "Windows",  
        "credentials": "AB....EF==",  
        "encryptedConnection": "Encrypted",  
        "encryptionAlgorithm": "RSA-OAEP",  
        "privacyLevel": "None"  
    }  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
CredentialDetails	The credential details
credentialType	The type of data source credential
encrypted Connection	Whether to encrypt the data source connection. The API call will fail if you select encryption and Power BI is unable to establish an encrypted connection with the data source.
encryptionAlgorithm	The encryption algorithm. For a cloud data source, specify None . For an on-premises data source, specify RSA-OAEP and use the gateway public key to encrypt the credentials.
GatewayDatasource	A Power BI gateway data source
GatewayDatasource CredentialDetails	The data source credential details
privacyLevel	The privacy level, which is relevant when combining data from multiple sources.
PublishDatasource ToGatewayRequest	A publish data source to gateway request

CredentialDetails

The credential details

[+] Expand table

Name	Type	Description
credentialType	credential Type	The credential type
credentials	string	The credentials, which depend on the 'credentialType' value. For more information, see Update Datasource examples.
encryptedConnection	encrypted Connection	Whether to encrypt the data source connection. The API call will fail if you select encryption and Power BI is unable to establish an encrypted connection with the data source.
encryptionAlgorithm	encryption Algorithm	The encryption algorithm. For a cloud data source, specify <code>None</code> . For an on-premises data source, specify <code>RSA-OAEP</code> and use the gateway public key to encrypt the credentials.
privacyLevel	privacyLevel	The privacy level, which is relevant when combining data from multiple sources.
useCallerAADIdentity	boolean	Whether the Azure AD identity (OAuth 2.0 credentials) of the API caller (which must be the data source owner) will be used to configure data source credentials (the owner OAuth access token). Typically, you would either use this flag or <code>useEndUserOAuth2Credentials</code> .
useEndUserOAuth2Credentials	boolean	Whether the end-user Azure AD identity (OAuth 2.0 credentials) is used when connecting to the data source in DirectQuery mode. Use with data sources that support single sign-on (SSO) . Typically, you would either use this flag or <code>useCallerAADIdentity</code> .

credentialType

The type of data source [credential](#)

[+] Expand table

Name	Type	Description
Anonymous	string	
Basic	string	
Key	string	
OAuth2	string	
SAS	string	
Windows	string	

encryptedConnection

Whether to encrypt the data source connection. The API call will fail if you select encryption and Power BI is unable to establish an encrypted connection with the data source.

[\[\] Expand table](#)

Name	Type	Description
Encrypted	string	
NotEncrypted	string	

encryptionAlgorithm

The encryption algorithm. For a cloud data source, specify `None`. For an on-premises data source, specify `RSA-OAEP` and use the gateway public key to encrypt the credentials.

[\[\] Expand table](#)

Name	Type	Description
None	string	
RSA-OAEP	string	

GatewayDatasource

A Power BI gateway data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	string	Connection details in JSON format
credentialDetails	Gateway Datasource Credential Details	The connection details for the data source that needs update. The connection details are mandatory when the dataset has more than one data source.
credentialType	credential Type	The type of data source credential
datasourceName	string	The name of the data source
datasourceType	string	The type of data source .

[\[+\] Expand table](#)

API name for the data source		
ActiveDirectory	AdobeAnalytics	AdoDotNet
AnalysisServices	AzureBlobs	AzureDataLakeStorage
AzureMarketplace	AzureTables	BizTalk
CDPA	CustomConnector	CustomHttpApi
DB2	Essbase	EventHub
Excel	Exchange	Extension
Facebook	File	Folder
GoogleAnalytics	Hdfs	HDInsight
Informix	MQ	MySql
OData	ODBC	OleDb
Oracle	PostgreSql	PowerQueryMashup
PubNub	Salesforce	SAPBW
SAPBWMessagServer	SapErp	SAPHana
SharePoint	SharePointDocLib	SharePointList
Sql	Sybase	Teradata

API name for the data source		
	UIFlow	Web
gatewayId	string	The associated gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
id	string	The unique ID for the data source

GatewayDatasourceCredentialDetails

The data source credential details

[+] Expand table

Name	Type	Description
useEndUserOAuth2Credentials	boolean	Whether the end-user Azure AD identity (OAuth 2.0 credentials) is used when connecting to the data source in DirectQuery mode. Use with data sources that support single sign-on (SSO) .

privacyLevel

The privacy level, which is relevant when combining data from multiple sources.

[+] Expand table

Name	Type	Description
None	string	
Organizational	string	
Private	string	
Public	string	

PublishDatasourceToGatewayRequest

A publish data source to gateway request

[Expand table](#)

Name	Type	Description
connectionDetails	string	The connection details
credentialDetails	Credential Details	The credential details
dataSourceName	string	The data source name
dataSourceType	string	The data source type

Gateways - Delete Datasource

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified data source from the specified gateway.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP

DELETE

`https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasourceId	path	True	string uuid	The data source ID
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Responses

[Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970
```

Sample response

Status code: 200

Gateways - Delete Datasource User

Reference

Service: Power BI REST APIs

API Version: v1.0

Removes the specified user from the specified data source.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP

DELETE

`https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}/users/{emailAddress}`

With optional parameters:

HTTP

DELETE

`https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}/users/{emailAddress}?profileId={profileId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
------	----	----------	------	-------------

datasourceId	path	True	string uuid	The data source ID
emailAddress	path	True	string	The user's email address or the object ID of the service principal
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.
profileId	query		string uuid	The service principal profile ID to delete

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970/users/john@contoso.com
```

Sample response

Status code: 200

Gateways - Get Datasource

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified data source from the specified gateway.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasourceId	path	True	string uuid	The data source ID
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Responses

[+] Expand table

Name	Type	Description
200 OK	Gateway Datasource	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970
```

Sample response

Status code: 200

JSON

```
{
  "id": "252b9de8-d915-4788-aaeb-ec8c2395f970",
  "gatewayId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
  "datasourceType": "Sql",
  "connectionDetails": "
    {
      \"server\": \"MyServer\",
      \"database\": \"MyDatabase\"
    }
  ",
  "credentialType": "Windows",
  "datasourceName": "Sample Datasource"
}
```

Definitions

[+] Expand table

Name	Description
credentialType	The type of data source credential

GatewayDatasource	A Power BI gateway data source
GatewayDatasourceCredentialDetails	The data source credential details

credentialType

The type of data source [credential](#)

[+] [Expand table](#)

Name	Type	Description
Anonymous	string	
Basic	string	
Key	string	
OAuth2	string	
SAS	string	
Windows	string	

GatewayDatasource

A Power BI gateway data source

[+] [Expand table](#)

Name	Type	Description
connectionDetails	string	Connection details in JSON format
credentialDetails	Gateway Datasource Credential Details	The connection details for the data source that needs update. The connection details are mandatory when the dataset has more than one data source.
credentialType	credential Type	The type of data source credential
datasourceName	string	The name of the data source
datasourceType	string	The type of data source .

[+] [Expand table](#)

API name for the data source		
ActiveDirectory	AdobeAnalytics	AdoDotNet
AnalysisServices	AzureBlobs	AzureDataLakeStorage
AzureMarketplace	AzureTables	BizTalk
CDPA	CustomConnector	CustomHttpApi
DB2	Essbase	EventHub
Excel	Exchange	Extension
Facebook	File	Folder
GoogleAnalytics	Hdfs	HDInsight
Informix	MQ	MySql
OData	ODBC	OleDb
Oracle	PostgreSql	PowerQueryMashup
PubNub	Salesforce	SAPBW
SAPBWMessagingServer	SapErp	SAPHana
SharePoint	SharePointDocLib	SharePointList
Sql	Sybase	Teradata
UIFlow	Web	
gatewayId	string	The associated gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
id	string	The unique ID for the data source

GatewayDatasourceCredentialDetails

The data source credential details

[\[+\] Expand table](#)

Name	Type	Description

useEndUserOAuth2Credentials	boolean	Whether the end-user Azure AD identity (OAuth 2.0 credentials) is used when connecting to the data source in DirectQuery mode. Use with data sources that support single sign-on (SSO) .
-----------------------------	---------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Gateways - Get Datasource Status

Reference

Service: Power BI REST APIs

API Version: v1.0

Checks the connectivity status of the specified data source from the specified gateway.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}/status</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasourceId	path	True	string uuid	The data source ID
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Responses

 Expand table

Name	Type	Description
200 OK	OK	

Examples

Gateway unreachable example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970/status
```

Sample response

Status code: 400

JSON

```
{
  "error": {
    "code": "DM_GWPipeline_Client_GatewayUnreachable",
    "pbi.error": {
      "code": "DM_GWPipeline_Client_GatewayUnreachable",
      "parameters": {},
      "details": [],
      "exceptionCulprit": 1
    }
  }
}
```

Gateways - Get Datasource Users

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users who have access to the specified data source.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}/users`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasourceId	path	True	string uuid	The data source ID
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Responses

[Expand table](#)

Name	Type	Description
200 OK	Datasource	OK Users

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceAccessRight": "Read",
      "displayName": "John Nick",
      "emailAddress": "john@contoso.com",
      "identifier": "john@contoso.com",
      "principalType": "User"
    },
    {
      "datasourceAccessRight": "ReadOverrideEffectiveIdentity",
      "displayName": "ContosoTestApp",
      "identifier": "3d9b93c6-7b6d-4801-a491-1738910904fd",
      "principalType": "App"
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
DatasourceUser	A Power BI user with access to the data source
DatasourceUserAccessRight	The access right (permission level) that a user has on the data source
DatasourceUsers	The OData response wrapper for a list of Power BI users with access to a data source
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

DatasourceUser

A Power BI user with access to the data source

[\[+\] Expand table](#)

Name	Type	Description
datasourceAccessRight	Datasource UserAccess Right	The access right (permission level) that a user has on the data source
displayName	string	The display name of the principal
emailAddress	string	The email address of the user
identifier	string	The object ID of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

DatasourceUserAccessRight

The access right (permission level) that a user has on the data source

[\[\] Expand table](#)

Name	Type	Description
None	string	No permission to access the data source. Only applies when updating user permissions.
Read	string	Datasets owned by the user have read access to the data source
ReadOverrideEffectiveIdentity	string	The user can override the effective identity for Power BI Embedded. Applicable only for on-premises Analysis Services data sources.

DatasourceUsers

The OData response wrapper for a list of Power BI users with access to a data source

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Datasource User[]	The list of users with access to a data source

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Gateways - Get Datasources

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources from the specified gateway.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Responses

[+] Expand table

Name	Type	Description
200 OK	Gateway Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "252b9de8-d915-4788-aaeb-ec8c2395f970",
      "gatewayId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
      "datasourceType": "Sql",
      "connectionDetails": "
{\\"server\\":\\"localSQL\\",\\"database\\":\\"salesDB\\"}",
      "credentialType": "Windows",
      "datasourceName": "SQL Datasource"
    },
    {
      "id": "91f8aec2-4b32-476f-909b-3241999620ec",
      "gatewayId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
      "datasourceType": "AnalysisServices",
      "connectionDetails": "
{\\"server\\":\\"localAS\\",\\"database\\":\\"marketingDB\\"}",
      "credentialType": "Windows",
      "datasourceName": "AS Datasource"
    }
  ]
}
```

Definitions

[\[\] Expand table](#)

Name	Description
credentialType	The type of data source credential
GatewayDatasource	A Power BI gateway data source
GatewayDatasourceCredentialDetails	The data source credential details
GatewayDatasources	The OData response wrapper for a Power BI gateway data source collection

credentialType

The type of data source [credential](#)

[\[\] Expand table](#)

Name	Type	Description
Anonymous	string	
Basic	string	
Key	string	
OAuth2	string	
SAS	string	
Windows	string	

GatewayDatasource

A Power BI gateway data source

[\[\] Expand table](#)

Name	Type	Description
connectionDetails	string	Connection details in JSON format
credentialDetails	Gateway Datasource	The connection details for the data source that needs update. The connection details are mandatory when the dataset has more than one data source.

Credential Details		
credentialType	credential Type	The type of data source credential
datasourceName	string	The name of the data source
datasourceType	string	The type of data source .
[+] Expand table		
API name for the data source		
	ActiveDirectory	AdobeAnalytics
	AnalysisServices	AzureBlobs
	AzureMarketplace	AzureTables
	CDPA	CustomConnector
	DB2	Essbase
	Excel	EventHub
	Facebook	Extension
	GoogleAnalytics	File
	Informix	Hdfs
	OData	Folder
	Oracle	HDInsight
	PubNub	MQ
	SAPBWMessageServer	MySql
	SharePoint	ODBC
	SapErp	PostgreSql
	SAPHana	PowerQueryMashup
	Salesforce	SAPBW
	UIFlow	Sybase
	Web	Teradata
gatewayId	string	The associated gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
id	string	The unique ID for the data source

GatewayDatasourceCredentialDetails

The data source credential details

[+] Expand table

Name	Type	Description
useEndUserOAuth2Credentials	boolean	Whether the end-user Azure AD identity (OAuth 2.0 credentials) is used when connecting to the data source in DirectQuery mode. Use with data sources that support single sign-on (SSO) .

GatewayDatasources

The OData response wrapper for a Power BI gateway data source collection

[+] Expand table

Name	Type	Description
odata.context	string	OData context
value	Gateway Datasource []	The list of gateway data sources

Gateways - Get Gateway

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified gateway.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Gateway	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934
```

Sample response

Status code: 200

JSON

```
{
  "id": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
  "name": "My_Sample_Gateway",
  "type": "Resource",
  "publicKey": {
    "exponent": "AQAB",
    "modulus": "o6j2....cLk="
  }
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
Gateway	A Power BI gateway
GatewayPublicKey	A Power BI gateway public key

Gateway

A Power BI gateway

[\[+\] Expand table](#)

Name	Type	Description
gatewayAnnotation	string	Gateway metadata in JSON format
gatewayStatus	string	The gateway connectivity status
id	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	The gateway name
publicKey	Gateway PublicKey	The gateway public key
type	string	The gateway type

GatewayPublicKey

A Power BI gateway public key

[\[+\] Expand table](#)

Name	Type	Description
exponent	string	The public key exponent
modulus	string	The public key modulus

Gateways - Get Gateways

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of gateways for which the user is an admin.

Permissions

The user must have gateway admin permissions.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Virtual network (VNet) gateways aren't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/gateways
```

Responses

[] Expand table

Name	Type	Description
200 OK	Gateways	OK

Examples

Example

Sample request

HTTP

GET <https://api.powerbi.com/v1.0/myorg/gateways>

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "1f69e798-5852-4fdd-ab01-33bb14b6e934",  
      "name": "My_Sample_Gateway",  
      "type": "Resource",  
      "publicKey": {  
        "exponent": "AQAB",  
        "modulus": "o6j2....cLk="  
      }  
    }  
  ]  
}
```

Definitions

[+] Expand table

Name	Description
Gateway	A Power BI gateway
GatewayPublicKey	A Power BI gateway public key
Gateways	The OData response wrapper for a list of Power BI gateways

Gateway

A Power BI gateway

[+] Expand table

Name	Type	Description
gatewayAnnotation	string	Gateway metadata in JSON format

gatewayStatus	string	The gateway connectivity status
id	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	The gateway name
publicKey	Gateway PublicKey	The gateway public key
type	string	The gateway type

GatewayPublicKey

A Power BI gateway public key

[\[\] Expand table](#)

Name	Type	Description
exponent	string	The public key exponent
modulus	string	The public key modulus

Gateways

The OData response wrapper for a list of Power BI gateways

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	
value	Gateway[]	The list of gateways

Gateways - Update Datasource

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the credentials of the specified data source from the specified gateway.

On Premises data source credentials must be encrypted, as described in the [On-premise encrypted credentials example](#).

See the [Patch Datasource Credentials ↗](#) PowerShell script for an example of using this API, this script uses the PowerShell script mentioned in the note below for encrypting the credentials.

ⓘ Note

To encrypt credentials, see [Configure credentials programmatically](#) for Power BI and review the EncryptCredentials [.NET Core ↗](#), [Java ↗](#), [Python ↗](#) and [PowerShell ↗](#) examples.

Windows credentials before encryption look like the credentials in the credentials of [Basic credentials example](#).

When changing from single sign-on to other credential types, such as `Basic` or `OAuth2`, set the parameter `useEndUserOAuth2Credentials` to `false` as described in the [Basic credentials example](#).

OAuth 2.0 credentials are valid as long as the provided token is valid. When using the OAuth 2.0 credential type, do the following:

Set the OAuth 2.0 token audience correctly, according to the data source type.

Send the OAuth 2.0 token in the payload as shown in the [OAuth 2.0 credentials example](#).

If you're using **Extension** data sources, don't set `useCallerAADIdentity` to `true`.

Permissions

With on-premises gateways, the user must have gateway admin permissions.

With cloud data sources, user must be the data source owner. Use [Datasets - Take Over API](#) to transfer ownership over the specified dataset or [Paginated reports -](#)

Take Over API to transfer ownership of the data sources over the specified paginated report.

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

When setting OAuth credentials, a refresh token isn't incorporated as it is when setting credentials through the UI in Power BI service. Therefore, credentials can only be used for one hour.

Virtual network (VNet) gateways aren't supported.

SAS Token credentials are supported only with AzureBlobStorage and AzureDataLakeStorage.

HTTP

PATCH

`https://api.powerbi.com/v1.0/myorg/gateways/{gatewayId}/datasources/{datasourceId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasourceId	path	True	string uuid	The data source ID
gatewayId	path	True	string uuid	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster. In such cases, gateway ID is similar to gateway cluster ID.

Request Body

[\[\] Expand table](#)

Name	Required	Type	Description
credentialDetails	True	CredentialDetails	The credential details

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

[\[\] Expand table](#)

Anonymous credentials example
Basic credentials example
Key credentials example
OAuth 2.0 credentials example
On-premise encrypted credentials example
SAS Token credentials example

Anonymous credentials example

Sample request

HTTP
<pre>PATCH https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970</pre>

Request Body

JSON

```
{  
    "credentialDetails": {  
        "credentialType": "Anonymous",  
        "credentials": "{\"credentialData\":\"\"}",  
        "encryptedConnection": "Encrypted",  
        "encryptionAlgorithm": "None",  
        "privacyLevel": "None"  
    }  
}
```

Sample response

Status code: 200

Basic credentials example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-  
33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970
```

Request Body

JSON

```
{  
    "credentialDetails": {  
        "credentialType": "Basic",  
        "credentials": "{\"credentialData\": [{\"name\": \"username\",  
        \"value\": \"john\"}, {\"name\": \"password\", \"value\": \"*****\"}]}",  
        "encryptedConnection": "Encrypted",  
        "encryptionAlgorithm": "None",  
        "privacyLevel": "None",  
        "useEndUserOAuth2Credentials": "False"  
    }  
}
```

Sample response

Status code: 200

Key credentials example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970
```

Request Body

JSON

```
{
  "credentialDetails": {
    "credentialType": "Key",
    "credentials": "{\"credentialData\":[{\"name\":\"key\", \"value\":\"ec....LA=\"}]}",
    "encryptedConnection": "Encrypted",
    "encryptionAlgorithm": "None",
    "privacyLevel": "None"
  }
}
```

Sample response

Status code: 200

OAuth 2.0 credentials example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970
```

Request Body

JSON

```
{
  "credentialDetails": {
    "credentialType": "OAuth2",
    "credentials": "{\"credentialData\":[{\"name\":\"accessToken\", \"value\":\"eyJ0....fwtQ\"}]}",
    "encryptedConnection": "Encrypted",
    "encryptionAlgorithm": "None",
    "privacyLevel": "None"
  }
}
```

Sample response

Status code: 200

On-premise encrypted credentials example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970
```

Request Body

JSON

```
{
  "credentialDetails": {
    "credentialType": "Windows",
    "credentials": "AB....EF==",
    "encryptedConnection": "Encrypted",
    "encryptionAlgorithm": "RSA-OAEP",
    "privacyLevel": "None"
  }
}
```

Sample response

Status code: 200

SAS Token credentials example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/gateways/1f69e798-5852-4fdd-ab01-33bb14b6e934/datasources/252b9de8-d915-4788-aaeb-ec8c2395f970
```

Request Body

JSON

```
{
  "credentialDetails": {
```

```

    "credentialType": "SAS",
    "credentials": "{\"credentialData\":[{\"name\":\"token\",
    \"value\":\"sp=r1&st=2023-01-
    16T09:37:25Z&se=2023...J0%2F0YVkjKxPtEwsyn\"}]}",
    "encryptedConnection": "Encrypted",
    "encryptionAlgorithm": "None",
    "privacyLevel": "None"
  }
}

```

Sample response

Status code: 200

Definitions

[\[\] Expand table](#)

Name	Description
CredentialDetails	The credential details
credentialType	The type of data source credential
encrypted Connection	Whether to encrypt the data source connection. The API call will fail if you select encryption and Power BI is unable to establish an encrypted connection with the data source.
encryption Algorithm	The encryption algorithm. For a cloud data source, specify None . For an on-premises data source, specify RSA-OAEP and use the gateway public key to encrypt the credentials.
privacyLevel	The privacy level, which is relevant when combining data from multiple sources.
Update Datasource Request	An update data source to gateway request

CredentialDetails

The credential details

[\[\] Expand table](#)

Name	Type	Description

credentialType	credential Type	The credential type
credentials	string	The credentials, which depend on the 'credentialType' value. For more information, see Update Datasource examples.
encryptedConnection	encrypted Connection	Whether to encrypt the data source connection. The API call will fail if you select encryption and Power BI is unable to establish an encrypted connection with the data source.
encryptionAlgorithm	encryption Algorithm	The encryption algorithm. For a cloud data source, specify <code>None</code> . For an on-premises data source, specify <code>RSA-OAEP</code> and use the gateway public key to encrypt the credentials.
privacyLevel	privacyLevel	The privacy level, which is relevant when combining data from multiple sources.
useCallerAADIdentity	boolean	Whether the Azure AD identity (OAuth 2.0 credentials) of the API caller (which must be the data source owner) will be used to configure data source credentials (the owner OAuth access token). Typically, you would either use this flag or <code>useEndUserOAuth2Credentials</code> .
useEndUserOAuth2Credentials	boolean	Whether the end-user Azure AD identity (OAuth 2.0 credentials) is used when connecting to the data source in DirectQuery mode. Use with data sources that support single sign-on (SSO) . Typically, you would either use this flag or <code>useCallerAADIdentity</code> .

credentialType

The type of data source [credential](#)

[+] [Expand table](#)

Name	Type	Description
Anonymous	string	
Basic	string	
Key	string	
OAuth2	string	

SAS	string
Windows	string

encryptedConnection

Whether to encrypt the data source connection. The API call will fail if you select encryption and Power BI is unable to establish an encrypted connection with the data source.

[\[+\] Expand table](#)

Name	Type	Description
Encrypted	string	
NotEncrypted	string	

encryptionAlgorithm

The encryption algorithm. For a cloud data source, specify `None`. For an on-premises data source, specify `RSA-OAEP` and use the gateway public key to encrypt the credentials.

[\[+\] Expand table](#)

Name	Type	Description
None	string	
RSA-OAEP	string	

privacyLevel

The privacy level, which is relevant when combining data from multiple sources.

[\[+\] Expand table](#)

Name	Type	Description
None	string	
Organizational	string	
Private	string	

Public	string
--------	--------

UpdateDatasourceRequest

An update data source to gateway request

[\[\]](#) Expand table

Name	Type	Description
credentialDetails	Credential Details	The credential details

GoalNotes (Preview)

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 [Expand table](#)

Delete By ID	Deletes a goal value check-in note by ID.
Patch By ID	Updates a goal value check-in note by ID.
Post	Adds a new note to a goal value check-in.

GoalNotes (Preview) - Delete By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes a goal value check-in note by ID.

Required Scope

Dataset.ReadWrite.All

HTTP

```
DELETE  
https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})  
/goals({goalId})/goalValues({timestamp})/notes({noteId})
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
noteId	path	True	string uuid	The unique identifier of the goal check-in note
scorecardId	path	True	string uuid	The unique identifier of the scorecard
timestamp	path	True	string date	The timestamp for the value of the goal

Responses

[\[\]](#) Expand table

Name	Type	Description
204 No Content		Empty response

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(ce4abf44-3c4a-4425-893d-36bccca75a42b)/goals(871f5b6e-e5a3-421f-924d-847b68db239f)/goalValues(2021-12-14T00:00:00Z)/notes(4370bfc0-4cad-481d-981f-80848016da97)
```

Sample response

Status code: 204

GoalNotes (Preview) - Patch By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates a goal value check-in note by ID.

Required Scope

Dataset.ReadWrite.All

HTTP

PATCH

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues({timestamp})/notes({noteId})`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
noteId	path	True	string uuid	The unique identifier of the goal check-in note
scorecardId	path	True	string uuid	The unique identifier of the scorecard
timestamp	path	True	string date	The timestamp for the value of the goal

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
body	True	string	The note text

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	GoalNote	The updated goal value check-in note

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(ce4abf44-3c4a-4425-893d-  
36bcc75a42b)/goals(871f5b6e-e5a3-421f-924d-847b68db239f)/goalValues(2021-  
12-14T00:00:00Z)/notes(4370bfc0-4cad-481d-981f-80848016da97)
```

Sample response

Status code: 200

JSON

```
"Testing Updated Notes."
```

Definitions

[\[+\] Expand table](#)

Name	Description

GoalNote	A Power BI goal value check-in note
GoalNoteRequest	A Power BI goal value check-in note request

GoalNote

A Power BI goal value check-in note

[\[+\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalNoteRequest

A Power BI goal value check-in note request

[\[+\] Expand table](#)

Name	Type	Description
body	string	The note text

GoalNotes (Preview) - Post

Reference

Service: Power BI REST APIs

API Version: v1.0

Adds a new note to a goal value check-in.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues({timestamp})/notes`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard
timestamp	path	True	string date	The timestamp for the value of the goal

Request Body

[+] Expand table

Name	Required	Type	Description
------	----------	------	-------------

body	True	string	The note text
------	------	--------	---------------

Responses

[] Expand table

Name	Type	Description
200 OK	GoalNote	The created goal check-in note.

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(ecb4f7f9-a6f4-422b-a7b8-322a76018546)/goals(039b8d13-332b-475e-ad48-563b40751c16)/goalValues(2021-12-14)/notes
```

Sample response

Status code: 200

JSON

```
"Testing Notes."
```

Definitions

[] Expand table

Name	Description
GoalNote	A Power BI goal value check-in note
GoalNoteRequest	A Power BI goal value check-in note request

GoalNote

A Power BI goal value check-in note

[Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalNoteRequest

A Power BI goal value check-in note request

[Expand table](#)

Name	Type	Description
body	string	The note text

GoalValues (Preview)

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Delete By ID	Deletes a goal value check-in by a UTC day timestamp.
Get	Reads goal value check-ins.
Get By ID	Reads a goal value check-in by a UTC date timestamp.
Patch By ID	Updates a goal value check-in by a UTC date timestamp.
Post	Creates a new goal value check-in.

GoalValues (Preview) - Delete By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes a goal value check-in by a UTC day timestamp.

Required Scope

Dataset.ReadWrite.All

HTTP

`DELETE`

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues({timestamp})`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>goalId</code>	path	True	string uuid	The unique identifier of the goal
<code>groupId</code>	path	True	string uuid	The unique identifier of the workspace
<code>scorecardId</code>	path	True	string uuid	The unique identifier of the scorecard
<code>timestamp</code>	path	True	string date	The timestamp for the value of the goal

Responses

[+] Expand table

Name	Type	Description

204 No
Content

Empty response

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(f74738b3-c62d-4487-838c-  
918d314556ee)/goals(c07b3600-54be-42ef-9154-39e7922c1bb4)/goalValues(2021-  
12-14T00:00:00Z)
```

Sample response

Status code: 204

GoalValues (Preview) - Get

Reference

Service: Power BI REST APIs

API Version: v1.0

Reads goal value check-ins.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues?$expand={$expand}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports

Responses

[] Expand table

Name	Type	Description
200 OK	GoalValues	The goal value check-ins.

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(299759d9-80d3-45a8-8f13-a0624ea7e388)/goals(de3e8b13-1ba6-4806-871f-2fb1658e0837)/goalValues?$expand=notes
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/$metadata#scorecards(299759d9-80d3-45a8-8f13-a0624ea7e388)/goals(de3e8b13-1ba6-4806-871f-2fb1658e0837)/goalValues",
  "value": [
    {
      "timestamp": "2021-12-14T00:00:00Z",
      "goalId": "de3e8b13-1ba6-4806-871f-2fb1658e0837",
      "scorecardId": "299759d9-80d3-45a8-8f13-a0624ea7e388",
      "createdTime": "2021-12-14T21:18:44.4173023Z",
      "lastModifiedTime": "2021-12-14T21:18:54.4955734Z",
      "value": 200,
      "target": 200,
      "status": 2,
      "notes@odata.context": "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-
```

```

4bd8-96a1-2c80df0cf704/$metadata#scorecards(299759d9-80d3-45a8-8f13-
a0624ea7e388)/goals(de3e8b13-1ba6-4806-871f-2fb1658e0837)/goalValues(2021-
12-14T00%3A00%3A00Z)/notes",
  "notes": [
    {
      "id": "1d6f10ef-5f0d-49c7-a511-5f0d6ce0d64e",
      "valueTimestamp": "2021-12-14T00:00:00Z",
      "goalId": "de3e8b13-1ba6-4806-871f-2fb1658e0837",
      "scorecardId": "299759d9-80d3-45a8-8f13-a0624ea7e388",
      "lastModifiedTime": "2021-12-14T21:18:59.8863271Z",
      "content": "{\"general\":[{\\"properties\":{\"paragraphs\": [
        {\\"textRuns\":[{\\"value\":\"Testing Notes.\"]}]}}}]}",
      "createdTime": "2021-12-14T21:18:59.8863271Z",
      "body": "Testing Notes."
    }
  ]
}

```

Definitions

[] Expand table

Name	Description
GoalNote	A Power BI goal value check-in note
GoalValue	A Power BI goal value check-in
GoalValues	The OData response wrapper for a Power BI goal value collection

GoalNote

A Power BI goal value check-in note

[] Expand table

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID

id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalValue

A Power BI goal value check-in

[\[+\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[\[+\] Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
---------------	--------	-----------------------

targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

GoalValues

The OData response wrapper for a Power BI goal value collection

[Expand table](#)

Name	Type	Description
@odata.context	string	OData context
value	GoalValue[]	The goal value collection

GoalValues (Preview) - Get By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Reads a goal value check-in by a UTC date timestamp.

Required Scope

Dataset.Read.All or DatasetReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues({timestamp})`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues({timestamp})?$expand={$expand}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard
timestamp	path	True	string date	The timestamp for the value of the goal

\$expand	query	string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports notes.
-----------------	-------	--------	--------------------------------------------------------------------------------------------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	GoalValue	The goal value check-in.

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(299759d9-80d3-45a8-8f13-a0624ea7e388)/goals(de3e8b13-1ba6-4806-871f-2fb1658e0837)/goalValues(2021-12-14T00:00:00Z)?$expand=notes
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/$metadata#scorecards(299759d9-80d3-45a8-8f13-a0624ea7e388)/goals(de3e8b13-1ba6-4806-871f-2fb1658e0837)/goalValues",
  "value": [
    {
      "timestamp": "2021-12-14T00:00:00Z",
      "goalId": "de3e8b13-1ba6-4806-871f-2fb1658e0837",
      "scorecardId": "299759d9-80d3-45a8-8f13-a0624ea7e388",
      "createdTime": "2021-12-14T21:18:44.4173023Z",
      "lastModifiedTime": "2021-12-14T21:18:54.4955734Z",
      "value": 200,
      "target": 200,
```

```

    "status": 2,
    "notes@odata.context":
    "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-
4bd8-96a1-2c80df0cf704/$metadata#scorecards(299759d9-80d3-45a8-8f13-
a0624ea7e388)/goals(de3e8b13-1ba6-4806-871f-2fb1658e0837)/goalValues(2021-
12-14T00%3A00%3A00Z)/notes",
    "notes": [
        {
            "id": "1d6f10ef-5f0d-49c7-a511-5f0d6ce0d64e",
            "valueTimestamp": "2021-12-14T00:00:00Z",
            "goalId": "de3e8b13-1ba6-4806-871f-2fb1658e0837",
            "scorecardId": "299759d9-80d3-45a8-8f13-a0624ea7e388",
            "lastModifiedTime": "2021-12-14T21:18:59.8863271Z",
            "content": "{\"general\":[{\\"properties\\":{\\\"paragraphs\\\": [{\\\"textRuns\\\": [{\\\"value\\\": \"Testing Notes.\\"}]}]}]}]",
            "createdTime": "2021-12-14T21:18:59.8863271Z",
            "body": "Testing Notes."
        }
    ]
}

```

Definitions

[\[\] Expand table](#)

Name	Description
GoalNote	A Power BI goal value check-in note
GoalValue	A Power BI goal value check-in

GoalNote

A Power BI goal value check-in note

[\[\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID

id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalValue

A Power BI goal value check-in

[\[+\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[\[+\] Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
---------------	--------	-----------------------

targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

GoalValues (Preview) - Patch By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates a goal value check-in by a UTC date timestamp.

Required Scope

Dataset.ReadWrite.All

HTTP

PATCH

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues({timestamp})`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard
timestamp	path	True	string date	The timestamp for the value of the goal

Request Body

[+] Expand table

Name	Type	Description

createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	Goal Note[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[\[+\] Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

Responses

[\[+\] Expand table](#)

Name	Type	Description

200 OK	GoalValue	The updated goal value check-in.
--------	-----------	----------------------------------

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(ecceb276-5d36-4b00-96cb-03f5590ae927)/goals(78a93466-3b30-40d1-8514-875c1464d9c6)/goalValues(2021-12-14T00:00:00Z)
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/$metadata#scorecards(ecceb276-5d36-4b00-96cb-03f5590ae927)/goals(78a93466-3b30-40d1-8514-875c1464d9c6)/goalValues/$entity",
  "timestamp": "2021-12-14T00:00:00Z",
  "goalId": "78a93466-3b30-40d1-8514-875c1464d9c6",
  "scorecardId": "ecceb276-5d36-4b00-96cb-03f5590ae927",
  "createdTime": "2021-12-14T21:41:20.8571366Z",
  "lastModifiedTime": "2021-12-14T21:44:00.0154794Z",
  "value": 200,
  "target": 200,
  "status": 2
}
```

Definitions

[+] Expand table

Name	Description
GoalNote	A Power BI goal value check-in note

GoalValue

A Power BI goal value check-in

GoalNote

A Power BI goal value check-in note

[\[\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalValue

A Power BI goal value check-in

[\[\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

GoalValues (Preview) - Post

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new goal value check-in.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/goalValues`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Request Body

[+] Expand table

Name	Required	Type	Description
timestamp	True	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.

forecast	number	Optional. The value trend forecast of the goal.
status	integer	Optional. The goal status ID.
Expand table		
ID	Description	
0	Not started	
1	On track	
2	At risk	
3	Behind	
4	Overdue	
5	Completed	
target	number	Optional. The target value of the goal.
trend	integer	Optional. The value trend of the goal.
value	number	Optional. The current value of the goal.

Responses

[Expand table](#)

Name	Type	Description
200 OK	GoalValue	Created goal value object.

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(07943a5a-3c1f-424f-8c1c-
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/$metadata#scorecards(07943a5a-3c1f-424f-8c1c-144fcfe4431b)/goals(85232f60-18f8-4b57-8c34-042ca6a68f5b)/goalValues/$entity",
  "timestamp": "2021-12-14T00:00:00Z",
  "goalId": "85232f60-18f8-4b57-8c34-042ca6a68f5b",
  "scorecardId": "07943a5a-3c1f-424f-8c1c-144fcfe4431b",
  "createdTime": "2021-12-14T21:29:30.3322292Z",
  "lastModifiedTime": "2021-12-14T21:29:30.3322292Z",
  "value": 100,
  "target": 100,
  "status": 1
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
GoalNote	A Power BI goal value check-in note
GoalValue	A Power BI goal value check-in
GoalValueCreateRequest	A creation request for a Power BI goal value check-in

GoalNote

A Power BI goal value check-in note

[\[+\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format

createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalValue

A Power BI goal value check-in

[Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue

ID	Description
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

GoalValueCreateRequest

A creation request for a Power BI goal value check-in

[Expand table](#)

Name	Type	Description
forecast	number	Optional. The value trend forecast of the goal.
status	integer	Optional. The goal status ID.

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	Optional. The target value of the goal.
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	Optional. The value trend of the goal.
value	number	Optional. The current value of the goal.

Goals (Preview)

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 [Expand table](#)

Delete By ID	Deletes a goal from a scorecard by goal ID.
Delete Goal Current Value Connection	Disconnects the current value of a goal.
Delete Goal Target Value Connection	Disconnects the target value of a goal.
Get	Returns a list of goals from a scorecard.
Get By ID	Returns a goal by ID from a scorecard.
Get Refresh History	Reads refresh history of a connected goal.
Patch By ID	Updates a goal by ID.
Post	Adds a new goal to a scorecard.
Refresh Goal Current Value	Schedules a refresh of the connected value of a goal.
Refresh Goal Target Value	Schedules a refresh of the target value of a goal.

Goals (Preview) - Delete By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes a goal from a scorecard by goal ID.

Required Scope

Dataset.ReadWrite.All

HTTP

`DELETE`

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description
204 No Content		Empty response

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(f74738b3-c62d-4487-838c-  
918d314556ee)/goals(c07b3600-54be-42ef-9154-39e7922c1bb4)
```

Sample response

Status code: 204

Goals (Preview) - Delete Goal Current Value Connection

Reference

Service: Power BI REST APIs

API Version: v1.0

Disconnects the current value of a goal.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/DeleteGoalCurrentValueConnection()`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description

200 OK

Goal

The updated goal object after disconnect.

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(c3ac3850-5d7f-4a43-a9db-  
549e1a44ad62)/goals(529cc37c-d224-4ff8-9e5e-  
669c35f3b412)/DeleteGoalCurrentValueConnection()
```

Sample response

Status code: 200

Definitions

[\[\] Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRulesContainer	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in

Goal

A Power BI goal

[Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[+] Expand table

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[+] Expand table

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.

29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[\[\] Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[\[\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID

lastModifiedTime	string	The UTC time at last modification														
notes	GoalNote[]	The notes for the goal														
scorecardId	string	The scorecard ID														
status	integer	The ID of the goal status														
[+] Expand table																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ID</th><th>Description</th></tr> </thead> <tbody> <tr><td>0</td><td>Not started</td></tr> <tr><td>1</td><td>On track</td></tr> <tr><td>2</td><td>At risk</td></tr> <tr><td>3</td><td>Behind</td></tr> <tr><td>4</td><td>Overdue</td></tr> <tr><td>5</td><td>Completed</td></tr> </tbody> </table>			ID	Description	0	Not started	1	On track	2	At risk	3	Behind	4	Overdue	5	Completed
ID	Description															
0	Not started															
1	On track															
2	At risk															
3	Behind															
4	Overdue															
5	Completed															
target	number	The goal target value														
targetDisplayString	string	The textual representation of the goal target														
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.														
trend	integer	The goal value trend														
value	number	The goal current value														
valueDisplayString	string	The textual representation of the current goal value														

Goals (Preview) - Delete Goal Target Value Connection

Reference

Service: Power BI REST APIs

API Version: v1.0

Disconnects the target value of a goal.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/DeleteGoalTargetValueConnection()`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description

200 OK

Goal

The updated goal object after disconnect.

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(c3ac3850-5d7f-4a43-a9db-  
549e1a44ad62)/goals(529cc37c-d224-4ff8-9e5e-  
669c35f3b412)/DeleteGoalTargetValueConnection()
```

Sample response

Status code: 200

Definitions

[\[\] Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRulesContainer	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in

Goal

A Power BI goal

[Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[+] Expand table

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[+] Expand table

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.

29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[\[\] Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[\[\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID

lastModifiedTime	string	The UTC time at last modification														
notes	GoalNote[]	The notes for the goal														
scorecardId	string	The scorecard ID														
status	integer	The ID of the goal status														
[+] Expand table																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ID</th><th>Description</th></tr> </thead> <tbody> <tr><td>0</td><td>Not started</td></tr> <tr><td>1</td><td>On track</td></tr> <tr><td>2</td><td>At risk</td></tr> <tr><td>3</td><td>Behind</td></tr> <tr><td>4</td><td>Overdue</td></tr> <tr><td>5</td><td>Completed</td></tr> </tbody> </table>			ID	Description	0	Not started	1	On track	2	At risk	3	Behind	4	Overdue	5	Completed
ID	Description															
0	Not started															
1	On track															
2	At risk															
3	Behind															
4	Overdue															
5	Completed															
target	number	The goal target value														
targetDisplayString	string	The textual representation of the goal target														
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.														
trend	integer	The goal value trend														
value	number	The goal current value														
valueDisplayString	string	The textual representation of the current goal value														

Goals (Preview) - Get

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of goals from a scorecard.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals?$expand={$expand}&$select={$select}`

URI Parameters

[] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace
scorecard Id	path	True	string uuid	The unique identifier of the scorecard
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>goalValues</code> and <code>aggregations</code> .

\$select	query	string	Allows the clients to select specific properties from the server.
-----------------	-------	--------	-------------------------------------------------------------------

Responses

[] [Expand table](#)

Name	Type	Description
200 OK	Goals	The list of scorecard goals

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(bc390256-fa54-4bd8-96a1-2c80df0cf704)/goals
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/$metadata#scorecards(e399e1d9-6d43-4ccf-b5c2-e8f93335be44)/goals",
  "value": [
    {
      "id": "7e683d36-fce1-41f3-9151-db65cf095001",
      "name": "Goal2",
      "scorecardId": "e399e1d9-6d43-4ccf-b5c2-e8f93335be44",
      "createdTime": "2021-12-14T17:42:07.805447Z",
      "lastModifiedTime": "2021-12-14T17:42:15.0711664Z",
      "startDate": "2021-12-14T17:42:08Z",
      "notesCount": 0,
      "hasStatusRules": false,
      "permissions": "All",
      "level": 0,
```

```

        "rank": 0
    }
]
}

```

Definitions

[Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals	The OData response wrapper for a Power BI goal collection
Goals.Rules.GoalRulesContainer	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in

Goal

A Power BI goal

[Expand table](#)

Name	Type	Description
aggregations	GoalAggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString

description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[+] Expand table

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID

maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[\[+\] Expand table](#)

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[\[+\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format

createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[\[\] Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.

UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals

The OData response wrapper for a Power BI goal collection

[Expand table](#)

Name	Type	Description
@odata.context	string	OData context
value	Goal[]	The goal collection

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID

lastModifiedTime	string	The UTC time at last modification														
notes	GoalNote[]	The notes for the goal														
scorecardId	string	The scorecard ID														
status	integer	The ID of the goal status														
[+] Expand table																
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ID	Description															
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1	On track															
2	At risk															
3	Behind															
4	Overdue															
5	Completed															
target	number	The goal target value														
targetDisplayString	string	The textual representation of the goal target														
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.														
trend	integer	The goal value trend														
value	number	The goal current value														
valueDisplayString	string	The textual representation of the current goal value														

Goals (Preview) - Get By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a goal by ID from a scorecard.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})?expand={expand}`

URI Parameters

[] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard
expand	query		string	description

Responses

[+] Expand table

Name	Type	Description
200 OK	Goal	The goal object

Examples

Example

Sample request

HTTP
<pre>GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(bb2b6321-2b84-4b7b-8de3-40f74ca7e586)/goals(62e3794e-6019-4195-8f5e-38d9a6e18c04)</pre>

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRulesContainer	A container for JSON definitions of status rules on a Power BI goal

Goal

A Power BI goal

[] [Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules. GoalRules	The goal status rules

Container

valuesFormatString string valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[+] Expand table

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[+] Expand table

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline

Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.

23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[\[\] Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[\[\] Expand table](#)

Name	Type	Description

createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

Goals (Preview) - Get Refresh History

Reference

Service: Power BI REST APIs

API Version: v1.0

Reads refresh history of a connected goal.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/GetRefreshHistory()`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description
200 OK	GoalRefresh Histories	The list of goal refresh history objects.

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(c3ac3850-5d7f-4a43-a9db-  
549e1a44ad62)/goals(c26e60d6-58a4-41d0-a0b1-  
a24127bbbfffb)/GetRefreshHistory()
```

Sample response

Status code: 200

JSON

```
{  
    "@odata.context":  
        "http://someserver.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-  
        4bd8-96a1-  
        2c80df0cf704/$metadata#Collection(Microsoft.PowerBI.ServiceContracts.Api.Goa  
        lRefreshHistory)",  
    "value": [  
        {  
            "goalId": "c26e60d6-58a4-41d0-a0b1-a24127bbbfffb",  
            "connectionType": "Current",  
            "status": "Succeeded",  
            "timestamp": "2021-12-13T20:14:55.9533333Z",  
            "rootActivityId": "d01c3346-2275-453a-8107-c4b8c3687c1d",  
            "message": "Goal processing succeeded."  
        },  
        {  
            "goalId": "c26e60d6-58a4-41d0-a0b1-a24127bbbfffb",  
            "connectionType": "Target",  
            "status": "Succeeded",  
            "timestamp": "2021-12-13T20:14:56.7066667Z",  
            "rootActivityId": "74f053e9-f055-482f-bb52-fc506d1ff304",  
            "message": "Goal processing succeeded."  
        },  
        {  
            "goalId": "c26e60d6-58a4-41d0-a0b1-a24127bbbfffb",  
            "connectionType": "Current",  
            "status": "Succeeded",  
            "timestamp": "2021-12-13T21:18:31.5433333Z",  
            "rootActivityId": "5cb886b8-ae64-49f8-8efc-4c3f9aeecc892",  
            "message": "Goal processing succeeded."  
        }  
    ]  
}
```

```
{
  "goalId": "c26e60d6-58a4-41d0-a0b1-a24127bbbfffb",
  "connectionType": "Target",
  "status": "Succeeded",
  "timestamp": "2021-12-13T21:18:31.8Z",
  "rootActivityId": "d24a78c6-6c3b-4cd8-87b3-500eebffe8f5",
  "message": "Goal processing succeeded."
},
{
  "goalId": "c26e60d6-58a4-41d0-a0b1-a24127bbbfffb",
  "connectionType": "Current",
  "status": "Succeeded",
  "timestamp": "2021-12-13T21:41:11.9166667Z",
  "rootActivityId": "85c6cb1c-729e-482d-ba70-0dc42a93f504",
  "message": "Goal processing succeeded."
},
{
  "goalId": "c26e60d6-58a4-41d0-a0b1-a24127bbbfffb",
  "connectionType": "Target",
  "status": "Succeeded",
  "timestamp": "2021-12-13T21:41:12.5033333Z",
  "rootActivityId": "bf040071-9ba0-4830-8835-db847fef1caf",
  "message": "Goal processing succeeded."
}
]
```

Definitions

[\[\] Expand table](#)

Name	Description
GoalProcessingStatus	The status of the refresh processing.
GoalRefreshHistories	The OData response wrapper for a collection of Power BI goal refresh history entries
GoalRefreshHistory	A refresh history entry for a Power BI goal
GoalValueType	The refresh connection type

GoalProcessingStatus

The status of the refresh processing.

[\[\] Expand table](#)

Name	Type	Description
BadQueryResultMetadata	string	Bad query result metadata
ConnectedDatasetDeleted	string	Connected dataset deleted
EmptyGoalValues	string	Empty goal values
Failed	string	Failed
ModelNotFound	string	Model not found
NotProcessed	string	Not processed
QueryExecutionError	string	Query execution error
QueryResultError	string	Query result error
ScorecardNotFound	string	Scorecard not found
Succeeded	string	Succeeded
UserNotAuthorized	string	User not authorized
UserNotFound	string	User not found

GoalRefreshHistories

The OData response wrapper for a collection of Power BI goal refresh history entries

[Expand table](#)

Name	Type	Description
@odata.context	string	OData context
value	GoalRefreshHistory[]	The goal refresh history entries

GoalRefreshHistory

A refresh history entry for a Power BI goal

[Expand table](#)

Name	Type	Description

connectionType	GoalValueType	The refresh connection type
goalId	string	The goal ID
message	string	The verbal description of the status of the refresh operation
rootActivityId	string	The root activity ID
status	Goal Processing Status	The status of the refresh processing.
timestamp	string	The UTC timestamp of the refresh operation

GoalValueType

The refresh connection type

[\[\] Expand table](#)

Name	Type	Description
Current	string	Information about the current value of the goal
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal

Goals (Preview) - Patch By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates a goal by ID.

Required Scope

Dataset.ReadWrite.All

HTTP

PATCH

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Request Body

[+] Expand table

Name	Type	Description
aggregations	GoalAggregation[]	The list of aggregated properties of the goal

completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	GoalPermissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules.GoalRulesContainer	The goal status rules
valuesFormatString	string	valuesFormatString

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Goal	The patched goal object.

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(f74738b3-c62d-4487-838c-  
918d314556ee)/goals(1f482a42-dfc0-44b3-8281-a6f88fb989a3)
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRules Container	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in

Goal

A Power BI goal

[+] Expand table

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[\[\] Expand table](#)

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[\[\] Expand table](#)

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[\[\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[\[\] Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.

UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[\[\] Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[\[\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID

status	integer	The ID of the goal status														
Expand table																
		<table border="1"> <thead> <tr> <th>ID</th><th>Description</th></tr> </thead> <tbody> <tr><td>0</td><td>Not started</td></tr> <tr><td>1</td><td>On track</td></tr> <tr><td>2</td><td>At risk</td></tr> <tr><td>3</td><td>Behind</td></tr> <tr><td>4</td><td>Overdue</td></tr> <tr><td>5</td><td>Completed</td></tr> </tbody> </table>	ID	Description	0	Not started	1	On track	2	At risk	3	Behind	4	Overdue	5	Completed
ID	Description															
0	Not started															
1	On track															
2	At risk															
3	Behind															
4	Overdue															
5	Completed															
target	number	The goal target value														
targetDisplayString	string	The textual representation of the goal target														
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.														
trend	integer	The goal value trend														
value	number	The goal current value														
valueDisplayString	string	The textual representation of the current goal value														

Goals (Preview) - Post

Reference

Service: Power BI REST APIs

API Version: v1.0

Adds a new goal to a scorecard.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

[https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards\({scorecardId}\)/goals](https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals)

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Request Body

[+] Expand table

Name	Required	Type	Description
name	True	string	The goal name
completionDate		string	Optional. The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.

datesFormatString	string	Optional. The custom format string for dates.
parentId	string	Optional. The ID of the parent goal, if defined.
startDate	string	Optional. The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
valuesFormatString	string	Optional. The custom format string for values.

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Goal	The newly created goal.

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(d154070d-e872-4d82-8ad6-eeef96d413ec)/goals
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)

GoalAggregationType	The type of the aggregated property
GoalCreateRequest	A Power BI goal create request
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRulesContainer	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in

Goal

A Power BI goal

[\[\] Expand table](#)

Name	Type	Description
aggregations	GoalAggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.

permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[\[\] Expand table](#)

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[+] [Expand table](#)

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalCreateRequest

A Power BI goal create request

[+] [Expand table](#)

Name	Type	Description
completionDate	string	Optional. The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
datesFormatString	string	Optional. The custom format string for dates.
name	string	The goal name
parentId	string	Optional. The ID of the parent goal, if defined.
startDate	string	Optional. The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
valuesFormatString	string	Optional. The custom format string for values.

GoalNote

A Power BI goal value check-in note

[+] [Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[\[\] Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.

UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

Goals (Preview) - Refresh Goal Current Value

Reference

Service: Power BI REST APIs

API Version: v1.0

Schedules a refresh of the connected value of a goal.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/RefreshGoalCurrentValue()`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description

202
Accepted

Empty response

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(c3ac3850-5d7f-4a43-a9db-  
549e1a44ad62)/goals(c26e60d6-58a4-41d0-a0b1-  
a24127bbbfffb)/RefreshGoalCurrentValue()
```

Sample response

Status code: 200

Goals (Preview) - Refresh Goal Target Value

Reference

Service: Power BI REST APIs

API Version: v1.0

Schedules a refresh of the target value of a goal.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/RefreshGoalTargetValue()`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description

202
Accepted

Empty response

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(c3ac3850-5d7f-4a43-a9db-  
549e1a44ad62)/goals(c26e60d6-58a4-41d0-a0b1-  
a24127bbbfffb)/RefreshGoalTargetValue()
```

Sample response

Status code: 200

GoalsStatusRules (Preview)

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Delete	Removes status rule definitions from a goal.
Get	Returns status rules of a goal.
Post	Creates or updates status rules of a goal.

GoalsStatusRules (Preview) - Delete

Reference

Service: Power BI REST APIs

API Version: v1.0

Removes status rule definitions from a goal.

Required Scope

Dataset.ReadWrite.All

HTTP

`DELETE`

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/statusRules`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description
204 No Content		Empty response

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(f74738b3-c62d-4487-838c-  
918d314556ee)/goals(c07b3600-54be-42ef-9154-39e7922c1bb4)/statusRules
```

Sample response

Status code: 204

GoalsStatusRules (Preview) - Get

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns status rules of a goal.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/statusRules`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description
200 OK	Goals.Rules. GoalStatus	Status rules object.

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(bb2b6321-2b84-4b7b-8de3-  
40f74ca7e586)/goals(62e3794e-6019-4195-8f5e-38d9a6e18c04)/statusRules
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
GoalRulesField ComparisonKind	The comparison operator
Goals.Rules.Field Comparison	A field comparison specification for Power BI goal status rule
Goals.Rules.GoalStatus Rules	The request data to be used when defining or reporting rules for the status of a Power BI goal
Goals.Rules.PercentOf	An entry defining a percentage of some target metric in a condition for Power BI goal status rule
Goals.Rules.Rule_1Of Int32	A status rule object for the Power BI goal
Goals.Rules.Rule Condition	A Power BI goal status rule
Goals.Rules.RuleValue	A specification for a condition in a Power BI goal status rule

GoalRulesFieldComparisonKind

The comparison operator

[Expand table](#)

Name	Type	Description
Equal	string	Are equal
GreaterThan	string	Is greater than
GreaterThanOrEqual	string	Is greater than or equal
LessThan	string	Is less than
LessThanOrEqual	string	Is less than or equal

Goals.Rules.FieldComparison

A field comparison specification for Power BI goal status rule

[Expand table](#)

Name	Type	Description
field	string	The name of the field, such as <code>Timestamp</code> , <code>Value</code> , or <code>Change</code> .
operator	GoalRules Field Comparison Kind	The comparison operator
value	Goals.Rules. RuleValue	The rule value

Goals.Rules.GoalStatusRules

The request data to be used when defining or reporting rules for the status of a Power BI goal

[Expand table](#)

Name	Type	Description
------	------	-------------

defaultOutput	integer	The status ID when no rule matches														
[+] Expand table																
		<table border="1"> <thead> <tr> <th>ID</th><th>Description</th></tr> </thead> <tbody> <tr><td>0</td><td>Not started</td></tr> <tr><td>1</td><td>On track</td></tr> <tr><td>2</td><td>At risk</td></tr> <tr><td>3</td><td>Behind</td></tr> <tr><td>4</td><td>Overdue</td></tr> <tr><td>5</td><td>Completed</td></tr> </tbody> </table>	ID	Description	0	Not started	1	On track	2	At risk	3	Behind	4	Overdue	5	Completed
ID	Description															
0	Not started															
1	On track															
2	At risk															
3	Behind															
4	Overdue															
5	Completed															
goalObjectId	string	The goal ID														
lastModifiedTime	string	The UTC time at last modification														
rules	Goals.Rules.Rule_1OfInt32[]	The list of rules														
scorecardObjectId	string	The scorecard ID														

Goals.Rules.PercentOf

An entry defining a percentage of some target metric in a condition for Power BI goal status rule

[\[+\] Expand table](#)

Name	Type	Description
field	string	The field for which the percent value is computed
percent	number	The percent value

Goals.Rules.Rule_1OfInt32

A status rule object for the Power BI goal

[\[+\] Expand table](#)

Name	Type	Description
conditions	Goals.Rules.RuleCondition[]	The list of status rule conditions
output	integer	The status ID when conditions are met

[\[+\] Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

Goals.Rules.RuleCondition

A Power BI goal status rule

[\[+\] Expand table](#)

Name	Type	Description
expression	string	The rule condition expression when <code>fieldComparison</code> isn't defined
fieldComparison	Goals.Rules.FieldComparison	The field comparison definition when <code>expression</code> isn't defined

Goals.Rules.RuleValue

A specification for a condition in a Power BI goal status rule

[\[+\] Expand table](#)

Name	Type	Description

dateTime	string	The rule value timestamp
field	string	The rule value
number	number	The rule value number
percentOf	Goals.Rules.PercentOf	An entry defining a percentage of some target metric

GoalsStatusRules (Preview) - Post

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates or updates status rules of a goal.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/goals({goalId})/statusRules`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
goalId	path	True	string uuid	The unique identifier of the goal
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Request Body

[+] Expand table

Name	Required	Type	Description
defaultOutput	True	integer	The status ID when no rule matches

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

rules	Goals.Rules.Rule_1OfInt32[]	Optional. The list of rules.
-------	---------------------------------------------	------------------------------

Responses

[Expand table](#)

Name	Type	Description
200 OK	Goals.Rules.GoalStatusRules	Updated status rules definition.

Examples

Example

Sample request

HTTP
<pre>POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(3160d25e-5b63-4f4a-8fc2-ccb9f2c7f99)/goals(f035c3a0-e0f1-4a2a-bd97-86aea708a8d7)/statusRules</pre>

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
GoalRulesFieldComparisonKind	The comparison operator
Goals.Rules.FieldComparison	A field comparison specification for Power BI goal status rule
Goals.Rules.GoalStatusRules	The request data to be used when defining or reporting rules for the status of a Power BI goal
Goals.Rules.GoalStatusRules.UpdateRequest	The request data to be used when updating rules for a Power BI goal
Goals.Rules.PercentOf	An entry defining a percentage of some target metric in a condition for Power BI goal status rule
Goals.Rules.Rule_1OfInt32	A status rule object for the Power BI goal
Goals.Rules.RuleCondition	A Power BI goal status rule
Goals.Rules.RuleValue	A specification for a condition in a Power BI goal status rule

GoalRulesFieldComparisonKind

The comparison operator

[\[+\] Expand table](#)

Name	Type	Description
Equal	string	Are equal
GreaterThan	string	Is greater than
GreaterThanOrEqualTo	string	Is greater than or equal
LessThan	string	Is less than
LessThanOrEqualTo	string	Is less than or equal

Goals.Rules.FieldComparison

A field comparison specification for Power BI goal status rule

[\[+\] Expand table](#)

Name	Type	Description
field	string	The name of the field, such as <code>Timestamp</code> , <code>Value</code> , or <code>Change</code> .
operator	GoalRules Field Comparison Kind	The comparison operator
value	Goals.Rules. RuleValue	The rule value

Goals.Rules.GoalStatusRules

The request data to be used when defining or reporting rules for the status of a Power BI goal

[\[+\] Expand table](#)

Name	Type	Description
defaultOutput	integer	The status ID when no rule matches
[+] Expand table		
ID	Description	
0	Not started	
1	On track	
2	At risk	
3	Behind	
4	Overdue	
5	Completed	
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	Goals.Rules.Rule_1Of Int32[]	The list of rules

scorecardObjectId	string	The scorecard ID
-------------------	--------	------------------

Goals.Rules.GoalStatusRulesUpdateRequest

The request data to be used when updating rules for a Power BI goal

[+] [Expand table](#)

Name	Type	Description														
defaultOutput	integer	The status ID when no rule matches														
<p>[+] Expand table</p> <table border="1"><thead><tr><th>ID</th><th>Description</th></tr></thead><tbody><tr><td>0</td><td>Not started</td></tr><tr><td>1</td><td>On track</td></tr><tr><td>2</td><td>At risk</td></tr><tr><td>3</td><td>Behind</td></tr><tr><td>4</td><td>Overdue</td></tr><tr><td>5</td><td>Completed</td></tr></tbody></table>			ID	Description	0	Not started	1	On track	2	At risk	3	Behind	4	Overdue	5	Completed
ID	Description															
0	Not started															
1	On track															
2	At risk															
3	Behind															
4	Overdue															
5	Completed															
rules	Goals.Rules.Rule_1OfInt32[]	Optional. The list of rules.														

Goals.Rules.PercentOf

An entry defining a percentage of some target metric in a condition for Power BI goal status rule

[+] [Expand table](#)

Name	Type	Description
field	string	The field for which the percent value is computed
percent	number	The percent value

Goals.Rules.Rule_1OfInt32

A status rule object for the Power BI goal

[+] Expand table

Name	Type	Description
conditions	Goals.Rules.RuleCondition[]	The list of status rule conditions
output	integer	The status ID when conditions are met

[+] Expand table

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

Goals.Rules.RuleCondition

A Power BI goal status rule

[+] Expand table

Name	Type	Description
expression	string	The rule condition expression when <code>fieldComparison</code> isn't defined
fieldComparison	Goals.Rules.FieldComparison	The field comparison definition when <code>expression</code> isn't defined

Goals.Rules.RuleValue

A specification for a condition in a Power BI goal status rule

[\[\] Expand table](#)

Name	Type	Description
dateTime	string	The rule value timestamp
field	string	The rule value
number	number	The rule value number
percentOf	Goals.Rules.PercentOf	An entry defining a percentage of some target metric

Groups

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Add Group User	Grants the specified user the specified permissions to the specified workspace.
Create Group	Creates a new workspace.
Delete Group	Deletes the specified workspace.
Delete User In Group	Deletes the specified user permissions from the specified workspace.
Get Group	Returns a specified workspace.
Get Groups	Returns a list of workspaces the user has access to.
Get Group Users	Returns a list of users that have access to the specified workspace.
Update Group	Updates a specified workspace.
Update Group User	Updates the specified user permissions to the specified workspace.

Groups - Add Group User

Reference

Service: Power BI REST APIs

API Version: v1.0

Grants the specified user the specified permissions to the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.ReadWrite.All

Limitations

User permissions for workspaces take time to get updated and may not be immediately available when using API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/users
```

URI Parameters

[] [Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Request Body

[Expand table](#)

Name	Required	Type	Description
groupUserAccessRight	True	GroupUserAccessRight	The access right (permission level) that a user has on the workspace
identifier	True	string	Identifier of the principal
principalType	True	PrincipalType	The principal type
displayName		string	Display name of the principal
emailAddress		string	Email address of the user
graphId		string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
profile		Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType		string	Type of the user.

Responses

[Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

[Expand table](#)

Assign administrator user access rights to a service principal example
Example

Assign administrator user access rights to a service principal example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/users
```

Request Body

JSON

```
{  
    "identifier": "1f69e798-5852-4fdd-ab01-33bb14b6e934",  
    "groupUserAccessRight": "Admin",  
    "principalType": "App"  
}
```

Sample response

Status code: 200

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/users
```

Request Body

JSON

```
{  
    "emailAddress": "john@contoso.com",  
    "groupUserAccessRight": "Admin"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
GroupUser	A Power BI user with access to the workspace
GroupUserAccessRight	The access right (permission level) that a user has on the workspace
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

GroupUser

A Power BI user with access to the workspace

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUserAccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[+] [Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Groups - Create Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.ReadWrite.All

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups
```

With optional parameters:

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups?workspaceV2={workspaceV2}
```

URI Parameters

 [Expand table](#)

Name	In	Required	Type	Description
workspaceV2	query		boolean	(Preview feature) Whether to create a workspace. The only supported value is <code>true</code> .

Request Body

[\[\] Expand table](#)

Name	Required	Type	Description
name	True	string	The name of the newly created group

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Group	OK

Examples

[\[\] Expand table](#)

Create a workspace example
Example

Create a workspace example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups?workspaceV2=True
```

Request Body

JSON

```
{
  "name": "sample workspace"
}
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "f089354e-8366-4e18-aea3-4cb4a3a50b48",  
      "isOnDedicatedCapacity": false,  
      "name": "sample workspace"  
    }  
  ]  
}
```

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups
```

Request Body

JSON

```
{  
  "name": "sample group"  
}
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "f089354e-8366-4e18-aea3-4cb4a3a50b48",  
      "isReadOnly": false,  
      "isOnDedicatedCapacity": false,  
      "name": "sample group"  
    }  
  ]  
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
AzureResource	A response detailing a user-owned Azure resource such as a Log Analytics workspace.
DefaultDatasetStorageFormat	The default dataset storage format in the group
Group	A Power BI group
GroupCreationRequest	A Power BI request to create a new group

AzureResource

A response detailing a user-owned Azure resource such as a Log Analytics workspace.

[\[+\] Expand table](#)

Name	Type	Description
id	string	An identifier for the resource within Power BI.
resourceGroup	string	The resource group within the subscription where the resource resides.
resourceName	string	The name of the resource.
subscriptionId	string	The Azure subscription where the resource resides.

DefaultDatasetStorageFormat

The default dataset storage format in the group

[\[+\] Expand table](#)

Name	Type	Description
Large	string	Large dataset storage format
Small	string	Small dataset storage format

Group

A Power BI group

[\[+\] Expand table](#)

Name	Type	Description
capacityId	string	The capacity ID
dataflowStorageId	string	The Power BI dataflow storage account ID
defaultDatasetStorageFormat	Default Dataset Storage Format	The default dataset storage format in the workspace. Returned only when <code>isOnDedicatedCapacity</code> is <code>true</code>
id	string	The workspace ID
isOnDedicatedCapacity	boolean	Whether the group is assigned to a dedicated capacity
isReadOnly	boolean	Whether the group is read-only
logAnalyticsWorkspace	Azure Resource	The Log Analytics workspace assigned to the group. This is returned only when retrieving a single group.
name	string	The group name

GroupCreationRequest

A Power BI request to create a new group

[\[+\] Expand table](#)

Name	Type	Description
name	string	The name of the newly created group

Groups - Delete Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.ReadWrite.All

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/{groupId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-  
4cb4a3a50b48
```

Sample response

Status code: 200

Groups - Delete User In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified user permissions from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.ReadWrite.All

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/{groupId}/users/{user}
```

With optional parameters:

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/{groupId}/users/{user}?
profileId={profileId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
user	path	True	string	The email address of the user or object ID of the service principal to delete

profile Id	query	string uuid	The service principal profile ID to delete
-------------------	-------	----------------	--------------------------------------------

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/users/john@contoso.com
```

Sample response

Status code: 200

Groups - Get Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.Read.All or Workspace.ReadWrite.All

Limitations

User permissions for workspaces take time to get updated and may not be immediately available when using API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Group	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48
```

Sample response

Status code: 200

JSON

```
{
  "id": "f089354e-8366-4e18-aea3-4cb4a3a50b48",
  "isReadOnly": false,
  "isOnDedicatedCapacity": true,
  "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2",
  "defaultDatasetStorageFormat": "Small",
  "name": "Sample Group 1"
}
```

Definitions

[\[\] Expand table](#)

Name	Description
AzureResource	A response detailing a user-owned Azure resource such as a Log Analytics workspace.
DefaultDatasetStorageFormat	The default dataset storage format in the group

Group

A Power BI group

AzureResource

A response detailing a user-owned Azure resource such as a Log Analytics workspace.

[+] [Expand table](#)

Name	Type	Description
id	string	An identifier for the resource within Power BI.
resourceGroup	string	The resource group within the subscription where the resource resides.
resourceName	string	The name of the resource.
subscriptionId	string	The Azure subscription where the resource resides.

DefaultDatasetStorageFormat

The default dataset storage format in the group

[+] [Expand table](#)

Name	Type	Description
Large	string	Large dataset storage format
Small	string	Small dataset storage format

Group

A Power BI group

[+] [Expand table](#)

Name	Type	Description
capacityId	string	The capacity ID
dataflowStorageId	string	The Power BI dataflow storage account ID
defaultDatasetStorageFormat	Default Dataset	The default dataset storage format in the workspace. Returned only when

	Storage Format	<code>isOnDedicatedCapacity</code> is <code>true</code>
<code>id</code>	string	The workspace ID
<code>isOnDedicatedCapacity</code>	boolean	Whether the group is assigned to a dedicated capacity
<code>isReadOnly</code>	boolean	Whether the group is read-only
<code>logAnalyticsWorkspace</code>	Azure Resource	The Log Analytics workspace assigned to the group. This is returned only when retrieving a single group.
<code>name</code>	string	The group name

Groups - Get Group Users

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.Read.All or Workspace.ReadWrite.All

Limitations

User permissions for workspaces take time to get updated and may not be immediately available when using API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/users
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/users?$top={$top}&$skip={$skip}
```

URI Parameters

[] [Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[+] Expand table

Name	Type	Description
200 OK	GroupUsers	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/users
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "displayName": "John Nick",
      "emailAddress": "john@contoso.com",
      "groupUserAccessRight": "Admin",
      "identifier": "john@contoso.com",
      "principalType": "User"
    },
  ]}
```

```
{
  "displayName": "Adam Wood",
  "emailAddress": "Adam@contoso.com",
  "groupUserAccessRight": "Member",
  "identifier": "Adam@contoso.com",
  "principalType": "User"
},
{
  "displayName": "ContosoTestApp",
  "groupUserAccessRight": "Admin",
  "identifier": "3d9b93c6-7b6d-4801-a491-1738910904fd",
  "principalType": "App"
}
]
```

Definitions

[\[+\] Expand table](#)

Name	Description
GroupUser	A Power BI user with access to the workspace
GroupUserAccessRight	The access right (permission level) that a user has on the workspace
GroupUsers	The OData response wrapper for a list of Power BI users with access to a workspace
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution.

GroupUser

A Power BI user with access to the workspace

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUserAccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[\[\]](#) [Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

GroupUsers

The OData response wrapper for a list of Power BI users with access to a workspace

[\[\]](#) [Expand table](#)

Name	Type	Description
odata.context	string	
value	GroupUser[]	The list of users with access to a workspace

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Groups - Get Groups

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of workspaces the user has access to.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.Read.All or Workspace.ReadWrite.All

Limitations

User permissions for workspaces take time to get updated and may not be immediately available when using API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups?$filter={$filter}&$top={$top}&$skip={$skip}
```

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
\$filter	query		string	Returns a subset of a results based on Odata filter query parameter condition.
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Groups	OK

Examples

[+] [Expand table](#)

Example
Get a list of workspaces using a filter example

Example

Sample request

HTTP
<code>GET https://api.powerbi.com/v1.0/myorg/groups</code>

Sample response

Status code: 200

JSON
{ "value": [{

```

    "id": "f089354e-8366-4e18-aea3-4cb4a3a50b48",
    "isReadOnly": false,
    "isOnDedicatedCapacity": false,
    "name": "sample group"
},
{
    "id": "3d9b93c6-7b6d-4801-a491-1738910904fd",
    "isReadOnly": false,
    "isOnDedicatedCapacity": true,
    "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2",
    "defaultDatasetStorageFormat": "Small",
    "name": "marketing group"
},
{
    "id": "a2f89923-421a-464e-bf4c-25eab39bb09f",
    "isReadOnly": false,
    "isOnDedicatedCapacity": true,
    "capacityId": "0f084df7-c13d-451b-af5f-ed0c466403b2",
    "defaultDatasetStorageFormat": "Large",
    "name": "contoso",
    "dataflowStorageId": "d692ae06-708c-485e-9987-06ff0fbdbb1f"
}
]
}

```

Get a list of workspaces using a filter example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups?
$filter=contains(name,'marketing')%20or%20name%20eq%20'contoso'
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "id": "3d9b93c6-7b6d-4801-a491-1738910904fd",
            "isReadOnly": false,
            "isOnDedicatedCapacity": false,
            "name": "marketing group"
        },
        {
            "id": "a2f89923-421a-464e-bf4c-25eab39bb09f",

```

```

        "isReadOnly": false,
        "isOnDedicatedCapacity": false,
        "name": "contoso",
        "dataflowStorageId": "d692ae06-708c-485e-9987-06ff0fbdbb1f"
    }
]
}

```

Definitions

[\[+\] Expand table](#)

Name	Description
AzureResource	A response detailing a user-owned Azure resource such as a Log Analytics workspace.
DefaultDatasetStorageFormat	The default dataset storage format in the group
Group	A Power BI group
Groups	The OData response wrapper for a list of Power BI groups

AzureResource

A response detailing a user-owned Azure resource such as a Log Analytics workspace.

[\[+\] Expand table](#)

Name	Type	Description
id	string	An identifier for the resource within Power BI.
resourceGroup	string	The resource group within the subscription where the resource resides.
resourceName	string	The name of the resource.
subscriptionId	string	The Azure subscription where the resource resides.

DefaultDatasetStorageFormat

The default dataset storage format in the group

[\[+\] Expand table](#)

Name	Type	Description
Large	string	Large dataset storage format
Small	string	Small dataset storage format

Group

A Power BI group

[\[+\] Expand table](#)

Name	Type	Description
capacityId	string	The capacity ID
dataflowStorageId	string	The Power BI dataflow storage account ID
defaultDatasetStorageFormat	Default Dataset Storage Format	The default dataset storage format in the workspace. Returned only when <code>isOnDedicatedCapacity</code> is <code>true</code>
id	string	The workspace ID
isOnDedicatedCapacity	boolean	Whether the group is assigned to a dedicated capacity
isReadOnly	boolean	Whether the group is read-only
logAnalyticsWorkspace	Azure Resource	The Log Analytics workspace assigned to the group. This is returned only when retrieving a single group.
name	string	The group name

Groups

The OData response wrapper for a list of Power BI groups

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context

value

[Group\[\]](#)

The list of groups

Groups - Update Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates a specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.ReadWrite.All

Limitations

For Shared capacities, only the name can be updated.

For Premium capacities, only the name and defaultDatasetStorageFormat can be updated.

The name must be unique inside an organization.

HTTP

PATCH `https://api.powerbi.com/v1.0/myorg/groups/{groupId}`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>groupId</code>	path	True	string uuid	The workspace ID

Request Body

[\[\] Expand table](#)

Name	Type	Description
defaultDatasetStorageFormat	DefaultDatasetStorage Format	The default dataset storage format in the group
name	string	The group name

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/e2284830-c8dc-416b-b19a-8cdcd2729332
```

Request Body

JSON

```
{
  "name": "Updated Sales Results",
  "defaultDatasetStorageFormat": "Large"
}
```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
DefaultDatasetStorageFormat	The default dataset storage format in the group
UpdateGroupRequest	An update request for the group

DefaultDatasetStorageFormat

The default dataset storage format in the group

[\[+\] Expand table](#)

Name	Type	Description
Large	string	Large dataset storage format
Small	string	Small dataset storage format

UpdateGroupRequest

An update request for the group

[\[+\] Expand table](#)

Name	Type	Description
defaultDatasetStorageFormat	Default Dataset Storage Format	The default dataset storage format in the group
name	string	The group name

Groups - Update Group User

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the specified user permissions to the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.ReadWrite.All

Limitations

User permissions for workspaces take time to get updated and may not be immediately available when using API calls. To refresh user permissions, use the [Refresh User Permissions](#) API call.

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/groups/{groupId}/users
```

URI Parameters

 [Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Request Body

[Expand table](#)

Name	Required	Type	Description
groupUserAccessRight	True	GroupUserAccessRight	The access right (permission level) that a user has on the workspace
identifier	True	string	Identifier of the principal
principalType	True	PrincipalType	The principal type
displayName		string	Display name of the principal
emailAddress		string	Email address of the user
graphId		string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
profile		Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType		string	Type of the user.

Responses

[Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

[Expand table](#)

Assign administrator user access rights to a service principal example
Example

Assign administrator user access rights to a service principal example

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/users
```

Request Body

JSON

```
{  
    "identifier": "1f69e798-5852-4fdd-ab01-33bb14b6e934",  
    "groupUserAccessRight": "Admin",  
    "principalType": "App"  
}
```

Sample response

Status code: 200

Example

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/users
```

Request Body

JSON

```
{  
    "emailAddress": "john@contoso.com",  
    "groupUserAccessRight": "Admin"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
GroupUser	A Power BI user with access to the workspace
GroupUserAccessRight	The access right (permission level) that a user has on the workspace
PrincipalType	The principal type
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

GroupUser

A Power BI user with access to the workspace

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
groupUserAccessRight	GroupUserAccessRight	The access right (permission level) that a user has on the workspace
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

GroupUserAccessRight

The access right (permission level) that a user has on the workspace

[+] [Expand table](#)

Name	Type	Description
Admin	string	Administrator rights to workspace content
Contributor	string	Read and explore (ReadExplore) access to workspace content
Member	string	Read, reshare and explore (ReadReshareExplore) access rights to workspace content
None	string	No access to workspace content
Viewer	string	Read-only (Read) access to workspace content

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Imports

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Create Temporary Upload Location	Creates a temporary blob storage upload location for importing large Power BI .pbix files that are between 1 GB and 10 GB in size.
Create Temporary Upload Location In Group	Creates a temporary blob storage upload location for importing large Power BI .pbix files that are between 1 GB and 10 GB in size.
Get Import	Returns the specified import from My workspace .
Get Import In Group	Returns the specified import from the specified workspace.
Get Imports	Returns a list of imports from My workspace .
Get Imports In Group	Returns a list of imports from the specified workspace.
Post Import	Creates new content in My workspace .
Post Import In Group	Creates new content in the specified workspace.

Imports - Create Temporary Upload Location

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a temporary blob storage upload location for importing large Power BI .pbix files that are between 1 GB and 10 GB in size.

To import large Power BI .pbix files:

1. Create a temporary upload location using this API call.
2. Upload the Power BI .pbix files using the *shared access signature* URL from the API call response.
3. Call [Post Import In Group](#), specifying the *shared access signature* URL in the `fileUrl` parameter of the [request body](#).

See the [Import Large Files ↗](#) PowerShell script for an example of using this API.

Required Scope

Dataset.ReadWrite.All

Limitations

Importing large Power BI .pbix files between 1 GB and 10 GB in size is only available for Premium capacity workspaces.

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/imports/createTemporaryUploadLocation</code>

Responses

[\[+\] Expand table](#)

Name	Type	Description
------	------	-------------

200 OK	Temporary Upload Location	OK
--------	---------------------------	----

Definitions

TemporaryUploadLocation

A Power BI update report content request

 [Expand table](#)

Name	Type	Description
ExpirationTime	string	The expiration date and time of the shared access signature URL
Url	string	The shared access signature URL for the temporary blob storage

Imports - Create Temporary Upload Location In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a temporary blob storage upload location for importing large Power BI .pbix files that are between 1 GB and 10 GB in size.

To import large Power BI .pbix files:

1. Create a temporary upload location using this API call.
2. Upload the Power BI .pbix files using the *shared access signature* URL from the API call response.
3. Call [Post Import In Group](#), specifying the *shared access signature* URL in the `fileUrl` parameter of the [request body](#).

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

Importing large Power BI .pbix files between 1 GB and 10 GB in size is only available for Premium capacity workspaces.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/imports/createTemporaryUploadLocation`

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Temporary Upload Location	OK

Definitions

TemporaryUploadLocation

A Power BI update report content request

[\[+\] Expand table](#)

Name	Type	Description
ExpirationTime	string	The expiration date and time of the shared access signature URL
Url	string	The shared access signature URL for the temporary blob storage

Imports - Get Import

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified import from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/imports/{importId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
importId	path	True	string uuid	The import ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Import	OK

Examples

[\[+\] Expand table](#)

```
Completed import example
```

In-progress import example

Completed import example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/imports/82d9a37a-2b45-4221-b012-cb109b8e30c7
```

Sample response

Status code: 200

JSON

```
{
  "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
  "importState": "Succeeded",
  "createdDateTime": "2018-05-08T14:56:18.477Z",
  "updatedDateTime": "2018-05-08T14:56:18.477Z",
  "name": "SalesMarketing",
  "connectionType": "import",
  "source": "Upload",
  "datasets": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "webUrl": "https://app.powerbi.com/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ],
  "reports": [
    {
      "id": "5b218778-e7a5-4d73-8187-f10824047715",
      "name": "SalesMarketing",
      "webUrl": "https://app.powerbi.com/reports/5b218778-e7a5-4d73-8187-f10824047715",
      "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715"
    }
  ]
}
```

In-progress import example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/imports/82d9a37a-2b45-4221-b012-cb109b8e30c7
```

Sample response

Status code: 200

JSON

```
{  
  "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",  
  "importState": "Publishing",  
  "createdDateTime": "2018-05-08T14:56:18.477Z",  
  "updatedDateTime": "2018-05-08T14:56:18.477Z",  
  "name": "SalesMarketing",  
  "connectionType": "import",  
  "source": "Upload",  
  "datasets": [],  
  "reports": []  
}
```

Definitions

[] Expand table

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset

EncryptionStatus	Dataset encryption status
Import	The import object
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccess Right	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external

		users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[\[+\] Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[\[+\] Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\] Expand table](#)

Name	Type	Description

None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[+] Expand table

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Import

The import object

[+] Expand table

Name	Type	Description
createdDateTime	string	Import creation date and time
datasets	Dataset[]	The datasets associated with this import
id	string	The import ID
importState	enum: Failed Publishing Succeeded	The import upload state
name	string	The import name
reports	Report[]	The reports associated with this import
updatedDateTime	string	Import last update date and time

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release.

You can retrieve subscription information for a Power BI report by using the [Get Report Subscriptions as Admin](#) API call.

users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription

frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Profile

userType	string	Type of the user.
----------	--------	-------------------

Imports - Get Import In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified import from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/imports/{importId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
importId	path	True	string uuid	The import ID

Responses

[+] Expand table

Name	Type	Description

200 OK

[Import](#)

OK

Examples

[\[\]](#) [Expand table](#)

[Completed import example](#)

[In-progress import example](#)

Completed import example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/imports/82d9a37a-2b45-4221-b012-cb109b8e30c7
```

Sample response

Status code: 200

JSON

```
{
  "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
  "importState": "Succeeded",
  "createdDateTime": "2018-05-08T14:56:18.477Z",
  "updatedDateTime": "2018-05-08T14:56:18.477Z",
  "name": "SalesMarketing",
  "connectionType": "import",
  "source": "Upload",
  "datasets": [
    {
      "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "name": "SalesMarketing",
      "webUrl": "https://app.powerbi.com/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229"
    }
  ],
  "reports": [
    {
      "id": "5b218778-e7a5-4d73-8187-f10824047715",
      "name": "SalesMarketing",
      "webUrl": "https://app.powerbi.com/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715",
    }
  ]
}
```

```
        "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48"
    }
}
```

In-progress import example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/imports/82d9a37a-2b45-4221-b012-cb109b8e30c7
```

Sample response

Status code: 200

JSON

```
{
  "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
  "importState": "Publishing",
  "createdDateTime": "2018-05-08T14:56:18.477Z",
  "updatedDateTime": "2018-05-08T14:56:18.477Z",
  "name": "SalesMarketing",
  "connectionType": "import",
  "source": "Upload",
  "datasets": [],
  "reports": []
}
```

Definitions

[+] Expand table

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset

DatasetUser	A Power BI user access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
DependentDataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
Import	The import object
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable

		when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the

[PostWorkspaceInfo](#) API with the `getArtifactUsers` parameter.

webUrl	string	The web URL of the dataset
--------	--------	----------------------------

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] Expand table

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[+] Expand table

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Import

The import object

[\[+\] Expand table](#)

Name	Type	Description
createdDateTime	string	Import creation date and time
datasets	Dataset[]	The datasets associated with this import
id	string	The import ID
importState	enum: Failed Publishing Succeeded	The import upload state

name	string	The import name
reports	Report[]	The reports associated with this import
updatedDateTime	string	Import last update date and time

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an

app.

reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)

userType	string	Type of the user.
----------	--------	-------------------

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)

artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report , Dashboard , or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Imports - Get Imports

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of imports from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/imports
```

Responses

[Expand table](#)

Name	Type	Description
200 OK	Imports	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/imports
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
      "importState": "Succeeded",
      "createdDateTime": "2018-05-08T14:56:18.477Z",
      "updatedDateTime": "2018-05-08T14:56:18.477Z",
      "name": "SalesMarketing",
      "connectionType": "import",
      "source": "Upload",
      "datasets": [
        {
          "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
          "name": "SalesMarketing",
          "webUrl": "https://app.powerbi.com/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229"
        }
      ],
      "reports": [
        {
          "id": "5b218778-e7a5-4d73-8187-f10824047715",
          "name": "SalesMarketing",
          "webUrl": "https://app.powerbi.com/reports/5b218778-e7a5-4d73-8187-f10824047715",
          "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715"
        }
      ]
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)

Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
Import	The import object
Imports	The OData response wrapper for a Power BI import collection
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccess Right	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a

		GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[\] Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Import

The import object

[\[+\] Expand table](#)

Name	Type	Description
createdDateTime	string	Import creation date and time
datasets	Dataset[]	The datasets associated with this import
id	string	The import ID
importState	enum: Failed Publishing Succeeded	The import upload state
name	string	The import name
reports	Report[]	The reports associated with this import

updatedDateTime	string	Import last update date and time
-----------------	--------	----------------------------------

Imports

The OData response wrapper for a Power BI import collection

[+] Expand table

Name	Type	Description
odata.context	string	OData context
value	Import[]	The import collection

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] Expand table

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report

description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.

identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] Expand table

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Imports - Get Imports In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of imports from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Importing Power BI .pbix files from OneDrive isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/imports
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Imports	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/imports
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "82d9a37a-2b45-4221-b012-cb109b8e30c7",
      "importState": "Succeeded",
      "createdDateTime": "2018-05-08T14:56:18.477Z",
      "updatedDateTime": "2018-05-08T14:56:18.477Z",
      "name": "SalesMarketing",
      "connectionType": "import",
      "source": "Upload",
      "datasets": [
        {
          "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
          "name": "SalesMarketing",
          "webUrl": "https://app.powerbi.com/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229"
        }
      ],
      "reports": [
        {
          "id": "5b218778-e7a5-4d73-8187-f10824047715",
          "name": "SalesMarketing",
          "webUrl": "https://app.powerbi.com/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715",
          "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48"
        }
      ]
    }
  ]
}
```

```

        }
    ]
}
}
```

Definitions

[Expand table](#)

Name	Description
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
DependentDataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
Import	The import object
Imports	The OData response wrapper for a Power BI import collection
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)

SubscriptionUser

A Power BI email subscription user

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[+] Expand table

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner

description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description

datasetUserAccessRight	DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\]](#) [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset

ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset
-------------------------	--------	-------------------------------------------------------------------------------

DependentDataflow

A Power BI dependent dataflow

[+] [Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[+] [Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[+] [Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Import

The import object

[\[+\] Expand table](#)

Name	Type	Description
createdDateTime	string	Import creation date and time
datasets	Dataset[]	The datasets associated with this import
id	string	The import ID
importState	enum: Failed Publishing Succeeded	The import upload state
name	string	The import name
reports	Report[]	The reports associated with this import
updatedDateTime	string	Import last update date and time

Imports

The OData response wrapper for a Power BI import collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Import[]	The import collection

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type

Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API

call, or the [PostWorkspaceInfo](#) API call with the `getArtifactUsers` parameter.

webUrl	string	The web URL of the report
--------	--------	---------------------------

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report

ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email

		subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Imports - Post Import

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates new content in **My workspace**.

See the [Import Large Files](#) PowerShell script for an example of using this API.

① Note

Supported content:

Power BI .pbix files

JSON files (.json)

Excel files (.xlsx)

RDL files (.rdl)

To import a file, specify the content type **multipart/form-data** in the request headers and encode the file as [form data](#) in the request body.

To import an .rdl file, include the file extension in the name specified by `datasetDisplayName`, as described in [URI parameters](#).

To import an .xlsx file from OneDrive for Business, include the content type **application/json** in the request headers. Include [ImportInfo](#) with `filePath` set to the .xlsx file path in the request body.

To import large Power BI .pbix files that are between 1 GB and 10 GB in size, see [Create Temporary Upload Location](#). This is only supported for Premium capacity workspaces.

To create a dataflow from a model.json file, set `datasetDisplayName` to *model.json*, as described in [URI parameters](#).

Required Scope

Dataset.ReadWrite.All

Limitations

Dataflows with service principal aren't supported.

Importing a Power BI .pbix file from OneDrive isn't supported.

Importing a file that has a **protected** sensitivity label isn't supported for service principals.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/imports?datasetDisplayName={datasetDisplayName}
```

With optional parameters:

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/imports?datasetDisplayName={datasetDisplayName}&nameConflict={nameConflict}&skipReport={skipReport}&overrideReportLabel={overrideReportLabel}&overrideModelLabel={overrideModelLabel}&subfolderObjectId={subfolderObjectId}
```

URI Parameters

[] Expand table

Name	In	Required	Type	Description
dataset DisplayName	query	True	string	The display name of the dataset, should include file extension. Not supported when importing from OneDrive for Business.
name Conflict	query		Import Conflict Handler Mode	Specifies what to do if a dataset with the same name already exists. The default value is <code>Ignore</code> . For RDL files, <code>Abort</code> and <code>Overwrite</code> are the only supported options.
override ModelLabel	query		boolean	Whether to override the existing label on a model when republishing a Power BI .pbix file. The service default value is <code>true</code> .
override ReportLabel	query		boolean	Whether to override the existing report label when republishing a Power BI .pbix file. The service default value is <code>true</code> .
skipReport	query		boolean	Whether to skip report import. If specified, the value must be <code>true</code> . Only supported for Power BI .pbix files.

subfolder	query	string	The subfolder ID to import the file to subfolder.
objectId		uuid	

Request Body

Media Types: "application/json", "multipart/form-data"

[+] Expand table

Name	Type	Description
connectionType	connectionType	The import connection type for a OneDrive for Business file
filePath	string	The path of the OneDrive for Business Excel (.xlsx) file to import, which can be absolute or relative. Power BI .pbix files aren't supported.
fileUrl	string	The shared access signature URL of the temporary blob storage used to import large Power BI .pbix files between 1 GB and 10 GB in size.

Responses

[+] Expand table

Name	Type	Description
200 OK	Import	OK
202 Accepted	Import	Accepted

Examples

[+] Expand table

Import dataflow example
Post import example
Post import with 'skipReport' example

Import dataflow example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/imports?  
datasetDisplayName=model.json&nameConflict=Abort
```

Request Body

JSON

```
{  
  "value": "--f05e5244-f876-43b9-bc87-d71598f6b32a Content-Disposition:  
  form-data name=model.json; filename=model.json Content-Type:  
  application/json [Contents of Model JSON Encoded] --f05e5244-f876-43b9-bc87-  
  d71598f6b32a--"  
}
```

Sample response

Status code: 202

JSON

```
{  
  "id": "d02b8896-e247-4d83-ae5a-014028cb0665"  
}
```

Post import example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/imports?  
datasetDisplayName=MyReport&nameConflict=Ignore
```

Request Body

JSON

```
{  
  "value": "--f05e5244-f876-43b9-bc87-d71598f6b32a Content-Disposition:
```

```
form-data AA...ZZ --f05e5244-f876-43b9-bc87-d71598f6b32a--"  
}
```

Sample response

Status code: 202

JSON

```
{  
  "id": "d02b8896-e247-4d83-ae5a-014028cb0665"  
}
```

Post import with 'skipReport' example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/imports?  
datasetDisplayName=MyReport&nameConflict=Ignore&skipReport=True&overrideRepo  
rtLabel=True&overrideModelLabel=True
```

Request Body

JSON

```
{  
  "value": "--f05e5244-f876-43b9-bc87-d71598f6b32a Content-Disposition:  
form-data AA...ZZ --f05e5244-f876-43b9-bc87-d71598f6b32a--"  
}
```

Sample response

Status code: 202

JSON

```
{  
  "id": "d02b8896-e247-4d83-ae5a-014028cb0665"  
}
```

Definitions

Name	Description
connectionType	The import connection type for a OneDrive for Business file
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
Import	The import object
ImportConflict HandlerMode	Specifies what to do if a dataset with the same name already exists. The default value is <code>Ignore</code> . For RDL files, <code>Abort</code> and <code>Overwrite</code> are the only supported options.
ImportInfo	The information about the import
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccess Right	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

connectionType

The import connection type for a OneDrive for Business file

[+] Expand table

Name	Type	Description
connect	string	
import	string	

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[+] Expand table

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for

		other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset

ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the

		encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Import

The import object

[+] Expand table

Name	Type	Description
createdDateTime	string	Import creation date and time
datasets	Dataset[]	The datasets associated with this import
id	string	The import ID
importState	enum: Failed Publishing Succeeded	The import upload state
name	string	The import name
reports	Report[]	The reports associated with this import
updatedDateTime	string	Import last update date and time

ImportConflictHandlerMode

Specifies what to do if a dataset with the same name already exists. The default value is `Ignore`. For RDL files, `Abort` and `Overwrite` are the only supported options.

[+] Expand table

Name	Type	Description
Abort	string	If a dataset with the same name already exists, the import operation will be cancelled.

CreateOrOverwrite	string	If a dataset with the same name already exists, the import operation will replace the existing dataset with the new one. The import operation will fail if there's more than one existing dataset with the same name.
GenerateUniqueName	string	If a dataflow with the same name already exists, the import operation will generate a new unique name for the new dataflow.
Ignore	string	If a dataset with the same name already exists, the import operation will create a new dataset with the same name.
Overwrite	string	If a dataset with the same name already exists, the import operation will replace the existing dataset with the new one. The import operation will fail if there's no conflict or if there's more than one existing dataset with the same name.

ImportInfo

The information about the import

[\[+\] Expand table](#)

Name	Type	Description
connectionType	connectionType	The import connection type for a OneDrive for Business file
filePath	string	The path of the OneDrive for Business Excel (.xlsx) file to import, which can be absolute or relative. Power BI .pbix files aren't supported.
fileUrl	string	The shared access signature URL of the temporary blob storage used to import large Power BI .pbix files between 1 GB and 10 GB in size.

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type

Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API

call, or the [PostWorkspaceInfo](#) API call with the `getArtifactUsers` parameter.

webUrl	string	The web URL of the report
--------	--------	---------------------------

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report

ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email

		subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Imports - Post Import In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates new content in the specified workspace.

ⓘ Note

Supported content:

Power BI .pbix files

JSON files (.json)

Excel files (.xlsx)

SQL Server Report Definition Language files (.rdl)

To import a file, specify the content type **multipart/form-data** in the request headers and encode the file as [form data](#) in the request body.

To import an .rdl file, include the file extension in the name specified by `datasetDisplayName`, as described in [URI parameters](#).

To import an .xlsx file from OneDrive for Business, include the content type **application/json** in the request headers. Include `ImportInfo` with `filePath` set to the .xlsx file path in the request body.

To import large Power BI .pbix files that are between 1 GB and 10 GB in size, see [Create Temporary Upload Location In Group](#) and the [Import Large Files](#) PowerShell script. This is only supported for Premium capacity workspaces.

To create a dataflow from a model.json file, set `datasetDisplayName` to *model.json*, as described in [URI parameters](#).

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Dataset.ReadWrite.All

Limitations

- Dataflows with service principal aren't supported.
- Importing a Power BI .pbix file from OneDrive isn't supported.
- Importing a file that has a **protected** sensitivity label isn't supported for service principals.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/imports?  
datasetDisplayName={datasetDisplayName}
```

With optional parameters:

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/imports?  
datasetDisplayName={datasetDisplayName}&nameConflict=  
{nameConflict}&skipReport={skipReport}&overrideReportLabel=  
{overrideReportLabel}&overrideModelLabel=  
{overrideModelLabel}&subfolderObjectId={subfolderObjectId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
dataset Display Name	query	True	string	The display name of the dataset should include file extension. Not supported when importing from OneDrive for Business. For importing or creating dataflows, this parameter should be hardcoded to model.json.
name Conflict	query		Import Conflict Handler Mode	Specifies what to do if a dataset with the same name already exists. The default value is <code>Ignore</code> . For RDL files, <code>Abort</code> and <code>Overwrite</code> are the only supported options. For dataflow model.json files, <code>Abort</code> and <code>GenerateUniqueName</code> are the only supported options.

overrideModelLabel	query boolean	Determines whether to override the existing label on a model when republishing a Power BI .pbix file. The service default value is <code>true</code> .
overrideReportLabel	query boolean	Whether to override the existing label on a report when republishing a Power BI .pbix file. The service default value is <code>true</code> .
skipReport	query boolean	Whether to skip report import. If specified, the value must be <code>true</code> . Only supported for Power BI .pbix files.
subfolderObjectId	query string uuid	The subfolder ID to import the file to subfolder.

Request Body

Media Types: "application/json", "multipart/form-data"

[\[+\] Expand table](#)

Name	Type	Description
connectionType	connection Type	The import connection type for a OneDrive for Business file
filePath	string	The path of the OneDrive for Business Excel (.xlsx) file to import, which can be absolute or relative. Power BI .pbix files aren't supported.
fileUrl	string	The shared access signature URL of the temporary blob storage used to import large Power BI .pbix files between 1 GB and 10 GB in size.

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Import	OK
202 Accepted	Import	Accepted

Examples

 Expand table

[Import dataflow model.json example](#)

[Post import example](#)

[Post import skip report example](#)

Import dataflow model.json example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/cfafbeb1-8037-4d0c-896e-a46fb27ff229/imports?  
datasetDisplayName=model.json&nameConflict=Abort&skipReport=True
```

Request Body

JSON

```
{  
  "value": "--f05e5244-f876-43b9-bc87-d71598f6b32a Content-Disposition:  
  form-data name=model.json; filename=model.json Content-Type:  
  application/json [Contents of Model JSON Encoded] --f05e5244-f876-43b9-bc87-  
  d71598f6b32a--"  
}
```

Sample response

Status code: 202

JSON

```
{  
  "id": "d02b8896-e247-4d83-ae5a-014028cb0665"  
}
```

Post import example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/cfafbeb1-8037-4d0c-896e-a46fb27ff229/imports?datasetDisplayName=MyReport&nameConflict=Ignore
```

Request Body

JSON

```
{  
    "value": "--f05e5244-f876-43b9-bc87-d71598f6b32a Content-Disposition:  
    form-data AA...ZZ --f05e5244-f876-43b9-bc87-d71598f6b32a--"  
}
```

Sample response

Status code: 202

JSON

```
{  
    "id": "d02b8896-e247-4d83-ae5a-014028cb0665"  
}
```

Post import skip report example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/cfafbeb1-8037-4d0c-896e-a46fb27ff229/imports?  
datasetDisplayName=MyReport&nameConflict=Ignore&skipReport=True&overrideRepo  
rtLabel=True&overrideModelLabel=True
```

Request Body

JSON

```
{  
    "value": "--f05e5244-f876-43b9-bc87-d71598f6b32a Content-Disposition:  
    form-data AA...ZZ --f05e5244-f876-43b9-bc87-d71598f6b32a--"  
}
```

Sample response

Status code: 202

JSON

```
{  
  "id": "d02b8896-e247-4d83-ae5a-014028cb0665"  
}
```

Definitions

[\[\] Expand table](#)

Name	Description
connectionType	The import connection type for a OneDrive for Business file
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetQuery ScaleOut Settings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
Import	The import object
ImportConflict HandlerMode	Specifies what to do if a dataset with the same name already exists. The default value is <code>Ignore</code> . For RDL files, <code>Abort</code> and <code>Overwrite</code> are the only supported options. For dataflow model.json files, <code>Abort</code> and <code>GenerateUniqueName</code> are the only supported options.
ImportInfo	The information about the import
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the

	availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUser AccessRight	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

connectionType

The import connection type for a OneDrive for Business file

[+] [Expand table](#)

Name	Type	Description
connect	string	
import	string	

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a

		GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] Expand table

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[\] Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

DependentDataflow

A Power BI dependent dataflow

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Import

The import object

[\[+\] Expand table](#)

Name	Type	Description
createdDateTime	string	Import creation date and time
datasets	Dataset[]	The datasets associated with this import
id	string	The import ID
importState	enum: Failed Publishing Succeeded	The import upload state
name	string	The import name
reports	Report[]	The reports associated with this import

updatedDateTime	string	Import last update date and time
-----------------	--------	----------------------------------

ImportConflictHandlerMode

Specifies what to do if a dataset with the same name already exists. The default value is `Ignore`. For RDL files, `Abort` and `Overwrite` are the only supported options. For dataflow model.json files, `Abort` and `GenerateUniqueName` are the only supported options.

[+] Expand table

Name	Type	Description
Abort	string	If dataset or dataflow with the same name already exists, the import operation will be cancelled.
CreateOrOverwrite	string	If a dataset with the same name already exists, the import operation will replace the existing dataset with the new one. The import operation will fail if there's more than one existing dataset with the same name.
GenerateUniqueName	string	If a dataflow with the same name already exists, the import operation will generate a new unique name for the new dataflow.
Ignore	string	If a dataset with the same name already exists, the import operation will create a new dataset with the same name.
Overwrite	string	If a dataset with the same name already exists, the import operation will replace the existing dataset with the new one. The import operation will fail if there's no conflict or if there's more than one existing dataset with the same name.

ImportInfo

The information about the import

[+] Expand table

Name	Type	Description
connectionType	connection Type	The import connection type for a OneDrive for Business file
filePath	string	The path of the OneDrive for Business Excel (.xlsx) file to import, which can be absolute or relative. Power BI .pbix files aren't

supported.

fileUrl	string	The shared access signature URL of the temporary blob storage used to import large Power BI .pbix files between 1 GB and 10 GB in size.
---------	--------	-----------------------------------------------------------------------------------------------------------------------------------------

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an

app.

reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)

userType	string	Type of the user.
----------	--------	-------------------

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)

artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user

graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Pipelines

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 Expand table

Assign Workspace	Assigns the specified workspace to the specified deployment pipeline stage.
Create Pipeline	Creates a new deployment pipeline.
Delete Pipeline	Deletes the specified deployment pipeline.
Delete Pipeline User	Removes user permissions from the specified deployment pipeline.
Deploy All	Deploys all supported items from the source stage of the specified deployment pipeline.
Get Pipeline	Returns the specified deployment pipeline.
Get Pipeline Operation	Returns the details of the specified deploy operation performed on the specified deployment pipeline, including the deployment execution plan.
Get Pipeline Operations	Returns a list of the up-to-20 most recent deploy operations performed on the specified deployment pipeline.
Get Pipelines	Returns a list of deployment pipelines that the user has access to.
Get Pipeline Stage Artifacts	Returns the supported items from the workspace assigned to the specified stage of the specified deployment pipeline.
Get Pipeline Stages	Returns the stages of the specified deployment pipeline.
Get Pipeline Users	Returns a list of users that have access to the specified deployment pipeline.
Selective Deploy	Deploys the specified items from the source stage of the specified deployment pipeline.
Unassign Workspace	Unassigns the workspace from the specified stage in the specified deployment pipeline.
Update Pipeline	Updates the specified deployment pipeline.

[Update Pipeline](#)

User

Grants user permissions to the specified deployment pipeline.

Pipelines - Assign Workspace

Reference

Service: Power BI REST APIs

API Version: v1.0

Assigns the specified workspace to the specified deployment pipeline stage.

Required Scope

Pipeline.ReadWrite.All and Workspace.ReadWrite.All

Limitations

The specified deployment pipeline stage isn't already assigned.

You must be an admin of the specified workspace.

The specified workspace isn't assigned to any other deployment pipeline.

This operation will fail if there's an active deployment operation.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/stages/{stageOrder}/assignWorkspace`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
pipelineId	path	True	string uuid	The deployment pipeline ID
stageOrder	path	True	integer int32	The deployment pipeline stage order. Development (0), Test (1), Production (2).

Request Body

[Expand table](#)

Name	Required	Type	Description
workspaceId	True	string	The workspace ID.

Responses

[Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Assign a workspace to a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/stages/0/assignWorkspace
```

Request Body

JSON

```
{  
    "workspaceId": "4de5bcc4-2c88-4efe-b827-4ee7b289b496"  
}
```

Sample response

Status code: 200

Definitions

AssignWorkspaceRequest

A request to assign a workspace to a deployment pipeline stage

[\[\] Expand table](#)

Name	Type	Description
workspaceId	string	The workspace ID.

Pipelines - Create Pipeline

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new deployment pipeline.

Required Scope

Pipeline.ReadWrite.All

HTTP

`POST https://api.powerbi.com/v1.0/myorg/pipelines`

Request Body

[Expand table](#)

Name	Required	Type	Description
displayName	True	string	The display name for the new deployment pipeline
description		string	The description for the new deployment pipeline

Responses

[Expand table](#)

Name	Type	Description
201 Created	Pipeline	Created

Examples

Create a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines
```

Request Body

JSON

```
{  
  "displayName": "My Deployment Pipeline Name",  
  "description": "My deployment pipeline description"  
}
```

Sample response

Status code: 201

JSON

```
{  
  "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",  
  "displayName": "My Deployment Pipeline Name",  
  "description": "My deployment pipeline description"  
}
```

Definitions

[+] Expand table

Name	Description
CreatePipelineRequest	A request to create a new deployment pipeline
Pipeline	A Power BI pipeline
PipelineStage	A Power BI deployment pipeline stage

CreatePipelineRequest

A request to create a new deployment pipeline

[+] Expand table

Name	Type	Description
description	string	The description for the new deployment pipeline
displayName	string	The display name for the new deployment pipeline

Pipeline

A Power BI pipeline

[\[+\] Expand table](#)

Name	Type	Description
description	string	The deployment pipeline description
displayName	string	The deployment pipeline display name
id	string	The deployment pipeline ID
stages	Pipeline Stage[]	The collection of deployment pipeline stages. Only returned when <code>\$expand</code> is set to <code>stages</code> in the request.

PipelineStage

A Power BI deployment pipeline stage

[\[+\] Expand table](#)

Name	Type	Description
order	integer	The stage order, starting from zero.
workspaceId	string	The assigned workspace ID. Only applicable when there's an assigned workspace.
workspaceName	string	The assigned workspace name. Only applicable when there's an assigned workspace and the user has access to the workspace.

Pipelines - Delete Pipeline

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All

Limitations

This operation will fail if there's an active deployment operation.

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

Delete a deployment pipeline example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824
```

Sample response

Status code: 200

Pipelines - Delete Pipeline User

Reference

Service: Power BI REST APIs

API Version: v1.0

Removes user permissions from the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All

HTTP

`DELETE`

`https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/users/{identifier}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>identifier</code>	path	True	string	To delete user pipeline permissions, provide the user principal name (UPN) of the user. To delete a service principal or a security group's pipeline permissions, provide the Object ID of the service principal or security group.
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

[Expand table](#)

[Remove group access to a deployment pipeline example](#)

[Remove service principal access to a deployment pipeline example](#)

[Remove user access to a deployment pipeline example](#)

Remove group access to a deployment pipeline example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users/5dba60b0-d9a7-42a3-b12c-6d9d51e7739a
```

Sample response

Status code: 200

Remove service principal access to a deployment pipeline example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users/a35d842b-90d5-59a1-c56a-5f8fcff0bf9d
```

Sample response

Status code: 200

Remove user access to a deployment pipeline example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/pipelines/8ce96c50-85a0-4db3-85c6-  
7ccc3ed46523/users/john@contoso.com
```

Sample response

Status code: 200

Pipelines - Deploy All

Reference

Service: Power BI REST APIs

API Version: v1.0

Deploys all supported items from the source stage of the specified deployment pipeline.

To learn about items that aren't supported in deployment pipelines, see [Unsupported items](#).

Permissions

The user must at least be a contributor on both source and target deployment workspaces. For more information, see [Permissions](#).

Required Scope

Pipeline.Deploy

Limitations

Maximum 300 deployed items per request.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/deployAll
```

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
pipelineId	path	True	string uuid	The deployment pipeline ID

Request Body

[Expand table](#)

Name	Required	Type	Description
sourceStageOrder	True	integer	The numeric identifier of the pipeline deployment stage that the content should be deployed from. Development (0), Test (1), Production (2).
isBackwardDeployment		boolean	Whether the deployment will be from a later stage in the deployment pipeline, to an earlier one. The default value is <code>false</code> .
newWorkspace		PipelineNew Workspace Request	The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces. The deployment will fail if the new workspace configuration details aren't provided when required.
note		string	A note describing the deployment.
options		Deployment Options	Options that control the behavior of the entire deployment
updateAppSettings		Pipeline UpdateApp Settings	Update org app in the target workspace settings

Responses

[Expand table](#)

Name	Type	Description
202 Accepted	Pipeline Operation	Accepted

Examples

Example of deploying all Power BI items (such as reports or dashboards) from the 'Development' stage

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/deployAll
```

Request Body

JSON

```
{  
    "sourceStageOrder": 0,  
    "options": {  
        "allowOverwriteArtifact": true,  
        "allowCreateArtifact": true  
    },  
    "note": "Deploying business ready items"  
}
```

Sample response

Status code: 200

JSON

```
{  
    "value": [  
        {  
            "id": "1065e6a3-a020-4c0c-ada7-92b5fe99eec5",  
            "type": "Deploy",  
            "status": "NotStarted",  
            "lastUpdatedTime": "2020-12-13T09:26:43.153",  
            "executionStartTime": "2020-12-13T09:25:43.153Z",  
            "executionEndTime": "2020-12-13T09:26:43.153Z",  
            "sourceStageOrder": 0,  
            "targetStageOrder": 1  
        }  
    ]  
}
```

Definitions

[+] Expand table

Name	Description
DeployAllRequest	A request to deploy all supported items from a deployment pipeline stage

DeploymentError	Error details for the deployment step
DeploymentExecution Plan	A deployment execution plan
DeploymentExecution Step	A deployment execution step
DeploymentExecution StepPreDeployment DiffState	Is an item new, different or identical to items in the target stage before deployment.
DeploymentOptions	Deployment configuration options. Can be specified either for the entire deployment or for a specific Power BI item (such as a report or dashboard). If both are specified, only the deployment options for the Power BI item are used.
DeploymentSource AndTarget	Source and target items
DeploymentStepType	The type of deployment step
PipelineNew WorkspaceRequest	The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces.
PipelineOperation	A Power BI deployment pipeline operation
PipelineOperation Note	A note describing the deployment.
PipelineOperation Status	The pipeline operation status
PipelineOperationType	The operation type
PipelineOperationUser	User or service principal that performed the pipeline operation.
PipelineUpdateApp Settings	Configuration update org app after deployment
PreDeploymentDiff Information	The amount of new, different and identical deployed items before deployment.
PrincipalType	The principal type

DeployAllRequest

A request to deploy all supported items from a deployment pipeline stage

[] [Expand table](#)

Name	Type	Description
isBackwardDeployment	boolean	Whether the deployment will be from a later stage in the deployment pipeline, to an earlier one. The default value is <code>false</code> .
newWorkspace	PipelineNew Workspace Request	The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces. The deployment will fail if the new workspace configuration details aren't provided when required.
note	string	A note describing the deployment.
options	Deployment Options	Options that control the behavior of the entire deployment
sourceStageOrder	integer	The numeric identifier of the pipeline deployment stage that the content should be deployed from. Development (0), Test (1), Production (2).
updateAppSettings	Pipeline UpdateApp Settings	Update org app in the target workspace settings

DeploymentError

Error details for the deployment step

[Expand table](#)

Name	Type	Description
errorCode	string	The error code
errorDetails	string	Additional error details

DeploymentExecutionPlan

A deployment execution plan

[Expand table](#)

Name	Type	Description
steps	Deployment Execution	The collection of execution plan steps

DeploymentExecutionStep

A deployment execution step

[] Expand table

Name	Type	Description
error	Deployment Error	The error details. Only applicable if the pipeline operation failed.
index	integer	The step index
preDeploymentDiffState	Deployment Execution StepPre Deployment DiffState	Is an item new, different or identical to items in the target stage before deployment.
sourceAndTarget	Deployment SourceAnd Target	The source and target items of the step
status	Pipeline Operation Status	The status of the pipeline operation
type	Deployment StepType	The type of deployment step

DeploymentExecutionStepPreDeploymentDiffState

Is an item new, different or identical to items in the target stage before deployment.

[] Expand table

Name	Type	Description
Different	string	Before deployment, the item in the source stage wasn't identical to the one in the target stage.
New	string	A new deployed item that doesn't exist in the target stage.
NoDifference	string	Before deployment, the item in the source stage was identical to the one in the target stage.

DeploymentOptions

Deployment configuration options. Can be specified either for the entire deployment or for a specific Power BI item (such as a report or dashboard). If both are specified, only the deployment options for the Power BI item are used.

[Expand table](#)

Name	Type	Description
allowCreateArtifact	boolean	Whether creating a new Power BI item (such as a report or a dashboard) in the target stage workspace is allowed. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowOverwriteArtifact	boolean	Whether overwriting a Power BI item (such as a report or a dashboard) in the target stage workspace is allowed. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowOverwriteTargetArtifactLabel	boolean	Whether the label of a target Power BI item (such as a report or a dashboard) can be changed. The label gets changed when the source is protected but the target isn't. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowPurgeData	boolean	Whether to delete all data from the target Power BI item (such as a report or a dashboard) when there's a schema mismatch. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowSkipTilesWithMissingPrerequisites	boolean	Whether to skip tiles that don't have a model or a report in the target stage workspace. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowTakeOver	boolean	Whether to allow overriding the previous paginated report owner and becoming the owner of the paginated report. Applicable when deploying a paginated

report to a stage that already contains a copy of the paginated report that isn't owned by you. If this option isn't set to `true` when it's required for deployment, the deployment will fail.

DeploymentSourceAndTarget

Source and target items

[+] [Expand table](#)

Name	Type	Description
source	string	The ID of the Power BI item that's deployed from the source stage
sourceDisplayName	string	The display name of the Power BI item that's deployed from the source stage
target	string	The ID of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
targetDisplayName	string	The name of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
type	string	The type of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.

DeploymentStepType

The type of deployment step

[+] [Expand table](#)

Name	Type	Description
DashboardDeployment	string	A step for deploying a single dashboard
DataflowDeployment	string	A step for deploying a single dataflow
DatamartDeployment	string	A step for deploying a single datamart
DatasetDeployment	string	A step for deploying a single dataset
ReportDeployment	string	A step for deploying a single report

PipelineNewWorkspaceRequest

The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces.

[+] Expand table

Name	Type	Description
capacityId	string	The ID of the capacity that the new workspace will be assigned to. If unspecified and the API caller has permissions for the source stage workspace capacity, then that capacity will be used. Otherwise, Power BI will select a capacity that the API caller has permissions for.
name	string	The name of the new workspace

PipelineOperation

A Power BI deployment pipeline operation

[+] Expand table

Name	Type	Description
executionEndTime	string	The date and time that the operation ended
executionPlan	Deployment Execution Plan	The deployment execution plan. Only applicable to a single pipeline operation.
executionStartTime	string	The date and time that the operation started
id	string	The operation ID
lastUpdatedTime	string	The date and time that the operation was last updated
note	Pipeline Operation Note	A note representing a description of the operation.
performedBy	Pipeline Operation User	User or service principal that performed the pipeline operation.
preDeploymentDiffInformation	Pre Deployment	The amount of deployed items in the source stage, that are new, identical or different to items

	Diff Information	in the target stage, before deployment.
sourceStageOrder	integer	The numeric identifier of a source pipeline deployment stage. Development (0), Test (1), Production (2).
status	Pipeline Operation Status	The pipeline operation status
targetStageOrder	integer	The numeric identifier of a target pipeline deployment stage. Development (0), Test (1), Production (2).
type	Pipeline Operation Type	The operation type

PipelineOperationNote

A note describing the deployment.

[\[\] Expand table](#)

Name	Type	Description
content	string	Text describing the deployment.
isTruncated	boolean	Indicates if the note is incomplete. True, only part of the note is returned. False, the note is complete.

PipelineOperationStatus

The pipeline operation status

[\[\] Expand table](#)

Name	Type	Description
Executing	string	Operation executing
Failed	string	Operation failed
NotStarted	string	Operation not started
Succeeded	string	Operation succeeded

PipelineOperationType

The operation type

[+] [Expand table](#)

Name	Type	Description
Deploy	string	Deploy content between stages

PipelineOperationUser

User or service principal that performed the pipeline operation.

[+] [Expand table](#)

Name	Type	Description
principalObjectID	string	The ID of the service principal that performed the deployment.
principalType	Principal Type	The type of user who performed the deployment.
userPrincipalName	string	The UPN of the user who performed the deployment.

PipelineUpdateAppSettings

Configuration update org app after deployment

[+] [Expand table](#)

Name	Type	Description
updateAppInTargetWorkspace	boolean	Whether to update the app in the target workspace. Only deployed items that already exist in the app are updated. New deployed items are not added to the app.

PreDeploymentDiffInformation

The amount of new, different and identical deployed items before deployment.

[\[+\] Expand table](#)

Name	Type	Description
differentArtifactsCount	integer	The number of deployed items with differences between source and target stages, before deployment.
newArtifactsCount	integer	The number of new items deployed to the target stage.
noDifferenceArtifactsCount	integer	The number of identical deployed items in the source and target stages, before deployment.

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Pipelines - Get Pipeline

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All or Pipeline.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}?$expand= {$expand}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
pipelineId	path	True	string uuid	The deployment pipeline ID
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>stages</code> .

Responses

[+] Expand table

Name	Type	Description
200 OK	Pipeline	OK

Examples

[Expand table](#)

[Get a deployment pipeline with its 'stages' expanded example](#)

[Get a deployment pipeline without its 'stages' expanded example](#)

Get a deployment pipeline with its 'stages' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824?$expand=stages
```

Sample response

Status code: 200

JSON

```
{
  "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",
  "displayName": "My Deployment Pipeline",
  "description": "My deployment pipeline",
  "stages": [
    {
      "order": 0,
      "workspaceId": "4de5bcc4-2c88-4efe-b827-4ee7b289b496",
      "workspaceName": "Workspace-Development"
    },
    {
      "order": 1,
      "workspaceId": "44b499cf-1eeb-45e2-9ada-63b6ec9d516e"
    },
    {
      "order": 2
    }
  ]
}
```

```
]  
}
```

Get a deployment pipeline without its 'stages' expanded example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824
```

Sample response

Status code: 200

JSON

```
{  
  "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",  
  "displayName": "Marketing Deployment Pipeline",  
  "description": "Power BI deployment pipeline to manage marketing reports"  
}
```

Definitions

[+] Expand table

Name	Description
Pipeline	A Power BI pipeline
PipelineStage	A Power BI deployment pipeline stage

Pipeline

A Power BI pipeline

[+] Expand table

Name	Type	Description

description	string	The deployment pipeline description
displayName	string	The deployment pipeline display name
id	string	The deployment pipeline ID
stages	Pipeline Stage[]	The collection of deployment pipeline stages. Only returned when <code>\$expand</code> is set to <code>stages</code> in the request.

PipelineStage

A Power BI deployment pipeline stage

[\[+\] Expand table](#)

Name	Type	Description
order	integer	The stage order, starting from zero.
workspaceId	string	The assigned workspace ID. Only applicable when there's an assigned workspace.
workspaceName	string	The assigned workspace name. Only applicable when there's an assigned workspace and the user has access to the workspace.

Pipelines - Get Pipeline Operation

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the details of the specified deploy operation performed on the specified deployment pipeline, including the deployment execution plan.

Use to track the status of a deploy operation.

Required Scope

Pipeline.ReadWrite.All or Pipeline.Read.All

HTTP				
GET https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/operations/{operationId}				

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
operationId	path	True	string uuid	The operation ID
pipelineId	path	True	string uuid	The deployment pipeline ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Pipeline Operation	OK

Examples

Get a pipeline operation example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/operations/1065e6a3-a020-4c0c-ada7-92b5fe99eec5
```

Sample response

Status code: 200

JSON

```
{
  "id": "1065e6a3-a020-4c0c-ada7-92b5fe99eec5",
  "type": "Deploy",
  "status": "Succeeded",
  "lastUpdatedTime": "2020-12-13T09:26:43.153",
  "executionStartTime": "2020-12-13T09:25:43.153Z",
  "executionEndTime": "2020-12-13T09:26:43.153Z",
  "sourceStageOrder": 0,
  "targetStageOrder": 1,
  "executionPlan": {
    "Steps": [
      {
        "index": 0,
        "type": "DataflowDeployment",
        "status": "Succeeded",
        "preDeploymentDiffState": "New",
        "sourceAndTarget": {
          "source": "29efcfb0-0063-44af-a4ed-6c0bee3417d3",
          "sourceDisplayName": "Source dataflow",
          "type": "dataflow"
        }
      },
      {
        "index": 1,
        "type": "DatamartDeployment",
        "status": "Succeeded",
        "preDeploymentDiffState": "New",
        "sourceAndTarget": {
          "source": "645cd81f-1b21-4006-82b6-54cc7ec0352e",
          "sourceDisplayName": "Source datamart",
          "type": "datamart"
        }
      }
    ],
    "status": "Succeeded"
  }
}
```

```
{
  "index": 2,
  "type": "DatasetDeployment",
  "status": "Succeeded",
  "preDeploymentDiffState": "NoDifference",
  "sourceAndTarget": {
    "source": "1a201f2a-d1d8-45c0-8c61-1676338517de",
    "sourceDisplayName": "Source dataset",
    "target": "dd3b6aa1-4d40-405c-a19b-48314a27e8ee",
    "targetDisplayName": "Target dataset",
    "type": "dataset"
  }
},
{
  "index": 3,
  "type": "ReportDeployment",
  "status": "Succeeded",
  "preDeploymentDiffState": "Different",
  "sourceAndTarget": {
    "source": "2d225191-65f8-4ec3-b77d-06100602b1f7",
    "sourceDisplayName": "Source report",
    "target": "9d5c1f0f-f85c-48f4-8a8e-4c77547116b3",
    "targetDisplayName": "Target report",
    "type": "report"
  }
},
{
  "index": 4,
  "type": "DashboardDeployment",
  "status": "Succeeded",
  "preDeploymentDiffState": "New",
  "sourceAndTarget": {
    "source": "9046e4cc-8aea-4a7a-a3b5-1a78b1447d82",
    "sourceDisplayName": "Source dashboard",
    "type": "dashboard"
  }
}
],
},
"note": {
  "content": "Sample note",
  "isTruncated": false
},
"preDeploymentDiffInformation": {
  "newArtifactsCount": 3,
  "differentArtifactsCount": 1,
  "noDifferenceArtifactsCount": 1
},
"performedBy": {
  "userPrincipalName": "john@contoso.com",
  "principalType": "User"
}
}
```

Definitions

[Expand table](#)

Name	Description
DeploymentError	Error details for the deployment step
DeploymentExecutionPlan	A deployment execution plan
DeploymentExecutionStep	A deployment execution step
DeploymentExecutionStepPre DeploymentDiffState	Is an item new, different or identical to items in the target stage before deployment.
DeploymentSourceAndTarget	Source and target items
DeploymentStepType	The type of deployment step
PipelineOperation	A Power BI deployment pipeline operation
PipelineOperationNote	A note describing the deployment.
PipelineOperationStatus	The pipeline operation status
PipelineOperationType	The operation type
PipelineOperationUser	User or service principal that performed the pipeline operation.
PreDeploymentDiffInformation	The amount of new, different and identical deployed items before deployment.
PrincipalType	The principal type

DeploymentError

Error details for the deployment step

[Expand table](#)

Name	Type	Description
errorCode	string	The error code
errorDetails	string	Additional error details

DeploymentExecutionPlan

A deployment execution plan

[+] [Expand table](#)

Name	Type	Description
steps	Deployment Execution Step[]	The collection of execution plan steps

DeploymentExecutionStep

A deployment execution step

[+] [Expand table](#)

Name	Type	Description
error	Deployment Error	The error details. Only applicable if the pipeline operation failed.
index	integer	The step index
preDeploymentDiffState	Deployment Execution StepPre Deployment DiffState	Is an item new, different or identical to items in the target stage before deployment.
sourceAndTarget	Deployment SourceAnd Target	The source and target items of the step
status	Pipeline Operation Status	The status of the pipeline operation
type	Deployment StepType	The type of deployment step

DeploymentExecutionStepPreDeploymentDiffState

Is an item new, different or identical to items in the target stage before deployment.

[+] [Expand table](#)

Name	Type	Description
Different	string	Before deployment, the item in the source stage wasn't identical to the one in the target stage.
New	string	A new deployed item that doesn't exist in the target stage.
NoDifference	string	Before deployment, the item in the source stage was identical to the one in the target stage.

DeploymentSourceAndTarget

Source and target items

[Expand table](#)

Name	Type	Description
source	string	The ID of the Power BI item that's deployed from the source stage
sourceDisplayName	string	The display name of the Power BI item that's deployed from the source stage
target	string	The ID of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
targetDisplayName	string	The name of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
type	string	The type of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.

DeploymentStepType

The type of deployment step

[Expand table](#)

Name	Type	Description
DashboardDeployment	string	A step for deploying a single dashboard
DataflowDeployment	string	A step for deploying a single dataflow
DatamartDeployment	string	A step for deploying a single datamart

DatasetDeployment	string	A step for deploying a single dataset
ReportDeployment	string	A step for deploying a single report

PipelineOperation

A Power BI deployment pipeline operation

[Expand table](#)

Name	Type	Description
executionEndTime	string	The date and time that the operation ended
executionPlan	Deployment Execution Plan	The deployment execution plan. Only applicable to a single pipeline operation.
executionStartTime	string	The date and time that the operation started
id	string	The operation ID
lastUpdatedTime	string	The date and time that the operation was last updated
note	Pipeline Operation Note	A note representing a description of the operation.
performedBy	Pipeline Operation User	User or service principal that performed the pipeline operation.
preDeploymentDiffInformation	Pre Deployment Diff Information	The amount of deployed items in the source stage, that are new, identical or different to items in the target stage, before deployment.
sourceStageOrder	integer	The numeric identifier of a source pipeline deployment stage. Development (0), Test (1), Production (2).
status	Pipeline Operation Status	The pipeline operation status
targetStageOrder	integer	The numeric identifier of a target pipeline deployment stage. Development (0), Test (1), Production (2).

type	Pipeline Operation Type	The operation type
------	-------------------------	--------------------

PipelineOperationNote

A note describing the deployment.

[\[\] Expand table](#)

Name	Type	Description
content	string	Text describing the deployment.
isTruncated	boolean	Indicates if the note is incomplete. True, only part of the note is returned. False, the note is complete.

PipelineOperationStatus

The pipeline operation status

[\[\] Expand table](#)

Name	Type	Description
Executing	string	Operation executing
Failed	string	Operation failed
NotStarted	string	Operation not started
Succeeded	string	Operation succeeded

PipelineOperationType

The operation type

[\[\] Expand table](#)

Name	Type	Description
Deploy	string	Deploy content between stages

PipelineOperationUser

User or service principal that performed the pipeline operation.

[+] [Expand table](#)

Name	Type	Description
principalObjectID	string	The ID of the service principal that performed the deployment.
principalType	Principal Type	The type of user who performed the deployment.
userPrincipalName	string	The UPN of the user who performed the deployment.

PreDeploymentDiffInformation

The amount of new, different and identical deployed items before deployment.

[+] [Expand table](#)

Name	Type	Description
differentArtifactsCount	integer	The number of deployed items with differences between source and target stages, before deployment.
newArtifactsCount	integer	The number of new items deployed to the target stage.
noDifferenceArtifactsCount	integer	The number of identical deployed items in the source and target stages, before deployment.

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Pipelines - Get Pipeline Operations

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of the up-to-20 most recent deploy operations performed on the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All or Pipeline.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/operations
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
pipelineId	path	True	string uuid	The deployment pipeline ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Pipeline Operations	OK

Examples

Get pipeline operations example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/operations
```

Sample response

Status code: 200

JSON

```
{  
    "value": [  
        {  
            "id": "1065e6a3-a020-4c0c-ada7-92b5fe99eec5",  
            "type": "Deploy",  
            "status": "Succeeded",  
            "lastUpdatedTime": "2020-12-13T09:26:43.153",  
            "executionStartTime": "2020-12-13T09:25:43.153Z",  
            "executionEndTime": "2020-12-13T09:26:43.153Z",  
            "sourceStageOrder": 0,  
            "targetStageOrder": 1,  
            "note": {  
                "content": "Sample note",  
                "isTruncated": false  
            },  
            "preDeploymentDiffInformation": {  
                "newArtifactsCount": 0,  
                "differentArtifactsCount": 0,  
                "noDifferenceArtifactsCount": 1  
            },  
            "performedBy": {  
                "userPrincipalName": "john@contoso.com",  
                "principalType": "User"  
            }  
        }  
    ]  
}
```

Definitions

[+] Expand table

Name	Description
DeploymentError	Error details for the deployment step

DeploymentExecutionPlan	A deployment execution plan
DeploymentExecutionStep	A deployment execution step
DeploymentExecutionStepPre DeploymentDiffState	Is an item new, different or identical to items in the target stage before deployment.
DeploymentSourceAndTarget	Source and target items
DeploymentStepType	The type of deployment step
PipelineOperation	A Power BI deployment pipeline operation
PipelineOperationNote	A note describing the deployment.
PipelineOperations	OData response wrapper for a collection of Power BI deployment pipeline operations
PipelineOperationStatus	The pipeline operation status
PipelineOperationType	The operation type
PipelineOperationUser	User or service principal that performed the pipeline operation.
PreDeploymentDiffInformation	The amount of new, different and identical deployed items before deployment.
PrincipalType	The principal type

DeploymentError

Error details for the deployment step

[\[+\] Expand table](#)

Name	Type	Description
errorCode	string	The error code
errorDetails	string	Additional error details

DeploymentExecutionPlan

A deployment execution plan

[\[+\] Expand table](#)

Name	Type	Description
steps	Deployment Execution Step[]	The collection of execution plan steps

DeploymentExecutionStep

A deployment execution step

[+] Expand table

Name	Type	Description
error	Deployment Error	The error details. Only applicable if the pipeline operation failed.
index	integer	The step index
preDeploymentDiffState	Deployment Execution StepPre Deployment DiffState	Is an item new, different or identical to items in the target stage before deployment.
sourceAndTarget	Deployment SourceAnd Target	The source and target items of the step
status	Pipeline Operation Status	The status of the pipeline operation
type	Deployment StepType	The type of deployment step

DeploymentExecutionStepPreDeploymentDiffState

Is an item new, different or identical to items in the target stage before deployment.

[+] Expand table

Name	Type	Description
Different	string	Before deployment, the item in the source stage wasn't identical to the one in the target stage.

New	string	A new deployed item that doesn't exist in the target stage.
NoDifference	string	Before deployment, the item in the source stage was identical to the one in the target stage.

DeploymentSourceAndTarget

Source and target items

[Expand table](#)

Name	Type	Description
source	string	The ID of the Power BI item that's deployed from the source stage
sourceDisplayName	string	The display name of the Power BI item that's deployed from the source stage
target	string	The ID of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
targetDisplayName	string	The name of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
type	string	The type of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.

DeploymentStepType

The type of deployment step

[Expand table](#)

Name	Type	Description
DashboardDeployment	string	A step for deploying a single dashboard
DataflowDeployment	string	A step for deploying a single dataflow
DatamartDeployment	string	A step for deploying a single datamart
DatasetDeployment	string	A step for deploying a single dataset
ReportDeployment	string	A step for deploying a single report

PipelineOperation

A Power BI deployment pipeline operation

[Expand table](#)

Name	Type	Description
executionEndTime	string	The date and time that the operation ended
executionPlan	Deployment Execution Plan	The deployment execution plan. Only applicable to a single pipeline operation.
executionStartTime	string	The date and time that the operation started
id	string	The operation ID
lastUpdatedTime	string	The date and time that the operation was last updated
note	Pipeline Operation Note	A note representing a description of the operation.
performedBy	Pipeline Operation User	User or service principal that performed the pipeline operation.
preDeploymentDiffInformation	Pre Deployment Diff Information	The amount of deployed items in the source stage, that are new, identical or different to items in the target stage, before deployment.
sourceStageOrder	integer	The numeric identifier of a source pipeline deployment stage. Development (0), Test (1), Production (2).
status	Pipeline Operation Status	The pipeline operation status
targetStageOrder	integer	The numeric identifier of a target pipeline deployment stage. Development (0), Test (1), Production (2).
type	Pipeline Operation Type	The operation type

PipelineOperationNote

A note describing the deployment.

[\[+\] Expand table](#)

Name	Type	Description
content	string	Text describing the deployment.
isTruncated	boolean	Indicates if the note is incomplete. True, only part of the note is returned. False, the note is complete.

PipelineOperations

OData response wrapper for a collection of Power BI deployment pipeline operations

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Pipeline Operation[]	The collection of deployment pipeline operations

PipelineOperationStatus

The pipeline operation status

[\[+\] Expand table](#)

Name	Type	Description
Executing	string	Operation executing
Failed	string	Operation failed
NotStarted	string	Operation not started
Succeeded	string	Operation succeeded

PipelineOperationType

The operation type

[\[\] Expand table](#)

Name	Type	Description
Deploy	string	Deploy content between stages

PipelineOperationUser

User or service principal that performed the pipeline operation.

[\[\] Expand table](#)

Name	Type	Description
principalObjectID	string	The ID of the service principal that performed the deployment.
principalType	Principal Type	The type of user who performed the deployment.
userPrincipalName	string	The UPN of the user who performed the deployment.

PreDeploymentDiffInformation

The amount of new, different and identical deployed items before deployment.

[\[\] Expand table](#)

Name	Type	Description
differentArtifactsCount	integer	The number of deployed items with differences between source and target stages, before deployment.
newArtifactsCount	integer	The number of new items deployed to the target stage.
noDifferenceArtifactsCount	integer	The number of identical deployed items in the source and target stages, before deployment.

PrincipalType

The principal type

[Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Pipelines - Get Pipeline Stage Artifacts

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the supported items from the workspace assigned to the specified stage of the specified deployment pipeline.

To learn about items that aren't supported in deployment pipelines, see [Unsupported items](#).

Permissions

The user must at least be a contributor on the workspace assigned to the specified stage. For more information, see [Permissions](#).

Required Scope

Pipeline.ReadWrite.All or Pipeline.Read.All

HTTP				
GET <code>https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/stages/{stageOrder}/artifacts</code>				

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
pipelineId	path	True	string uuid	The deployment pipeline ID
stageOrder	path	True	integer int32	The deployment pipeline stage order. Development (0), Test (1), Production (2).

Responses

Name	Type	Description
200 OK	Pipeline Stage Artifacts	OK

Examples

Example of getting 'Test' stage Power BI items (such as reports or dashboards)

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/stages/1/artifacts
```

Sample response

Status code: 200

JSON

```
{
  "dataflows": [
    {
      "artifactId": "527700ab-3cdb-4637-8402-912a129b2a92",
      "artifactDisplayName": "Sales Dataflow",
      "sourceArtifactId": "29efcfb0-0063-44af-a4ed-6c0bee3417d3",
      "lastDeploymentTime": "2021-06-06T11:55:59.057Z"
    }
  ],
  "datamarts": [
    {
      "artifactId": "a7654a17-c5d1-4539-b9ec-022075545e50",
      "artifactDisplayName": "Sales Datamart",
      "sourceArtifactId": "6bfe235c-6d7b-41b7-98a6-2b8276b3e82b",
      "lastDeploymentTime": "2021-06-06T11:55:59.057Z"
    }
  ],
  "datasets": [
    {
      "artifactId": "dd3b6aa1-4d40-405c-a19b-48314a27e8ee",
      "artifactName": "Sales Dataset",
      "sourceArtifactId": "29efcfb0-0063-44af-a4ed-6c0bee3417d3",
      "lastDeploymentTime": "2021-06-06T11:55:59.057Z"
    }
  ]
}
```

```

        "sourceArtifactId": "1a201f2a-d1d8-45c0-8c61-1676338517de",
        "targetArtifactId": "a5cf347e-7b49-4198-8a2b-0aa92c37d8f8",
        "lastDeploymentTime": "2020-12-13T09:26:41.153Z"
    }
],
"reports": [
{
    "artifactId": "9d5c1f0f-f85c-48f4-8a8e-4c77547116b3",
    "artifactName": "Sales Report",
    "sourceArtifactId": "2d225191-65f8-4ec3-b77d-06100602b1f7",
    "lastDeploymentTime": "2020-12-13T09:26:41.153Z"
}
],
"dashboards": [
{
    "artifactId": "9046e4cc-8aea-4a7a-a3b5-1a78b1447d82",
    "artifactName": "Sales Dashboard"
}
]
}
}

```

Definitions

[] [Expand table](#)

Name	Description
PipelineStageArtifacts	Supported items from a workspace that's assigned to a deployment pipeline stage
PipelineStage Dashboard	The metadata for a deployment pipeline dashboard
PipelineStageDataflow	The metadata for a deployment pipeline dataflow
PipelineStage Datamart	The metadata for a deployment pipeline datamart
PipelineStageDataset	The metadata for a deployment pipeline dataset
PipelineStageReport	The metadata for a deployment pipeline report

PipelineStageArtifacts

Supported items from a workspace that's assigned to a deployment pipeline stage

[] [Expand table](#)

Name	Type	Description
dashboards	Pipeline Stage Dashboard[]	The dashboards collection
dataflows	Pipeline Stage Dataflow[]	The dataflows collection
datamarts	Pipeline Stage Datamart[]	The datamarts collection
datasets	Pipeline Stage Dataset[]	The datasets collection
reports	Pipeline Stage Report[]	The reports collection

PipelineStageDashboard

The metadata for a deployment pipeline dashboard

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The Power BI item display name
artifactId	string	The Power BI item ID
lastDeploymentTime	string	The last deployment date and time of the Power BI item
sourceArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace assigned to the source stage, which will update the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the source stage workspace.
targetArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace of the target stage, which will be updated by the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the target stage workspace.

PipelineStageDataflow

The metadata for a deployment pipeline dataflow

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The Power BI item display name
artifactId	string	The Power BI item ID
lastDeploymentTime	string	The last deployment date and time of the Power BI item
sourceArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace assigned to the source stage, which will update the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the source stage workspace.
targetArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace of the target stage, which will be updated by the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the target stage workspace.

PipelineStageDatamart

The metadata for a deployment pipeline datamart

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The Power BI item display name
artifactId	string	The Power BI item ID
lastDeploymentTime	string	The last deployment date and time of the Power BI item
sourceArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace assigned to the source stage, which will update the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the source stage workspace.
targetArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace of the target stage, which will be updated by the current Power BI item upon

deployment. Applicable only when the user has at least contributor access to the target stage workspace.

PipelineStageDataset

The metadata for a deployment pipeline dataset

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The Power BI item display name
artifactId	string	The Power BI item ID
lastDeploymentTime	string	The last deployment date and time of the Power BI item
sourceArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace assigned to the source stage, which will update the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the source stage workspace.
targetArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace of the target stage, which will be updated by the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the target stage workspace.

PipelineStageReport

The metadata for a deployment pipeline report

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The Power BI item display name
artifactId	string	The Power BI item ID
lastDeploymentTime	string	The last deployment date and time of the Power BI item
sourceArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace assigned to the source stage, which will update the current Power BI item upon

		deployment. Applicable only when the user has at least contributor access to the source stage workspace.
targetArtifactId	string	The ID of the Power BI item (such as a report or a dashboard) from the workspace of the target stage, which will be updated by the current Power BI item upon deployment. Applicable only when the user has at least contributor access to the target stage workspace.

Pipelines - Get Pipeline Stages

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the stages of the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All or Pipeline.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/stages
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Pipeline Stages	OK

Examples

Get the stages of a deployment pipeline example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/stages
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "order": 0,  
      "workspaceId": "4de5bcc4-2c88-4efe-b827-4ee7b289b496",  
      "workspaceName": "Workspace-Development"  
    },  
    {  
      "order": 1,  
      "workspaceId": "44b499cf-1eeb-45e2-9ada-63b6ec9d516e"  
    },  
    {  
      "order": 2  
    }  
  ]  
}
```

Definitions

[+] Expand table

Name	Description
PipelineStage	A Power BI deployment pipeline stage
PipelineStages	OData response wrapper for a collection of Power BI deployment pipeline stages.

PipelineStage

A Power BI deployment pipeline stage

[+] Expand table

Name	Type	Description
order	integer	The stage order, starting from zero.
workspaceId	string	The assigned workspace ID. Only applicable when there's an assigned workspace.
workspaceName	string	The assigned workspace name. Only applicable when there's an assigned workspace and the user has access to the workspace.

PipelineStages

OData response wrapper for a collection of Power BI deployment pipeline stages.

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Pipeline Stage[]	The collection of deployment pipeline stages

Pipelines - Get Pipeline Users

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of users that have access to the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All or Pipeline.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/users
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Pipeline Users	OK

Examples

Get users of a deployment pipeline example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "identifier": "john@contoso.com",  
      "accessRight": "Admin",  
      "principalType": "User"  
    },  
    {  
      "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",  
      "accessRight": "Admin",  
      "principalType": "Group"  
    },  
    {  
      "identifier": "a35d842b-90d5-59a1-c56a-5f8fcff0bf9d",  
      "accessRight": "Admin",  
      "principalType": "App"  
    }  
  ]  
}
```

Definitions

[+] Expand table

Name	Description
PipelineUser	A Power BI user access right entry for a deployment pipeline
PipelineUserAccess Right	Required. The access right a user has for the deployment pipeline.
PipelineUsers	OData response wrapper for a collection of Power BI deployment pipeline users
PrincipalType	The principal type

PipelineUser

A Power BI user access right entry for a deployment pipeline

[Expand table](#)

Name	Type	Description
accessRight	PipelineUserAccessRight	Required. The access right a user has for the deployment pipeline.
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the <code>object ID</code> of the principal.
principalType	PrincipalType	The principal type

PipelineUserAccessRight

Required. The access right a user has for the deployment pipeline.

[Expand table](#)

Name	Type	Description
Admin	string	Grants administrator rights to a deployment pipeline

PipelineUsers

OData response wrapper for a collection of Power BI deployment pipeline users

[Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	PipelineUser[]	The collection of deployment pipeline users

PrincipalType

The principal type

[\[\]](#) Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Pipelines - Get Pipelines

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of deployment pipelines that the user has access to.

Required Scope

Pipeline.Read.All or Pipeline.ReadWrite.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines
```

Responses

[Expand table](#)

Name	Type	Description
200 OK	Pipelines	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/pipelines
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",
      "displayName": "Marketing Deployment Pipeline",
      "description": "Power BI deployment pipeline to manage marketing reports"
    }
  ]
}
```

Definitions

[\[\] Expand table](#)

Name	Description
Pipeline	A Power BI pipeline
Pipelines	OData response wrapper for a collection of Power BI deployment pipelines
PipelineStage	A Power BI deployment pipeline stage

Pipeline

A Power BI pipeline

[\[\] Expand table](#)

Name	Type	Description
description	string	The deployment pipeline description
displayName	string	The deployment pipeline display name
id	string	The deployment pipeline ID
stages	Pipeline Stage[]	The collection of deployment pipeline stages. Only returned when <code>\$expand</code> is set to <code>stages</code> in the request.

Pipelines

OData response wrapper for a collection of Power BI deployment pipelines

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Pipeline[]	The collection of deployment pipelines

PipelineStage

A Power BI deployment pipeline stage

[\[\] Expand table](#)

Name	Type	Description
order	integer	The stage order, starting from zero.
workspaceId	string	The assigned workspace ID. Only applicable when there's an assigned workspace.
workspaceName	string	The assigned workspace name. Only applicable when there's an assigned workspace and the user has access to the workspace.

Pipelines - Selective Deploy

Reference

Service: Power BI REST APIs

API Version: v1.0

Deploys the specified items from the source stage of the specified deployment pipeline.

Permissions

The user must at least be a contributor on both source and target deployment workspaces. For more information, see [Permissions](#).

Required Scope

Pipeline.Deploy

Limitations

Maximum 300 deployed items per request.

HTTP

`POST https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/deploy`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Request Body

[+] Expand table

Name	Required	Type	Description
sourceStageOrder	True	integer	The numeric identifier of the pipeline deployment stage that the content should be deployed from. Development (0), Test (1), Production (2).
dashboards		DeployArtifact Request[]	A list of dashboards to be deployed
dataflows		DeployArtifact Request[]	A list of dataflows to be deployed
datamarts		DeployArtifact Request[]	A list of datamarts to be deployed
datasets		DeployArtifact Request[]	A list of datasets to be deployed
isBackwardDeployment		boolean	Whether the deployment will be from a later stage in the deployment pipeline, to an earlier one. The default value is <code>false</code> .
newWorkspace		PipelineNew Workspace Request	The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces. The deployment will fail if the new workspace configuration details aren't provided when required.
note		string	A note describing the deployment.
options		Deployment Options	Options that control the behavior of the entire deployment
reports		DeployArtifact Request[]	A list of reports to be deployed
updateAppSettings		Pipeline UpdateApp Settings	Update org app in the target workspace settings

Responses

[\[+\] Expand table](#)

Name	Type	Description

202	Pipeline	Accepted
Accepted	Operation	

Examples

[] [Expand table](#)

Example of deploying specific Power BI items (such as reports or dashboards) from the 'Development' stage

Example of deploying specific Power BI items with custom options

Example of deploying specific Power BI items (such as reports or dashboards) from the 'Development' stage

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/deploy
```

Request Body

JSON

```
{
  "sourceStageOrder": 0,
  "dataflows": [
    {
      "sourceId": "29efcfb0-0063-44af-a4ed-6c0bee3417d3"
    }
  ],
  "datamarts": [
    {
      "sourceId": "6bfe235c-6d7b-41b7-98a6-2b8276b3e82b"
    }
  ],
  "datasets": [
    {
      "sourceId": "1a201f2a-d1d8-45c0-8c61-1676338517de"
    }
  ],
  "reports": [
    {
      "sourceId": "2d225191-65f8-4ec3-b77d-06100602b1f7"
    }
  ]
}
```

```
        }
    ],
    "dashboards": [
        {
            "sourceId": "9046e4cc-8aea-4a7a-a3b5-1a78b1447d82"
        },
        {
            "sourceId": "7f08923c-8f57-49d6-a010-8335bb9cbd1b"
        }
    ],
    "options": {
        "allowOverwriteArtifact": true,
        "allowCreateArtifact": true
    },
    "note": "Deploying business ready items"
}
```

Sample response

Status code: 200

JSON

```
{
    "value": [
        {
            "id": "1065e6a3-a020-4c0c-ada7-92b5fe99eec5",
            "type": "Deploy",
            "status": "NotStarted",
            "lastUpdatedTime": "2020-12-13T09:26:43.153",
            "executionStartTime": "2020-12-13T09:25:43.153Z",
            "executionEndTime": "2020-12-13T09:26:43.153Z",
            "sourceStageOrder": 0,
            "targetStageOrder": 1
        }
    ]
}
```

Example of deploying specific Power BI items with custom options

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/deploy
```

Request Body

JSON

```
{  
    "sourceStageOrder": 0,  
    "datamarts": [  
        {  
            "sourceId": "6bfe235c-6d7b-41b7-98a6-2b8276b3e82b",  
            "options": {  
                "allowOverwriteArtifact": true,  
                "allowCreateArtifact": true  
            }  
        }  
    ],  
    "reports": [  
        {  
            "sourceId": "2d225191-65f8-4ec3-b77d-06100602b1f7",  
            "options": {  
                "allowOverwriteArtifact": true  
            }  
        }  
    ],  
    "note": "Deploying business ready items"  
}
```

Sample response

Status code: 200

JSON

```
{  
    "value": [  
        {  
            "id": "1065e6a3-a020-4c0c-ada7-92b5fe99eec5",  
            "type": "Deploy",  
            "status": "NotStarted",  
            "lastUpdatedTime": "2020-12-13T09:26:43.153",  
            "executionStartTime": "2020-12-13T09:25:43.153Z",  
            "executionEndTime": "2020-12-13T09:26:43.153Z",  
            "sourceStageOrder": 0,  
            "targetStageOrder": 1  
        }  
    ]  
}
```

Definitions

[] Expand table

Name	Description
DeployArtifactRequest	A request to deploy a Power BI item (such as a report or a dashboard)
DeploymentError	Error details for the deployment step
DeploymentExecution Plan	A deployment execution plan
DeploymentExecution Step	A deployment execution step
DeploymentExecution StepPreDeployment DiffState	Is an item new, different or identical to items in the target stage before deployment.
DeploymentOptions	Deployment configuration options. Can be specified either for the entire deployment or for a specific Power BI item (such as a report or dashboard). If both are specified, only the deployment options for the Power BI item are used.
DeploymentSource AndTarget	Source and target items
DeploymentStepType	The type of deployment step
PipelineNew WorkspaceRequest	The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces.
PipelineOperation	A Power BI deployment pipeline operation
PipelineOperation Note	A note describing the deployment.
PipelineOperation Status	The pipeline operation status
PipelineOperationType	The operation type
PipelineOperationUser	User or service principal that performed the pipeline operation.
PipelineUpdateApp Settings	Configuration update org app after deployment
PreDeploymentDiff Information	The amount of new, different and identical deployed items before deployment.
PrincipalType	The principal type
SelectiveDeploy Request	A request to selectively deploy items from a deployment pipeline stage

DeployArtifactRequest

A request to deploy a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
options	Deployment Options	The deployment configuration options for a specific Power BI item (such as a report or a dashboard)
sourceld	string	The ID of the Power BI item (such as a report or a dashboard) to be deployed

DeploymentError

Error details for the deployment step

[Expand table](#)

Name	Type	Description
errorCode	string	The error code
errorDetails	string	Additional error details

DeploymentExecutionPlan

A deployment execution plan

[Expand table](#)

Name	Type	Description
steps	Deployment Execution Step[]	The collection of execution plan steps

DeploymentExecutionStep

A deployment execution step

[Expand table](#)

Name	Type	Description
error	Deployment Error	The error details. Only applicable if the pipeline operation failed.
index	integer	The step index
preDeploymentDiffState	Deployment Execution StepPre Deployment DiffState	Is an item new, different or identical to items in the target stage before deployment.
sourceAndTarget	Deployment SourceAnd Target	The source and target items of the step
status	Pipeline Operation Status	The status of the pipeline operation
type	Deployment StepType	The type of deployment step

DeploymentExecutionStepPreDeploymentDiffState

Is an item new, different or identical to items in the target stage before deployment.

[+] Expand table

Name	Type	Description
Different	string	Before deployment, the item in the source stage wasn't identical to the one in the target stage.
New	string	A new deployed item that doesn't exist in the target stage.
NoDifference	string	Before deployment, the item in the source stage was identical to the one in the target stage.

DeploymentOptions

Deployment configuration options. Can be specified either for the entire deployment or for a specific Power BI item (such as a report or dashboard). If both are specified, only the deployment options for the Power BI item are used.

[Expand table](#)

Name	Type	Description
allowCreateArtifact	boolean	Whether creating a new Power BI item (such as a report or a dashboard) in the target stage workspace is allowed. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowOverwriteArtifact	boolean	Whether overwriting a Power BI item (such as a report or a dashboard) in the target stage workspace is allowed. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowOverwriteTargetArtifactLabel	boolean	Whether the label of a target Power BI item (such as a report or a dashboard) can be changed. The label gets changed when the source is protected but the target isn't. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowPurgeData	boolean	Whether to delete all data from the target Power BI item (such as a report or a dashboard) when there's a schema mismatch. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowSkipTilesWithMissingPrerequisites	boolean	Whether to skip tiles that don't have a model or a report in the target stage workspace. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.
allowTakeOver	boolean	Whether to allow overriding the previous paginated report owner and becoming the owner of the paginated report. Applicable when deploying a paginated report to a stage that already contains a copy of the paginated report that isn't owned by you. If this option isn't set to <code>true</code> when it's required for deployment, the deployment will fail.

DeploymentSourceAndTarget

Source and target items

[Expand table](#)

Name	Type	Description
source	string	The ID of the Power BI item that's deployed from the source stage
sourceDisplayName	string	The display name of the Power BI item that's deployed from the source stage
target	string	The ID of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
targetDisplayName	string	The name of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.
type	string	The type of the Power BI item that will be overwritten in the target stage. Only applies when overwriting a Power BI item.

DeploymentStepType

The type of deployment step

[Expand table](#)

Name	Type	Description
DashboardDeployment	string	A step for deploying a single dashboard
DataflowDeployment	string	A step for deploying a single dataflow
DatamartDeployment	string	A step for deploying a single datamart
DatasetDeployment	string	A step for deploying a single dataset
ReportDeployment	string	A step for deploying a single report

PipelineNewWorkspaceRequest

The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces.

[\[+\] Expand table](#)

Name	Type	Description
capacityId	string	The ID of the capacity that the new workspace will be assigned to. If unspecified and the API caller has permissions for the source stage workspace capacity, then that capacity will be used. Otherwise, Power BI will select a capacity that the API caller has permissions for.
name	string	The name of the new workspace

PipelineOperation

A Power BI deployment pipeline operation

[\[+\] Expand table](#)

Name	Type	Description
executionEndTime	string	The date and time that the operation ended
executionPlan	Deployment Execution Plan	The deployment execution plan. Only applicable to a single pipeline operation.
executionStartTime	string	The date and time that the operation started
id	string	The operation ID
lastUpdatedTime	string	The date and time that the operation was last updated
note	Pipeline Operation Note	A note representing a description of the operation.
performedBy	Pipeline Operation User	User or service principal that performed the pipeline operation.
preDeploymentDiffInformation	Pre Deployment Diff Information	The amount of deployed items in the source stage, that are new, identical or different to items in the target stage, before deployment.
sourceStageOrder	integer	The numeric identifier of a source pipeline deployment stage. Development (0), Test (1), Production (2).

status	Pipeline Operation Status	The pipeline operation status
targetStageOrder	integer	The numeric identifier of a target pipeline deployment stage. Development (0), Test (1), Production (2).
type	Pipeline Operation Type	The operation type

PipelineOperationNote

A note describing the deployment.

[\[\] Expand table](#)

Name	Type	Description
content	string	Text describing the deployment.
isTruncated	boolean	Indicates if the note is incomplete. True, only part of the note is returned. False, the note is complete.

PipelineOperationStatus

The pipeline operation status

[\[\] Expand table](#)

Name	Type	Description
Executing	string	Operation executing
Failed	string	Operation failed
NotStarted	string	Operation not started
Succeeded	string	Operation succeeded

PipelineOperationType

The operation type

[\[+\] Expand table](#)

Name	Type	Description
Deploy	string	Deploy content between stages

PipelineOperationUser

User or service principal that performed the pipeline operation.

[\[+\] Expand table](#)

Name	Type	Description
principalObjectID	string	The ID of the service principal that performed the deployment.
principalType	Principal Type	The type of user who performed the deployment.
userPrincipalName	string	The UPN of the user who performed the deployment.

PipelineUpdateAppSettings

Configuration update org app after deployment

[\[+\] Expand table](#)

Name	Type	Description
updateAppInTargetWorkspace	boolean	Whether to update the app in the target workspace. Only deployed items that already exist in the app are updated. New deployed items are not added to the app.

PreDeploymentDiffInformation

The amount of new, different and identical deployed items before deployment.

[\[+\] Expand table](#)

Name	Type	Description
differentArtifactsCount	integer	The number of deployed items with differences between source and target stages, before

		deployment.
newArtifactsCount	integer	The number of new items deployed to the target stage.
noDifferenceArtifactsCount	integer	The number of identical deployed items in the source and target stages, before deployment.

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

SelectiveDeployRequest

A request to selectively deploy items from a deployment pipeline stage

[\[\] Expand table](#)

Name	Type	Description
dashboards	Deploy Artifact Request[]	A list of dashboards to be deployed
dataflows	Deploy Artifact Request[]	A list of dataflows to be deployed
datamarts	Deploy Artifact Request[]	A list of datamarts to be deployed
datasets	Deploy Artifact Request[]	A list of datasets to be deployed

isBackwardDeployment	boolean	Whether the deployment will be from a later stage in the deployment pipeline, to an earlier one. The default value is <code>false</code> .
newWorkspace	PipelineNew Workspace Request	The configuration details for creating a new workspace. Required when deploying to a stage that has no assigned workspaces. The deployment will fail if the new workspace configuration details aren't provided when required.
note	string	A note describing the deployment.
options	Deployment Options	Options that control the behavior of the entire deployment
reports	Deploy Artifact Request[]	A list of reports to be deployed
sourceStageOrder	integer	The numeric identifier of the pipeline deployment stage that the content should be deployed from. Development (0), Test (1), Production (2).
updateAppSettings	Pipeline UpdateApp Settings	Update org app in the target workspace settings

Pipelines - Unassign Workspace

Reference

Service: Power BI REST APIs

API Version: v1.0

Unassigns the workspace from the specified stage in the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All

Limitations

This operation will fail if there's an active deployment operation.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/stages/{stageOrder}/unassignWorkspace`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
pipelineId	path	True	string uuid	The deployment pipeline ID
stageOrder	path	True	integer int32	The deployment pipeline stage order. Development (0), Test (1), Production (2).

Responses

[+] Expand table

Name	Type	Description
------	------	-------------

200 OK

OK

Examples

Unassign a workspace from a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824/stages/0/unassignWorkspace
```

Sample response

Status code: 200

Pipelines - Update Pipeline

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All

HTTP

`PATCH https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Request Body

[+] Expand table

Name	Type	Description
description	string	The updated description for the deployment pipeline
displayName	string	The updated display name for the deployment pipeline

Responses

[+] Expand table

Name	Type	Description
200 OK	Pipeline	OK

Examples

Update a deployment pipeline example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/pipelines/a5ded933-57b7-41f4-b072-ed4c1f9d5824
```

Request Body

JSON

```
{
  "displayName": "Updated Deployment Pipeline Name",
  "description": "Updated deployment pipeline description"
}
```

Sample response

Status code: 200

JSON

```
{
  "id": "a5ded933-57b7-41f4-b072-ed4c1f9d5824",
  "displayName": "Updated Deployment Pipeline Name",
  "description": "Updated deployment pipeline description"
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
Pipeline	A Power BI pipeline

PipelineStage	A Power BI deployment pipeline stage
UpdatePipelineRequest	A request to update an existing deployment pipeline. An updated display name and/or a description is required.

Pipeline

A Power BI pipeline

[Expand table](#)

Name	Type	Description
description	string	The deployment pipeline description
displayName	string	The deployment pipeline display name
id	string	The deployment pipeline ID
stages	PipelineStage[]	The collection of deployment pipeline stages. Only returned when <code>\$expand</code> is set to <code>stages</code> in the request.

PipelineStage

A Power BI deployment pipeline stage

[Expand table](#)

Name	Type	Description
order	integer	The stage order, starting from zero.
workspaceId	string	The assigned workspace ID. Only applicable when there's an assigned workspace.
workspaceName	string	The assigned workspace name. Only applicable when there's an assigned workspace and the user has access to the workspace.

UpdatePipelineRequest

A request to update an existing deployment pipeline. An updated display name and/or a description is required.

[Expand table](#)

Name	Type	Description
description	string	The updated description for the deployment pipeline
displayName	string	The updated display name for the deployment pipeline

Pipelines - Update Pipeline User

Reference

Service: Power BI REST APIs

API Version: v1.0

Grants user permissions to the specified deployment pipeline.

Required Scope

Pipeline.ReadWrite.All

HTTP

POST <https://api.powerbi.com/v1.0/myorg/pipelines/{pipelineId}/users>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>pipelineId</code>	path	True	string uuid	The deployment pipeline ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
identifier	True	string	For principal type <code>User</code> , provide the <i>UPN</i> . Otherwise provide the <code>object ID</code> of the principal.
principalType	True	PrincipalType	The principal type
accessRight		PipelineUserAccessRight	Required. The access right a user has for the deployment pipeline.

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

[+] Expand table

Add a group to a deployment pipeline example
Add a service principal to a deployment pipeline example
Add a user to a deployment pipeline example

Add a group to a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users
```

Request Body

JSON

```
{
  "identifier": "154aef10-47b8-48c4-ab97-f0bf9d5f8fcf",
  "accessRight": "Admin",
  "principalType": "Group"
}
```

Sample response

Status code: 200

Add a service principal to a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users
```

Request Body

JSON

```
{  
  "identifier": "a35d842b-90d5-59a1-c56a-5f8fcff0bf9d",  
  "accessRight": "Admin",  
  "principalType": "App"  
}
```

Sample response

Status code: 200

Add a user to a deployment pipeline example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/pipelines/8ce96c50-85a0-4db3-85c6-7ccc3ed46523/users
```

Request Body

JSON

```
{  
  "identifier": "john@contoso.com",  
  "accessRight": "Admin",  
  "principalType": "User"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
PipelineUser	A Power BI user access right entry for a deployment pipeline
PipelineUserAccessRight	Required. The access right a user has for the deployment pipeline.
PrincipalType	The principal type

PipelineUser

A Power BI user access right entry for a deployment pipeline

[\[+\] Expand table](#)

Name	Type	Description
accessRight	PipelineUserAccessRight	Required. The access right a user has for the deployment pipeline.
identifier	string	For principal type <code>User</code> , provide the UPN. Otherwise provide the object ID of the principal.
principalType	Principal Type	The principal type

PipelineUserAccessRight

Required. The access right a user has for the deployment pipeline.

[\[+\] Expand table](#)

Name	Type	Description
Admin	string	Grants administrator rights to a deployment pipeline

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type

Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Profiles

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 [Expand table](#)

Create Profile	Creates a new service principal profile.
Delete Profile	Deletes the specified service principal profile.
Get Profile	Returns the specified service principal profile.
Get Profiles	Returns a list of service principal profiles.
Update Profile	Updates the specified service principal profile name.

Profiles - Create Profile

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new service principal profile.

Creates a new profile that belongs to service principal caller.

Limitations

Can only be called by a service principal. The maximum number of profiles a single service principal can have, is 100,000.

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/profiles
```

Request Body

[+] Expand table

Name	Type	Description
displayName	string	The service principal profile name

Responses

[+] Expand table

Name	Type	Description
200 OK	Service Principal Profile	OK

Examples

Create a service principal profile

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/profiles
```

Request Body

JSON

```
{  
  "displayName": "My new profile"  
}
```

Sample response

Status code: 200

JSON

```
{  
  "id": "b2ded813-54b7-43f4-b072-ed4c1f9d5824",  
  "displayName": "My new profile"  
}
```

Definitions

[] [Expand table](#)

Name	Description
CreateOrUpdateProfile Request	A Power BI service principal profile create or update request
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

CreateOrUpdateProfileRequest

A Power BI service principal profile create or update request

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Profiles - Delete Profile

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified service principal profile.

Deletes the specified profile if it exists and belongs to service principal caller.

Limitations

Can only be called by a service principal.

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/profiles/{profileId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
profileId	path	True	string uuid	The service principal profile ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

Delete a service principal profile

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/profiles/b3ded933-57b7-21f4-b072-ed4c1f9d5824
```

Sample response

Status code: 200

Profiles - Get Profile

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified service principal profile.

Returns the specified profile if it exists and belongs to service principal caller.

Limitations

Can only be called by a service principal.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/profiles/{profileId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
profileId	path	True	string uuid	The service principal profile ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Service Principal Profile	OK

Examples

Get service principal profile

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/profiles/b2ded813-54b7-43f4-b072-ed4c1f9d5824
```

Sample response

Status code: 200

JSON

```
{
  "id": "b2ded813-54b7-43f4-b072-ed4c1f9d5824",
  "displayName": "My new profile"
}
```

Definitions

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] Expand table

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Profiles - Get Profiles

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of service principal profiles.

Returns a list of profiles that belongs to service principal caller.

Limitations

Can only be called by a service principal.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/profiles
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/profiles?$top={$top}&$skip={$skip}&$filter={$filter}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
\$filter	query		string	Get a profile by DisplayName
\$skip	query		integer int32	Skips the first n results
\$top	query		integer int32	Returns only the first n results

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Service Principal Profiles	OK

Examples

[\[+\] Expand table](#)

Get a specific profile by displayName using filter

Get service principal profiles

Get a specific profile by displayName using filter

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/profiles?  
$filter=displayName%20eq%20'My%20new%20profile'
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "3b211778-e7a5-4d73-8187-f10824047724",  
      "displayName": "My new profile"  
    }  
  ]  
}
```

Get service principal profiles

Sample request

HTTP

GET <https://api.powerbi.com/v1.0/myorg/profiles>

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "id": "3b211778-e7a5-4d73-8187-f10824047724",  
      "displayName": "My new profile"  
    }  
  ]  
}
```

Definitions

[+] Expand table

Name	Description
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
ServicePrincipalProfiles	Odata response wrapper for a Power BI service principal profile collection.

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] Expand table

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

ServicePrincipalProfiles

Odata response wrapper for a Power BI service principal profile collection.

[Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Service Principal Profile[]	The service principal profile collection

Profiles - Update Profile

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the specified service principal profile name.

Updates the specified profile name if it exists and belongs to service principal caller.

Limitations

Can only be called by a service principal.

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/profiles/{profileId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
profileId	path	True	string uuid	The service principal profile ID

Request Body

[+] Expand table

Name	Type	Description
displayName	string	The service principal profile name

Responses

[+] Expand table

Name	Type	Description
200 OK	Service Principal Profile	OK

Examples

Updates a service principal profile

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/profiles/b3ded933-57b7-21f4-b072-ed4c1f9d5824
```

Request Body

JSON

```
{
  "displayName": "My updated profile"
}
```

Sample response

Status code: 200

JSON

```
{
  "id": "b3ded933-57b7-21f4-b072-ed4c1f9d5824",
  "displayName": "My updated profile"
}
```

Definitions

[\[\] Expand table](#)

Name	Description
------	-------------

CreateOrUpdateProfile Request	A Power BI service principal profile create or update request
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

CreateOrUpdateProfileRequest

A Power BI service principal profile create or update request

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Push Datasets

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 Expand table

Datasets DeleteRows	Deletes all rows from the specified table within the specified dataset from My workspace .
Datasets DeleteRowsInGroup	Deletes all rows from the specified table within the specified dataset from the specified workspace.
Datasets GetTables	Returns a list of tables within the specified dataset from My workspace .
Datasets GetTablesInGroup	Returns a list of tables within the specified dataset from the specified workspace.
Datasets PostDataset	Creates a new dataset on My workspace .
Datasets PostDatasetInGroup	Creates a new dataset in the specified workspace.
Datasets PostRows	Adds new data rows to the specified table within the specified dataset from My workspace .
Datasets PostRowsInGroup	Adds new data rows to the specified table within the specified dataset from the specified workspace.
Datasets PutTable	Updates the metadata and schema for the specified table within the specified dataset from My workspace .
Datasets PutTableInGroup	Updates the metadata and schema for the specified table within the specified dataset from the specified workspace.

Push Datasets - Datasets DeleteRows

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes all rows from the specified table within the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**. For a complete list of limitations, see [Push datasets limitations](#).

HTTP

```
DELETE  
https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/tables/{tableName}/r  
ows
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
tableName	path	True	string	The table name

Responses

[+] Expand table

Name	Type	Description

200 OK

OK

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/tables/Product/rows
```

Sample response

Status code: 200

Push Datasets - Datasets DeleteRowsInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes all rows from the specified table within the specified dataset from the specified workspace.

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**. For a complete list of limitations, see [Push datasets limitations](#).

HTTP
DELETE
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/tables/{tableName}/rows</code>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID
<code>tableName</code>	path	True	string	The table name

Responses

[\[\]](#) Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/tables/Product/rows
```

Sample response

Status code: 200

Push Datasets - Datasets GetTables

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of tables within the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All or Dataset.Read.All

Limitations

This API call only supports **push datasets**. For a complete list of limitations, see [Push datasets limitations](#).

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/tables
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Tables	OK

Definitions

[\[\] Expand table](#)

Name	Description
ASMashupExpression	A dataset table source
Column	A dataset column
Measure	A Power BI measure
Row	A data row in a dataset
Table	A dataset table
Tables	The OData response wrapper for a Power BI table collection

ASMashupExpression

A dataset table source

[\[\] Expand table](#)

Name	Type	Description
expression	string	The source expression

Column

A dataset column

[\[\] Expand table](#)

Name	Type	Description
dataCategory	string	Optional. The string value to be used for the data category which describes the data within this column.
dataType	string	The column data type
formatString	string	Optional. The format of the column as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the column is hidden. The default is <code>false</code> .
name	string	The column name
sortByColumn	string	Optional. String name of a column in the same table to be used to order the current column.

summarizeBy	string	Optional. The aggregate function to use for summarizing this column.
-------------	--------	----------------------------------------------------------------------

Measure

A Power BI measure

[+] Expand table

Name	Type	Description
description	string	Optional. The measure description.
expression	string	A valid DAX expression
formatString	string	Optional. A string describing how the value should be formatted when it's displayed as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the measure is hidden.
name	string	The measure name

Row

A data row in a dataset

[+] Expand table

Name	Type	Description
id	string	The unique row ID

Table

A dataset table

[+] Expand table

Name	Type	Description
columns	Column []	The column schema for this table
description	string	The table description
isHidden	boolean	Optional. Whether this dataset table is hidden.

measures	Measure[]	The measures within this table
name	string	The table name
rows	Row[]	The data rows within this table
source	AS Mashup Expression[]	The table source

Tables

The OData response wrapper for a Power BI table collection

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Table[]	The Power BI tables

Push Datasets - Datasets GetTablesInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of tables within the specified dataset from the specified workspace.

Required Scope

Limitations

This API call only supports **push datasets**. For a complete list of limitations, see [Push datasets limitations](#).

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/tables`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>datasetId</code>	path	True	string	The dataset ID
<code>groupId</code>	path	True	string uuid	The workspace ID

Responses

[+] Expand table

Name	Type	Description
------	------	-------------

200 OK

[Tables](#)

OK

Definitions

[\[\] Expand table](#)

Name	Description
ASMashupExpression	A dataset table source
Column	A dataset column
Measure	A Power BI measure
Row	A data row in a dataset
Table	A dataset table
Tables	The OData response wrapper for a Power BI table collection

ASMashupExpression

A dataset table source

[\[\] Expand table](#)

Name	Type	Description
expression	string	The source expression

Column

A dataset column

[\[\] Expand table](#)

Name	Type	Description
dataCategory	string	Optional. The string value to be used for the data category which describes the data within this column.
dataType	string	The column data type
formatString	string	Optional. The format of the column as specified in FORMAT_STRING .

isHidden	boolean	Optional. Whether the column is hidden. The default is <code>false</code> .
name	string	The column name
sortByColumn	string	Optional. String name of a column in the same table to be used to order the current column.
summarizeBy	string	Optional. The aggregate function to use for summarizing this column.

Measure

A Power BI measure

[\[\] Expand table](#)

Name	Type	Description
description	string	Optional. The measure description.
expression	string	A valid DAX expression
formatString	string	Optional. A string describing how the value should be formatted when it's displayed as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the measure is hidden.
name	string	The measure name

Row

A data row in a dataset

[\[\] Expand table](#)

Name	Type	Description
id	string	The unique row ID

Table

A dataset table

[\[\] Expand table](#)

Name	Type	Description
columns	Column[]	The column schema for this table
description	string	The table description
isHidden	boolean	Optional. Whether this dataset table is hidden.
measures	Measure[]	The measures within this table
name	string	The table name
rows	Row[]	The data rows within this table
source	AS Mashup Expression[]	The table source

Tables

The OData response wrapper for a Power BI table collection

 [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Table[]	The Power BI tables

Push Datasets - Datasets PostDataset

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new dataset on **My workspace**.

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**. For a complete list of limitations, see [Push datasets limitations](#).

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets
```

With optional parameters:

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets?defaultRetentionPolicy= {defaultRetentionPolicy}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
defaultRetentionPolicy	query		DefaultRetentionPolicy	The default retention policy

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
name	True	string	The dataset name
tables	True	Table[]	The dataset tables
datasources		Datasource[]	The data sources associated with this dataset
defaultMode		DatasetMode	The dataset mode or type
relationships		Relationship[]	The dataset relationships

Responses

[\[+\] Expand table](#)

Name	Type	Description
201 Created	Dataset	Created
202 Accepted	Dataset	Accepted

Examples

Push example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets?  
defaultRetentionPolicy=basicFIFO
```

Request Body

JSON

```
{  
  "name": "SalesMarketing",  
  "defaultMode": "Push",  
  "tables": [  
    {
```

```

    "name": "Product",
    "columns": [
        {
            "name": "ProductID",
            "dataType": "Int64"
        },
        {
            "name": "Name",
            "dataType": "string"
        },
        {
            "name": "Category",
            "dataType": "string"
        },
        {
            "name": "IsCompete",
            "dataType": "bool"
        },
        {
            "name": "ManufacturedOn",
            "dataType": "DateTime"
        },
        {
            "name": "Sales",
            "dataType": "Int64",
            "formatString": "Currency"
        }
    ]
}
]
}

```

Sample response

Status code: 201

JSON

```
{
    "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
    "name": "SalesMarketing",
    "defaultRetentionPolicy": "basicFIFO"
}
```

Definitions

[\[\] Expand table](#)

Name	Description
------	-------------

AS Mashup Expression	A dataset table source
Column	A dataset column
CreateDataset Request	A Power BI dataset
CrossFiltering Behavior	The filter direction of the relationship
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetMode	The dataset mode or type
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Datasource	A Power BI data source
Datasource ConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
DefaultRetention Policy	The default retention policy
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
Measure	A Power BI measure
PrincipalType	The principal type
Relationship	A relationship between tables in a dataset
Row	A data row in a dataset
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Table	A dataset table

AS Mashup Expression

A dataset table source

[+] [Expand table](#)

Name	Type	Description
expression	string	The source expression

Column

A dataset column

[+] [Expand table](#)

Name	Type	Description
dataCategory	string	Optional. The string value to be used for the data category which describes the data within this column.
dataType	string	The column data type
formatString	string	Optional. The format of the column as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the column is hidden. The default is <code>false</code> .
name	string	The column name
sortByColumn	string	Optional. String name of a column in the same table to be used to order the current column.
summarizeBy	string	Optional. The aggregate function to use for summarizing this column.

Create Dataset Request

A Power BI dataset

[+] [Expand table](#)

Name	Type	Description
datasources	Datasource[]	The data sources associated with this dataset

defaultMode	DatasetMode	The dataset mode or type
name	string	The dataset name
relationships	Relationship[]	The dataset relationships
tables	Table[]	The dataset tables

CrossFilteringBehavior

The filter direction of the relationship

[+] [Expand table](#)

Name	Type	Description
Automatic	string	Cross filtering behavior is automatically defined
BothDirections	string	For filtering purposes, both tables are treated as a single table.
OneDirection	string	For filtering purposes, the filter will be applied on the table where values are being aggregated.

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.
IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.

IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API , or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the dataset

DatasetMode

The dataset mode or type

[+] Expand table

Name	Type	Description
AsAzure	string	A dataset with a live connection to Azure Analysis Services
AsOnPrem	string	A dataset with a live connection to on-premises Azure Analysis Services
Push	string	A dataset that allows programmatic access for pushing data into Power BI
PushStreaming	string	A dataset that supports data streaming and allows programmatic access for pushing data into Power BI
Streaming	string	A dataset that supports data streaming. For more information, see Real-time streaming in Power BI .

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] Expand table

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] Expand table

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access right that the user has for the dataset (permission level)

displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset
ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

Datasource

A Power BI data source

[+] Expand table

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[+] Expand table

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind

loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

DefaultRetentionPolicy

The default retention policy

[\[+\] Expand table](#)

Name	Type	Description
None	string	None
basicFIFO	string	basicFIFO

DependentDataflow

A Power BI dependent dataflow

[\[+\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[+\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Measure

A Power BI measure

[\[+\] Expand table](#)

Name	Type	Description
description	string	Optional. The measure description.
expression	string	A valid DAX expression
formatString	string	Optional. A string describing how the value should be formatted when it's displayed as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the measure is hidden.
name	string	The measure name

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type

None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Relationship

A relationship between tables in a dataset

[+] [Expand table](#)

Name	Type	Default value	Description
crossFilteringBehavior	Cross Filtering Behavior	OneDirection	The filter direction of the relationship
fromColumn	string		The name of the foreign key column
fromTable	string		The name of the foreign key table
name	string		The relationship name and identifier
toColumn	string		The name of the primary key column
toTable	string		The name of the primary key table

Row

A data row in a dataset

[+] [Expand table](#)

Name	Type	Description
id	string	The unique row ID

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Table

A dataset table

[\[+\] Expand table](#)

Name	Type	Description
columns	Column[]	The column schema for this table
description	string	The table description
isHidden	boolean	Optional. Whether this dataset table is hidden.
measures	Measure[]	The measures within this table
name	string	The table name
rows	Row[]	The data rows within this table
source	AS Mashup Expression[]	The table source

Push Datasets - Datasets PostDatasetInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new dataset in the specified workspace.

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**. For a complete list of limitations, see [Push datasets limitations](#).

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets
```

With optional parameters:

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets?
defaultRetentionPolicy={defaultRetentionPolicy}
```

URI Parameters

[] [Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

defaultRetentionPolicy	query	DefaultRetentionPolicy	The default retention policy
-------------------------------	-------	------------------------	------------------------------

Request Body

[+] Expand table

Name	Required	Type	Description
name	True	string	The dataset name
tables	True	Table[]	The dataset tables
datasources		Datasource[]	The data sources associated with this dataset
defaultMode		DatasetMode	The dataset mode or type
relationships		Relationship[]	The dataset relationships

Responses

[+] Expand table

Name	Type	Description
201 Created	Dataset	Created
202 Accepted	Dataset	Accepted

Examples

Push example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets?defaultRetentionPolicy=basicFIFO
```

Request Body

JSON

```
{  
  "name": "SalesMarketing",  
  "defaultMode": "Push",  
  "tables": [  
    {  
      "name": "Product",  
      "columns": [  
        {  
          "name": "ProductID",  
          "dataType": "Int64"  
        },  
        {  
          "name": "Name",  
          "dataType": "string"  
        },  
        {  
          "name": "Category",  
          "dataType": "string"  
        },  
        {  
          "name": "IsCompete",  
          "dataType": "bool"  
        },  
        {  
          "name": "ManufacturedOn",  
          "dataType": "DateTime"  
        },  
        {  
          "name": "Sales",  
          "dataType": "Int64",  
          "formatString": "Currency"  
        }  
      ]  
    }  
  ]  
}
```

Sample response

Status code: 201

JSON

```
{  
  "id": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
  "name": "SalesMarketing",  
  "defaultRetentionPolicy": "basicFIFO"  
}
```

Definitions

 Expand table

Name	Description
AS Mashup Expression	A dataset table source
Column	A dataset column
CreateDataset Request	A Power BI dataset
CrossFiltering Behavior	The filter direction of the relationship
Dataset	A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.
DatasetMode	The dataset mode or type
DatasetQuery ScaleOutSettings	Query scale-out settings of a dataset
DatasetUser	A Power BI user access right entry for a dataset
DatasetUser AccessRight	The access right that the user has for the dataset (permission level)
Datasource	A Power BI data source
Datasource ConnectionDetails	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
DefaultRetention Policy	The default retention policy
Dependent Dataflow	A Power BI dependent dataflow
Encryption	Encryption information for a dataset
EncryptionStatus	Dataset encryption status
Measure	A Power BI measure
PrincipalType	The principal type
Relationship	A relationship between tables in a dataset

Row	A data row in a dataset
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Table	A dataset table

AS Mashup Expression

A dataset table source

[\[+\] Expand table](#)

Name	Type	Description
expression	string	The source expression

Column

A dataset column

[\[+\] Expand table](#)

Name	Type	Description
dataCategory	string	Optional. The string value to be used for the data category which describes the data within this column.
dataType	string	The column data type
formatString	string	Optional. The format of the column as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the column is hidden. The default is <code>false</code> .
name	string	The column name
sortByColumn	string	Optional. String name of a column in the same table to be used to order the current column.
summarizeBy	string	Optional. The aggregate function to use for summarizing this column.

CreateDatasetRequest

A Power BI dataset

[Expand table](#)

Name	Type	Description
datasources	Datasource[]	The data sources associated with this dataset
defaultMode	DatasetMode	The dataset mode or type
name	string	The dataset name
relationships	Relationship[]	The dataset relationships
tables	Table[]	The dataset tables

CrossFilteringBehavior

The filter direction of the relationship

[Expand table](#)

Name	Type	Description
Automatic	string	Cross filtering behavior is automatically defined
BothDirections	string	For filtering purposes, both tables are treated as a single table.
OneDirection	string	For filtering purposes, the filter will be applied on the table where values are being aggregated.

Dataset

A Power BI dataset. The API returns a subset of the following list of dataset properties. The subset depends on the API called, caller permissions, and the availability of the data in the Power BI database.

[Expand table](#)

Name	Type	Description
ContentProviderType	string	The content provider type for the dataset
CreateReportEmbedURL	string	The dataset create report embed URL
CreatedDate	string	The dataset creation date and time
Encryption	Encryption	Dataset encryption information. Only applicable when <code>\$expand</code> is specified.

IsEffectiveIdentityRequired	boolean	Whether the dataset requires an effective identity, which you must send in a GenerateToken API call.
IsEffectiveIdentityRolesRequired	boolean	Whether row-level security is defined inside the Power BI .pbix file. If so, you must specify a role.
IsInPlaceSharingEnabled	boolean	Whether the dataset can be shared with external users to be consumed in their own tenant
IsOnPremGatewayRequired	boolean	Whether the dataset requires an on-premises data gateway
IsRefreshable	boolean	This field returns <code>true</code> when the dataset is either recently refreshed or is configured for automatic refresh, with the connection mode specifically set to 'Import'. The value will return <code>false</code> for other connection modes, such as 'DirectQuery' and 'LiveConnection', regardless of whether the dataset is manually refreshed or is set up for automatic refresh.
QnaEmbedURL	string	The dataset Q&A embed URL
addRowsAPIEnabled	boolean	Whether the dataset allows adding new rows
configuredBy	string	The dataset owner
description	string	The dataset description
id	string	The dataset ID
name	string	The dataset name
queryScaleOutSettings	Dataset QueryScale OutSettings	Query scale-out settings of a dataset
targetStorageMode	string	The dataset storage mode
upstreamDataflows	Dependent Dataflow[]	The list of all the dataflows this item depends on
users	Dataset User[]	(Empty value) The dataset user access details. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI item (such as a report or a dashboard) by using the Get Dataset Users as Admin API, or the PostWorkspaceInfo API with the <code>getArtifactUsers</code> parameter.

webUrl	string	The web URL of the dataset
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DatasetMode

The dataset mode or type

[+] [Expand table](#)

Name	Type	Description
AsAzure	string	A dataset with a live connection to Azure Analysis Services
AsOnPrem	string	A dataset with a live connection to on-premises Azure Analysis Services
Push	string	A dataset that allows programmatic access for pushing data into Power BI
PushStreaming	string	A dataset that supports data streaming and allows programmatic access for pushing data into Power BI
Streaming	string	A dataset that supports data streaming. For more information, see Real-time streaming in Power BI .

DatasetQueryScaleOutSettings

Query scale-out settings of a dataset

[+] [Expand table](#)

Name	Type	Description
autoSyncReadOnlyReplicas	boolean	Whether the dataset automatically syncs read-only replicas
maxReadOnlyReplicas	integer	Maximum number of read-only replicas for the dataset (0-64, -1 for automatic number of replicas)

DatasetUser

A Power BI user access right entry for a dataset

[+] [Expand table](#)

Name	Type	Description
datasetUserAccessRight	DatasetUserAccessRight	The access right that the user has for the dataset (permission level)
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

DatasetUserAccessRight

The access right that the user has for the dataset (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	Removes permission to the content in the dataset
Read	string	Grants Read access to the content in the dataset
ReadExplore	string	Grants Read and Explore access to the content in the dataset
ReadReshare	string	Grants Read and Reshare access to the content in the dataset
ReadReshareExplore	string	Grants Read, Reshare, and Explore access to the content in the dataset
ReadWrite	string	Grants Read and Write access to the content in the dataset
ReadWriteExplore	string	Grants Read, Write, and Explore access to the content in the dataset

ReadWriteReshare	string	Grants Read, Write, and Reshare access to the content in the dataset
ReadWriteReshareExplore	string	Grants Read, Write, Reshare, and Explore access to the content in the dataset

Datasource

A Power BI data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[\[+\] Expand table](#)

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information

database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

DefaultRetentionPolicy

The default retention policy

[\[\] Expand table](#)

Name	Type	Description
None	string	None
basicFIFO	string	basicFIFO

DependentDataflow

A Power BI dependent dataflow

[\[\] Expand table](#)

Name	Type	Description
groupId	string	The target group ID
targetDataflowId	string	The target dataflow ID

Encryption

Encryption information for a dataset

[\[\] Expand table](#)

Name	Type	Description
EncryptionStatus	Encryption Status	Dataset encryption status

EncryptionStatus

Dataset encryption status

[\[+\] Expand table](#)

Name	Type	Description
InSyncWithWorkspace	string	Encryption is supported and is in sync with the encryption settings
NotInSyncWithWorkspace	string	Encryption is supported but isn't in sync with the encryption settings
NotSupported	string	Encryption isn't supported for this dataset
Unknown	string	The encryption status is unknown due to dataset corruption

Measure

A Power BI measure

[\[+\] Expand table](#)

Name	Type	Description
description	string	Optional. The measure description.
expression	string	A valid DAX expression
formatString	string	Optional. A string describing how the value should be formatted when it's displayed as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the measure is hidden.
name	string	The measure name

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Relationship

A relationship between tables in a dataset

[\[\] Expand table](#)

Name	Type	Default value	Description
crossFilteringBehavior	Cross Filtering Behavior	OneDirection	The filter direction of the relationship
fromColumn	string		The name of the foreign key column
fromTable	string		The name of the foreign key table
name	string		The relationship name and identifier
toColumn	string		The name of the primary key column
toTable	string		The name of the primary key table

Row

A data row in a dataset

[\[\] Expand table](#)

Name	Type	Description
id	string	The unique row ID

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Table

A dataset table

[+] [Expand table](#)

Name	Type	Description
columns	Column[]	The column schema for this table
description	string	The table description
isHidden	boolean	Optional. Whether this dataset table is hidden.
measures	Measure[]	The measures within this table
name	string	The table name
rows	Row[]	The data rows within this table
source	AS Mashup Expression[]	The table source

Push Datasets - Datasets PostRows

Reference

Service: Power BI REST APIs

API Version: v1.0

Adds new data rows to the specified table within the specified dataset from **My workspace**.

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**.

See [Power BI REST API limitations](#).

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/tables/{tableName}/rows`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
tableName	path	True	string	The table name

Request Body

[+] Expand table

Name	Type	Description

`rows` `object[]` An array of data rows pushed to a dataset table. Each element is a collection of properties represented using key-value format.

Responses

[+] Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/tables/Product/rows
```

Request Body

JSON

```
{
  "rows": [
    {
      "ProductID": 1,
      "Name": "Adjustable Race",
      "Category": "Components",
      "IsCompete": true,
      "ManufacturedOn": "07/30/2014"
    },
    {
      "ProductID": 2,
      "Name": "LL Crankarm",
      "Category": "Components",
      "IsCompete": true,
      "ManufacturedOn": "07/30/2014"
    },
    {
      "ProductID": 3,
      "Name": "HL Mountain Frame - Silver",
      "Category": "Components",
      "IsCompete": true,
      "ManufacturedOn": "07/30/2014"
    }
  ]
}
```

```
        "Category": "Bikes",
        "IsCompete": true,
        "ManufacturedOn": "07/30/2014"
    }
]
```

Sample response

Status code: 200

Definitions

PostRowsRequest

[Expand table](#)

Name	Type	Description
rows	object[]	An array of data rows pushed to a dataset table. Each element is a collection of properties represented using key-value format.

Push Datasets - Datasets PostRowsInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Adds new data rows to the specified table within the specified dataset from the specified workspace.

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**.

See [Power BI REST API limitations](#).

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/tables/{tableName}/rows</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID
tableName	path	True	string	The table name

Request Body

[+] Expand table

Name	Type	Description
rows	object[]	An array of data rows pushed to a dataset table. Each element is a collection of properties represented using key-value format.

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/tables/Product/rows
```

Request Body

JSON

```
{
  "rows": [
    {
      "ProductID": 1,
      "Name": "Adjustable Race",
      "Category": "Components",
      "IsCompete": true,
      "ManufacturedOn": "07/30/2014"
    },
    {
      "ProductID": 2,
      "Name": "LL Crankarm",
      "Category": "Components",
      "IsCompete": true,
      "ManufacturedOn": "07/30/2014"
    }
  ]
}
```

```
        "ManufacturedOn": "07/30/2014"
    },
    {
        "ProductID": 3,
        "Name": "HL Mountain Frame - Silver",
        "Category": "Bikes",
        "IsCompete": true,
        "ManufacturedOn": "07/30/2014"
    }
]
```

Sample response

Status code: 200

Definitions

PostRowsRequest

[+] Expand table

Name	Type	Description
rows	object[]	An array of data rows pushed to a dataset table. Each element is a collection of properties represented using key-value format.

Push Datasets - Datasets PutTable

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the metadata and schema for the specified table within the specified dataset from [My workspace](#).

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**.

HTTP

PUT

<https://api.powerbi.com/v1.0/myorg/datasets/{datasetId}/tables/{tableName}>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
tableName	path	True	string	The table name

Request Body

[+] Expand table

Name	Required	Type	Description
columns	True	Column[]	The column schema for this table

name	True	string	The table name
description		string	The table description
isHidden		boolean	Optional. Whether this dataset table is hidden.
measures		Measure[]	The measures within this table
rows		Row[]	The data rows within this table
source		ASMMashupExpression[]	The table source

Responses

[+] Expand table

Name	Type	Description
200 OK	Table	OK

Examples

Example

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/tables/Product
```

Request Body

JSON

```
{
  "name": "Product",
  "columns": [
    {
      "name": "ProductID",
      "dataType": "Int64"
    },
    {
      "name": "Name",
      "dataType": "string"
    }
  ]
}
```

```

},
{
  "name": "Category",
  "dataType": "string"
},
{
  "name": "IsCompete",
  "dataType": "bool"
},
{
  "name": "ManufacturedOn",
  "dataType": "DateTime"
},
{
  "name": "NewColumn",
  "dataType": "string"
}
]
}

```

Sample response

Status code: 200

JSON
<pre>{ "name": "Product" }</pre>

Definitions

[\[\] Expand table](#)

Name	Description
ASMashupExpression	A dataset table source
Column	A dataset column
Measure	A Power BI measure
Row	A data row in a dataset
Table	A dataset table

ASMashupExpression

A dataset table source

[\[+\] Expand table](#)

Name	Type	Description
expression	string	The source expression

Column

A dataset column

[\[+\] Expand table](#)

Name	Type	Description
dataCategory	string	Optional. The string value to be used for the data category which describes the data within this column.
dataType	string	The column data type
formatString	string	Optional. The format of the column as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the column is hidden. The default is <code>false</code> .
name	string	The column name
sortByColumn	string	Optional. String name of a column in the same table to be used to order the current column.
summarizeBy	string	Optional. The aggregate function to use for summarizing this column.

Measure

A Power BI measure

[\[+\] Expand table](#)

Name	Type	Description
description	string	Optional. The measure description.
expression	string	A valid DAX expression

formatString	string	Optional. A string describing how the value should be formatted when it's displayed as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the measure is hidden.
name	string	The measure name

Row

A data row in a dataset

[\[+\] Expand table](#)

Name	Type	Description
id	string	The unique row ID

Table

A dataset table

[\[+\] Expand table](#)

Name	Type	Description
columns	Column[]	The column schema for this table
description	string	The table description
isHidden	boolean	Optional. Whether this dataset table is hidden.
measures	Measure[]	The measures within this table
name	string	The table name
rows	Row[]	The data rows within this table
source	AS Mashup Expression[]	The table source

Push Datasets - Datasets

PutTableInGroup

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the metadata and schema for the specified table within the specified dataset from the specified workspace.

Required Scope

Dataset.ReadWrite.All

Limitations

This API call only supports **push datasets**.

HTTP

PUT

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/datasets/{datasetId}/tables/{tableName}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
datasetId	path	True	string	The dataset ID
groupId	path	True	string uuid	The workspace ID
tableName	path	True	string	The table name

Request Body

[\[\] Expand table](#)

Name	Required	Type	Description
columns	True	Column[]	The column schema for this table
name	True	string	The table name
description		string	The table description
isHidden		boolean	Optional. Whether this dataset table is hidden.
measures		Measure[]	The measures within this table
rows		Row[]	The data rows within this table
source		AS Mashup Expression[]	The table source

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK	Table	OK

Examples

Example

Sample request

HTTP

```
PUT https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/datasets/cfafbeb1-8037-4d0c-896e-a46fb27ff229/tables/Product
```

Request Body

JSON

```
{
  "name": "Product",
  "columns": [
    {
```

```

        "name": "ProductID",
        "dataType": "Int64"
    },
    {
        "name": "Name",
        "dataType": "string"
    },
    {
        "name": "Category",
        "dataType": "string"
    },
    {
        "name": "IsCompete",
        "dataType": "bool"
    },
    {
        "name": "ManufacturedOn",
        "dataType": "DateTime"
    },
    {
        "name": "NewColumn",
        "dataType": "string"
    }
]
}

```

Sample response

Status code: 200

JSON

```
{
    "name": "Product"
}
```

Definitions

 Expand table

Name	Description
AS Mashup Expression	A dataset table source
Column	A dataset column
Measure	A Power BI measure
Row	A data row in a dataset

Table

A dataset table

AS Mashup Expression

A dataset table source

[+] [Expand table](#)

Name	Type	Description
expression	string	The source expression

Column

A dataset column

[+] [Expand table](#)

Name	Type	Description
dataCategory	string	Optional. The string value to be used for the data category which describes the data within this column.
dataType	string	The column data type
formatString	string	Optional. The format of the column as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the column is hidden. The default is <code>false</code> .
name	string	The column name
sortByColumn	string	Optional. String name of a column in the same table to be used to order the current column.
summarizeBy	string	Optional. The aggregate function to use for summarizing this column.

Measure

A Power BI measure

[+] [Expand table](#)

Name	Type	Description

description	string	Optional. The measure description.
expression	string	A valid DAX expression
formatString	string	Optional. A string describing how the value should be formatted when it's displayed as specified in FORMAT_STRING .
isHidden	boolean	Optional. Whether the measure is hidden.
name	string	The measure name

Row

A data row in a dataset

[\[\] Expand table](#)

Name	Type	Description
id	string	The unique row ID

Table

A dataset table

[\[\] Expand table](#)

Name	Type	Description
columns	Column[]	The column schema for this table
description	string	The table description
isHidden	boolean	Optional. Whether this dataset table is hidden.
measures	Measure[]	The measures within this table
name	string	The table name
rows	Row[]	The data rows within this table
source	AS Mashup Expression[]	The table source

Reports

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Bind To Gateway	Binds the specified data source of the paginated report from My workspace to the specified gateway, optionally with a given data source ID. If you don't supply ...
Bind To Gateway In Group	Binds the specified data source of the paginated report from the specified workspace to the specified gateway, optionally with a given data source ID. If you do...
Clone Report	Clones the specified report from My workspace .
Clone Report In Group	Clones the specified report from the specified workspace.
Delete Report	Deletes the specified report from My workspace .
Delete Report In Group	Deletes the specified report from the specified workspace.
Export Report	Exports the specified report from My workspace to a Power BI .pbix or .rdl file.
Export Report In Group	Exports the specified report from the specified workspace to a Power BI .pbix or .rdl file.
Export To File	Exports the specified report from My workspace to the requested file format .
Export To File In Group	Exports the specified report from the specified workspace to the requested file format .
Get Datasources	Returns a list of data sources for the specified paginated report (RDL) from My workspace .
Get Datasources In Group	Returns a list of data sources for the specified paginated report (RDL) from the specified workspace.
Get Export To File Status	Returns the current status of the Export to File job for the specified report from My workspace .

Get Export To File Status In Group	Returns the current status of the Export to File In Group job for the specified report from the specified workspace.
Get File Of Export To File	Returns the file from the Export to File job for the specified report from My workspace .
Get File Of Export To File In Group	Returns the file from the Export to File In Group job for the specified report from the specified workspace.
Get Page	Returns the specified page within the specified report from My workspace .
Get Page In Group	Returns the specified page within the specified report from the specified workspace.
Get Pages	Returns a list of pages within the specified report from My workspace .
Get Pages In Group	Returns a list of pages within the specified report from the specified workspace.
Get Report	Returns the specified report from My workspace .
Get Report In Group	Returns the specified report from the specified workspace.
Get Reports	Returns a list of reports from My workspace .
Get Reports In Group	Returns a list of reports from the specified workspace.
Rebind Report	Rebinds the specified report from My workspace to the specified dataset.
Rebind Report In Group	Rebinds the specified report from the specified workspace to the specified dataset.
Take Over In Group	Transfers ownership of the data sources for the specified paginated report (RDL) to the current authorized user.
Update Datasources	Updates the data sources of the specified paginated report (RDL) from My workspace .
Update Datasources In Group	Updates the data sources of the specified paginated report (RDL) from the specified workspace.
Update Report Content	Updates the content of the specified report from My workspace with the content of a specified source report.
Update Report Content In Group	Updates the content of the specified report from the specified workspace with the content of a specified source report.

Reports - Bind To Gateway

Reference

Service: Power BI REST APIs

API Version: v1.0

Binds the specified data source of the paginated report from **My workspace** to the specified gateway, optionally with a given data source ID. If you don't supply a specific data source ID, the data source will be bound to the first matching data source in the gateway.

Permissions

This API call can be called by a service principal profile.

Required Delegated Scopes

Report.ReadWrite.All or Report.Read.All

Limitations

Only supports on-premises data gateway

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/reports/{reportId}/Default.BindToGateway</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Request Body

[Expand table](#)

Name	Required	Type	Description
bindDetails	True	RdlBindDetail[]	List of bind details
gatewayObjectId	True	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.

Responses

[Expand table](#)

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.BindToGateway
```

Request Body

JSON

```
{
  "gatewayObjectId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
  "bindDetails": [
    {
      "dataSourceName": "DataSource1",
      "dataSourceObjectId": "dc2f2dac-e5e2-4c37-af76-2a0bc10f16cb"
    },
    {
      "dataSourceName": "DataSource2",
      "dataSourceObjectId": "3bfe5d33-ab7d-4d24-b0b5-e2bb8eb01cf5"
    }
  ]
}
```

```
    ]  
}
```

Sample response

Status code: 200

Definitions

[\[\]](#) [Expand table](#)

Name	Description
RdlBindDetail	BindDetail for each data source in a paginated report
RdlBindToGatewayRequest	Paginated report bind data source to gateway request

RdlBindDetail

BindDetail for each data source in a paginated report

[\[\]](#) [Expand table](#)

Name	Type	Description
dataSourceName	string	Name of the data source in the paginated report
dataSourceObjectId	string	The unique identifier for the data source in the gateway

RdlBindToGatewayRequest

Paginated report bind data source to gateway request

[\[\]](#) [Expand table](#)

Name	Type	Description
bindDetails	RdlBindDetail[]	List of bind details
gatewayObjectId	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.

Reports - Bind To Gateway In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Binds the specified data source of the paginated report from the specified workspace to the specified gateway, optionally with a given data source ID. If you don't supply a specific data source ID, the data source will be bound to the first matching data source in the gateway.

Permissions

This API call can be called by a service principal profile.

Required Delegated Scopes

Workspace.Read.All or Workspace.ReadWrite.All

Limitations

Only supports the on-premises data gateway

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/Default.BindToGateway</code>

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Request Body

[+] Expand table

Name	Required	Type	Description
bindDetails	True	RdlBindDetail[]	List of bind details
gatewayObjectId	True	string	The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.

Responses

[+] Expand table

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.BindToGateway
```

Request Body

JSON

```
{
  "gatewayObjectId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
  "bindDetails": [
    {
      "dataSourceName": "DataSource1",
      "dataSourceObjectId": "dc2f2dac-e5e2-4c37-af76-2a0bc10f16cb"
    },
  ]}
```

```
{
  "dataSourceName": "DataSource2",
  "dataSourceObjectId": "3bfe5d33-ab7d-4d24-b0b5-e2bb8eb01cf5"
}
]
```

Sample response

Status code: 200

Definitions

[\[\] Expand table](#)

Name	Description
RdlBindDetail	BindDetail for each data source in a paginated report
RdlBindToGatewayRequest	Paginated report bind data source to gateway request

RdlBindDetail

BindDetail for each data source in a paginated report

[\[\] Expand table](#)

Name	Type	Description
dataSourceName	string	Name of the data source in the paginated report
dataSourceObjectId	string	The unique identifier for the data source in the gateway

RdlBindToGatewayRequest

Paginated report bind data source to gateway request

[\[\] Expand table](#)

Name	Type	Description
bindDetails	RdlBindDetail[]	List of bind details

gatewayObjectId string

The gateway ID. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.

Reports - Clone Report

Reference

Service: Power BI REST APIs

API Version: v1.0

Clones the specified report from **My workspace**.

If the dataset for a cloned report resides in two different workspaces or in **My workspace**, then a shared dataset will be created in the report's workspace.

When cloned, reports with a [live connection](#) will lose that connection and instead have a direct binding to the target dataset.

Permissions

The user must have all of the following, unless a requirement doesn't apply:

Write permission on the specified report.

Build permission on the target dataset, required if the `targetModelId` parameter is used.

Required Scope

Content.Create

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/reports/{reportId}/Clone
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
<code>reportId</code>	path	True	string uuid	The report ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
name	True	string	The new report name
targetModelId		string	Optional. Parameter for specifying the target associated dataset ID. If not provided, the new report will be associated with the same dataset as the source report.
targetWorkspaceId		string	Optional. Parameter for specifying the target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>) indicates My workspace . If this parameter isn't provided, the new report will be cloned within the same workspace as the source report.

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Report	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Clone
```

Request Body

JSON

```
{
  "name": "New Report Name",
  "targetModelId": "8e4d5880-81d6-4804-ab97-054665050799",
  "targetWorkspaceId": "2f42a406-a075-4a15-bbf2-97ef958c94cb"
}
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
CloneReportRequest	Power BI clone report request
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

CloneReportRequest

Power BI clone report request

[+] [Expand table](#)

Name	Type	Description
name	string	The new report name
targetModelId	string	Optional. Parameter for specifying the target associated dataset ID. If not provided, the new report will be associated with the same dataset as the source report.
targetWorkspaceId	string	Optional. Parameter for specifying the target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>)

indicates **My workspace**. If this parameter isn't provided, the new report will be cloned within the same workspace as the source report.

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.

reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)

artifactType	string	The type of Power BI item (for example a Report , Dashboard , or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.

identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Reports - Clone Report In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Clones the specified report from the specified workspace.

If the dataset for a cloned report resides in two different workspaces or in **My workspace**, then a shared dataset will be created in the report's workspace.

When cloned, reports with a [live connection](#) will lose that connection and instead have a direct binding to the target dataset.

Permissions

The user must have all of the following, unless a requirement doesn't apply:

- **Write** permission on the specified report.
- **Build** permission on the target dataset, required if the `targetModelId` parameter is used.

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Content.Create

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/Clone</code>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
<code>groupId</code>	path	True	string uuid	The workspace ID

reportId	path	True	string uuid	The report ID
-----------------	------	------	----------------	---------------

Request Body

[+] [Expand table](#)

Name	Required	Type	Description
name	True	string	The new report name
targetModelId		string	Optional. Parameter for specifying the target associated dataset ID. If not provided, the new report will be associated with the same dataset as the source report.
targetWorkspaceId		string	Optional. Parameter for specifying the target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>) indicates My workspace . If this parameter isn't provided, the new report will be cloned within the same workspace as the source report.

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Report	OK

Examples

Example

Sample request

HTTP
<code>POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Clone</code>

Request Body

JSON

```
{  
  "name": "New Report Name",  
  "targetModelId": "8e4d5880-81d6-4804-ab97-054665050799",  
  "targetWorkspaceId": "2f42a406-a075-4a15-bbf2-97ef958c94cb"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
CloneReportRequest	Power BI clone report request
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

CloneReportRequest

Power BI clone report request

[+] Expand table

Name	Type	Description
------	------	-------------

name	string	The new report name
targetModelId	string	Optional. Parameter for specifying the target associated dataset ID. If not provided, the new report will be associated with the same dataset as the source report.
targetWorkspaceId	string	Optional. Parameter for specifying the target workspace ID. An empty GUID (<code>00000000-0000-0000-0000-000000000000</code>) indicates My workspace . If this parameter isn't provided, the new report will be cloned within the same workspace as the source report.

PrincipalType

The principal type

[\[+\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[+\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID

isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type

profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Reports - Delete Report

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified report from **My workspace**.

Required Scope

Report.ReadWrite.All

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/reports/{reportId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/reports/5b218778-e7a5-4d73-8187-f10824047715
```

Sample response

Status code: 200

Reports - Delete Report In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes the specified report from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All

HTTP
DELETE
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description

200 OK

OK

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715
```

Sample response

Status code: 200

Reports - Export Report

Reference

Service: Power BI REST APIs

API Version: v1.0

Exports the specified report from **My workspace** to a Power BI .pbix or .rdl file.

For .pbix reports - As a [workaround](#) for timeout issues, set the `preferClientRouting` URL query parameter to `true`.

Large files are downloaded to a temporary blob. Their URL is returned in the response, and stored in the locally downloaded Power BI .pbix file.

For more information on requirements and limitations, see [Download a report from the Power BI service to Power BI Desktop](#).

ⓘ Note

Try-it feature is not supported for this API. See [Export Power BI Report](#) ↗ Powershell script for an example of how to use this API.

Required Scope

Report.ReadWrite.All or both Report.Read.All and Dataset.Read.All

Limitations

For .pbix report, after calling [Rebind Report](#), export of a report with a [Power BI service live connection](#) isn't supported.

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/{reportId}/Export
```

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
------	----	----------	------	-------------

reportId	path	True	string uuid	The report ID
-----------------	------	------	----------------	---------------

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	file	Exported File Media Types: "application/zip", "application/octet-stream"

Reports - Export Report In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Exports the specified report from the specified workspace to a Power BI .pbix or .rdl file.

For .pbix reports - You can set the `preferClientRouting` URL query parameter to `true` as a [workaround](#) for timeout issues.

Large files are downloaded to a temporary blob. Their URL is returned in the response and stored in the locally downloaded Power BI .pbix file.

For more information on requirements and limitations, see [Download a report from the Power BI service to Power BI Desktop](#).

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Note

Try-it feature is not supported for this API. See [Export Power BI Report ↗](#) Powershell script for an example of how to use this API.

Required Scope

Report.ReadWrite.All or both Report.Read.All and Dataset.Read.All

Limitations

For .pbix reports, exporting a report is subject to the same limitation as [downloading a report .pbix file](#).

After calling [Rebind Report](#), exporting a report with a [Power BI service live connection](#) isn't supported.

HTTP

```
GET  
https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/Export
```

With optional parameters:

HTTP

```
GET  
https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/Export?  
downloadType={downloadType}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID
downloadType	query		Download Type	The type of download. Valid values are LiveConnect and IncludeModel

Responses

[+] Expand table

Name	Type	Description
200 OK	file	Exported File Media Types: "application/zip", "application/octet-stream"

Definitions

DownloadType

The type of download. Valid values are LiveConnect and IncludeModel

[\[\] Expand table](#)

Name	Type	Description
IncludeModel	string	Export the report with the semantic model included.
LiveConnect	string	Export the report with a live connection to the semantic model.

Reports - Export To File

Reference

Service: Power BI REST APIs

API Version: v1.0

Exports the specified report from **My workspace** to the requested [file format](#).

The API is asynchronous. When the API is called, it triggers an export job. After triggering an export job, use [GetExportToFileStatus API](#) to track the job status. Read more about the entire flow: [Export Power BI reports](#) and [Export Paginated reports](#)

Required Scope

All of the following:

Report.ReadWrite.All or Report.Read.All
Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Check the limitations in [Export Power BI report to file](#) and [Export paginated report to file](#).

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/reports/{reportId}/ExportTo
```

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Request Body

[Expand table](#)

Name	Required	Type	Description
format	True	FileFormat	The requested format for the exported file
paginatedReportConfiguration		PaginatedReportExportConfiguration	The configuration used to export a paginated report
powerBIReportConfiguration		PowerBIReportExportConfiguration	The configuration used to export a Power BI report

Responses

[Expand table](#)

Name	Type	Description
202	Export	Accepted
Accepted		

Definitions

[Expand table](#)

Name	Description
EffectivIdentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
Export	An object describing the details and current state of an export to file job
ExportFilter	A filter to be applied during the export operation
ExportReportPage	A single page configuration for the export request
ExportReportRequest	The export to file request
ExportReportSettings	Export to file request settings
ExportState	The current state of the export to file job
FileFormat	The requested format for the exported file

IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL
PageBookmark	The bookmark to apply on a single page. Provide name or state, but not both.
PaginatedReportExportConfiguration	The export to file configuration for a paginated report
ParameterValue	Data contract for paginated report parameters
PowerBIReportExportConfiguration	The export to file configuration for a Power BI report

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[\[+\] Expand table](#)

Name	Type	Description
auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies
identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.
reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role can contain any character except , , and its length must not exceed 50 characters.
username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters . , - , _

`_`, `!`, `#`, `^`, `~`, `\``, `\`, `@`. For cloud models, the username can contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.

Export

An object describing the details and current state of an export to file job

[Expand table](#)

Name	Type	Description
ResourceFileExtension	string	The extension of the exported file
createdDateTime	string	The start date and time of the export to file job
expirationTime	string	The expiration date and time of the retrieval URL
id	string	The export to file job ID
lastActionDateTime	string	The date and time of the last change to the export to file job
percentComplete	integer	Job progress as a percentage
reportId	string	The ID of the exported report
reportName	string	The name of the exported report
resourceLocation	string	The retrieval URL for the exported file
status	ExportState	The current state of the export to file job

ExportFilter

A filter to be applied during the export operation

[Expand table](#)

Name	Type	Description
filter	string	The filter to apply. For information about the filter syntax, see Filter a report .

ExportReportPage

A single page configuration for the export request

[+] Expand table

Name	Type	Description
bookmark	Page Bookmark	The bookmark to apply on the page
pageName	string	The page name
visualName	string	The name of the visual to export. Specify a name, in case only a single visual from this page is exported.

ExportReportRequest

The export to file request

[+] Expand table

Name	Type	Description
format	FileFormat	The requested format for the exported file
paginatedReportConfiguration	Paginated ReportExport Configuration	The configuration used to export a paginated report
powerBIReportConfiguration	Power BIReport Export Configuration	The configuration used to export a Power BI report

ExportReportSettings

Export to file request settings

[+] Expand table

Name	Type	Description
includeHiddenPages	boolean	Whether to include hidden pages when exporting an entire report. If not provided, the default behavior is to exclude hidden pages. This property will be ignored when specific pages are exported.

locale	string	The locale to apply
--------	--------	---------------------

ExportState

The current state of the export to file job

[\[+\] Expand table](#)

Name	Type	Description
Failed	string	The export to file job failed
NotStarted	string	The export to file job didn't start
Running	string	The export to file job is running
Succeeded	string	The export to file job finished successfully
Undefined	string	The state of the export to file job is undefined

FileFormat

The requested format for the exported file

[\[+\] Expand table](#)

Name	Type	Description
ACCESSIBLEPDF	string	Accessible PDF (only supported for paginated reports)
CSV	string	CSV (only supported for paginated reports)
DOCX	string	Microsoft Word (only supported for paginated reports)
IMAGE	string	BMP, EMF, GIF, JPEG, PNG, or TIFF image formats (only supported for paginated reports)
MHTML	string	MHTML (only supported for paginated reports)
PDF	string	PDF
PNG	string	PNG (only supported for Power BI reports)
PPTX	string	Microsoft PowerPoint
XLSX	string	Microsoft Excel (only supported for paginated reports)
XML	string	XML (only supported for paginated reports)

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
value	string	An OAuth 2.0 access token for Azure SQL

PageBookmark

The bookmark to apply on a single page. Provide name or state, but not both.

[\[+\] Expand table](#)

Name	Type	Description
name	string	The bookmark name
state	string	The bookmark state

PaginatedReportExportConfiguration

The export to file configuration for a paginated report

[\[+\] Expand table](#)

Name	Type	Description
formatSettings	object	A dictionary of format settings. The keys are the device information property names for the requested file format.
identities	Effective Identity[]	The single identity to use when exporting a report. Required when a report uses a Power BI dataset or an Azure Analysis Services data source.
parameterValues	Parameter Value[]	A list of report parameters

ParameterValue

Data contract for paginated report parameters

[Expand table](#)

Name	Type	Description
name	string	The parameter name
value	string	The parameter value

PowerBIReportExportConfiguration

The export to file configuration for a Power BI report

[Expand table](#)

Name	Type	Description
datasetToBind	string	The dataset ID to export the report with. Only needed if exporting with a dataset other than the report's default dataset.
defaultBookmark	Page Bookmark	A default bookmark to apply on all pages that don't have a specific bookmark
identities	Effective Identity[]	A list of identities to use for row-level security rules
pages	Export Report Page[]	A list of pages to export and their properties. The same page may appear more than once with different visuals.
reportLevelFilters	Export Filter[]	A list of report level filters to apply. Currently, only one filter is supported.
settings	Export Report Settings	The settings to be applied for the export to file job

Reports - Export To File In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Exports the specified report from the specified workspace to the requested [file format](#).

The API is asynchronous. When the API is called, it triggers an export job. After triggering an export job, use [GetExportToFileStatus API](#) to track the job status. Read more about the entire flow: [Export Power BI reports](#) and [Export Paginated reports](#)

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

All of the following:

Report.ReadWrite.All or Report.Read.All
Dataset.ReadWrite.All or Dataset.Read.All

Limitations

Check the limitations in [Export Power BI report to file](#) and [Export paginated report to file](#).

HTTP
<p>POST https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/ExportTo</p>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
format	True	FileFormat	The requested format for the exported file
paginatedReportConfiguration		PaginatedReport ExportConfiguration	The configuration used to export a paginated report
powerBIReportConfiguration		PowerBIReportExport Configuration	The configuration used to export a Power BI report

Responses

[\[+\] Expand table](#)

Name	Type	Description
202	Export	Accepted
Accepted		

Definitions

[\[+\] Expand table](#)

Name	Description
Effectivedentity	Defines the user identity and roles. For more information, see Row-level security with Power BI Embedded .
Export	An object describing the details and current state of an export to file job

ExportFilter	A filter to be applied during the export operation
ExportReportPage	A single page configuration for the export request
ExportReportRequest	The export to file request
ExportReportSettings	Export to file request settings
ExportState	The current state of the export to file job
FileFormat	The requested format for the exported file
IdentityBlob	A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL
PageBookmark	The bookmark to apply on a single page. Provide name or state, but not both.
PaginatedReportExport Configuration	The export to file configuration for a paginated report
ParameterValue	Data contract for paginated report parameters
PowerBIReportExport Configuration	The export to file configuration for a Power BI report

Effectiveldentity

Defines the user identity and roles. For more information, see [Row-level security with Power BI Embedded](#).

[+] [Expand table](#)

Name	Type	Description
auditableContext	string	The Effectiveldentity auditable context. If this parameter is provided and isn't empty, it will enable auditing of the Effectiveldentity and its value will be set to the username in the audit record. Otherwise, the Effectiveldentity context will be omitted from the GenerateToken audit record.
customData	string	Custom data that's used to apply row-level security rules. Supported for live connection to Azure Analysis Services models and cloud models only.
datasets	string[]	An array of datasets for which this identity applies
identityBlob	IdentityBlob	A blob that specifies an identity . Only supported for datasets with a DirectQuery connection to Azure SQL.

reports	string[]	An array of reports for which this identity applies. Only supported for paginated reports.
roles	string[]	An array of row-level security (RLS) roles within a token that applies RLS rules. An identity can contain up to 50 roles. A role can contain any character except , , and its length must not exceed 50 characters.
username	string	The effective username within a token that applies row-level security rules. For an on-premises model, the username can contain alphanumeric or any of the following characters . , - , _ , ! , # , ^ , ~ , \\ , @. For cloud models, the username can contain any ASCII character. For either model, the username length must not exceed 256 characters, and the username shouldn't contain spaces.

Export

An object describing the details and current state of an export to file job

[Expand table](#)

Name	Type	Description
ResourceFileExtension	string	The extension of the exported file
createdDateTime	string	The start date and time of the export to file job
expirationTime	string	The expiration date and time of the retrieval URL
id	string	The export to file job ID
lastActionDateTime	string	The date and time of the last change to the export to file job
percentComplete	integer	Job progress as a percentage
reportId	string	The ID of the exported report
reportName	string	The name of the exported report
resourceLocation	string	The retrieval URL for the exported file
status	ExportState	The current state of the export to file job

ExportFilter

A filter to be applied during the export operation

[\[+\] Expand table](#)

Name	Type	Description
filter	string	The filter to apply. For information about the filter syntax, see Filter a report .

ExportReportPage

A single page configuration for the export request

[\[+\] Expand table](#)

Name	Type	Description
bookmark	Page Bookmark	The bookmark to apply on the page
pageName	string	The page name
visualName	string	The name of the visual to export. Specify a name, in case only a single visual from this page is exported.

ExportReportRequest

The export to file request

[\[+\] Expand table](#)

Name	Type	Description
format	FileFormat	The requested format for the exported file
paginatedReportConfiguration	Paginated ReportExport Configuration	The configuration used to export a paginated report
powerBIReportConfiguration	Power BIReport Export Configuration	The configuration used to export a Power BI report

ExportReportSettings

Export to file request settings

[\[\] Expand table](#)

Name	Type	Description
includeHiddenPages	boolean	Whether to include hidden pages when exporting an entire report. If not provided, the default behavior is to exclude hidden pages. This property will be ignored when specific pages are exported.
locale	string	The locale to apply

ExportState

The current state of the export to file job

[\[\] Expand table](#)

Name	Type	Description
Failed	string	The export to file job failed
NotStarted	string	The export to file job didn't start
Running	string	The export to file job is running
Succeeded	string	The export to file job finished successfully
Undefined	string	The state of the export to file job is undefined

FileFormat

The requested format for the exported file

[\[\] Expand table](#)

Name	Type	Description
ACCESSIBLEPDF	string	Accessible PDF (only supported for paginated reports)
CSV	string	CSV (only supported for paginated reports)
DOCX	string	Microsoft Word (only supported for paginated reports)
IMAGE	string	BMP, EMF, GIF, JPEG, PNG, or TIFF image formats (only supported for paginated reports)
MHTML	string	MHTML (only supported for paginated reports)

PDF	string	PDF
PNG	string	PNG (only supported for Power BI reports)
PPTX	string	Microsoft PowerPoint
XLSX	string	Microsoft Excel (only supported for paginated reports)
XML	string	XML (only supported for paginated reports)

IdentityBlob

A blob for specifying an identity. Only supported for datasets with a DirectQuery connection to Azure SQL

[\[+\] Expand table](#)

Name	Type	Description
value	string	An OAuth 2.0 access token for Azure SQL

PageBookmark

The bookmark to apply on a single page. Provide name or state, but not both.

[\[+\] Expand table](#)

Name	Type	Description
name	string	The bookmark name
state	string	The bookmark state

PaginatedReportExportConfiguration

The export to file configuration for a paginated report

[\[+\] Expand table](#)

Name	Type	Description
formatSettings	object	A dictionary of format settings. The keys are the device information property names for the requested file format.

identities	Effective Identity[]	The single identity to use when exporting a report. Required when a report uses a Power BI dataset or an Azure Analysis Services data source.
parameterValues	Parameter Value[]	A list of report parameters

ParameterValue

Data contract for paginated report parameters

[Expand table](#)

Name	Type	Description
name	string	The parameter name
value	string	The parameter value

PowerBIReportExportConfiguration

The export to file configuration for a Power BI report

[Expand table](#)

Name	Type	Description
datasetToBind	string	The dataset ID to export the report with. Only needed if exporting with a dataset other than the report's default dataset.
defaultBookmark	Page Bookmark	A default bookmark to apply on all pages that don't have a specific bookmark
identities	Effective Identity[]	A list of identities to use for row-level security rules
pages	Export Report Page[]	A list of pages to export and their properties. The same page may appear more than once with different visuals.
reportLevelFilters	Export Filter[]	A list of report level filters to apply. Currently, only one filter is supported.
settings	Export Report Settings	The settings to be applied for the export to file job

Reports - Get Datasources

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources for the specified paginated report (RDL) from **My workspace**.

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/{reportId}/datasources
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff228/datasources
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "name": "MyDatasource",  
      "datasourceType": "AnalysisServices",  
      "datasourceId": "f8c56590-43cb-43bf-8daa-233ba2520f51",  
      "gatewayId": "1f69e798-5852-4fdd-ab01-33bb14b6e931",  
      "connectionDetails": {  
        "server": "My-As-Server",  
        "database": "My-As-Database"  
      }  
    }  
  ]  
}
```

Definitions

[] Expand table

Name	Description
Datasource	A Power BI data source
DatasourceConnection Details	The Power BI data source connection details. See examples in Get Datasources or Get Datasources In Group .
Datasources	The OData response wrapper for a Power BI data source collection

Datasource

A Power BI data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[\[+\] Expand table](#)

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database
domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server

url	string	The connection URL
-----	--------	--------------------

Datasources

The OData response wrapper for a Power BI data source collection

[\[\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Datasource[]	The data source collection

Reports - Get Datasources In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of data sources for the specified paginated report (RDL) from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/datasources`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	

Responses

[+] Expand table

Name	Type	Description
200 OK	Datasources	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/datasources
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasourceType": "AnalysisServices",
      "datasourceId": "f8c56590-43cb-43bf-8daa-233ba2520f55",
      "gatewayId": "1f69e798-5852-4fdd-ab01-33bb14b6e934",
      "connectionDetails": {
        "server": "My-As-Server",
        "database": "My-As-Database"
      }
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Datasource	A Power BI data source
DatasourceConnection	The Power BI data source connection details. See examples in Get

Details	Datasources or Get Datasources In Group .
Datasources	The OData response wrapper for a Power BI data source collection

Datasource

A Power BI data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	Datasource Connection Details	The data source connection details
connectionString	string	(Deprecated) The data source connection string. Available only for DirectQuery.
datasourceId	string	The bound data source ID, which is empty when not bound to a gateway
datasourceType	string	The data source type
gatewayId	string	The bound gateway ID, which is empty when not bound to a gateway. When using a gateway cluster, the gateway ID refers to the primary (first) gateway in the cluster and is similar to the gateway cluster ID.
name	string	(Deprecated) The data source name. Available only for DirectQuery.

DatasourceConnectionDetails

The Power BI data source connection details. See examples in [Get Datasources](#) or [Get Datasources In Group](#).

[\[+\] Expand table](#)

Name	Type	Description
account	string	The connection account
classInfo	string	The connection class information
database	string	The connection database

domain	string	The connection domain
emailAddress	string	The connection email address
kind	string	The connection kind
loginServer	string	The connection login server
path	string	The connection path
server	string	The connection server
url	string	The connection URL

Datasources

The OData response wrapper for a Power BI data source collection

[\[+\] Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Datasource[]	The data source collection

Reports - Get Export To File Status

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the current status of the [Export to File](#) job for the specified report from **My workspace**.

When the export job status is 'Succeeded' use the [GetFileOfExportToFile API](#) to retrieve the file.

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

GET `https://api.powerbi.com/v1.0/myorg/reports/{reportId}/exports/{exportId}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
exportId	path	True	string	The export ID
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Export	OK
202	Export	Accepted

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/{reportId}/exports/{exportId}
```

Sample response

Status code: 200

JSON

```
{
  "id": "Mi9C5419i....PS4=",
  "createdDateTime": "2021-12-08T10:26:09.3069086Z",
  "lastActionDateTime": "2021-12-08T10:26:38.016851Z",
  "reportId": "cad51cfa-e740-324f-acbb-8ca43c40a2d4",
  "reportName": "Report name",
  "status": "Succeeded",
  "percentComplete": 100,
  "resourceLocation": "...Mi9C5419i....PS4=/file",
  "resourceFileExtension": ".pptx",
  "expirationTime": "2021-12-09T10:26:11.586756Z"
}
```

Definitions

[] Expand table

Name	Description
Export	An object describing the details and current state of an export to file job
ExportState	The current state of the export to file job

Export

An object describing the details and current state of an export to file job

[\[\] Expand table](#)

Name	Type	Description
ResourceFileExtension	string	The extension of the exported file
createdDateTime	string	The start date and time of the export to file job
expirationTime	string	The expiration date and time of the retrieval URL
id	string	The export to file job ID
lastActionDateTime	string	The date and time of the last change to the export to file job
percentComplete	integer	Job progress as a percentage
reportId	string	The ID of the exported report
reportName	string	The name of the exported report
resourceLocation	string	The retrieval URL for the exported file
status	ExportState	The current state of the export to file job

ExportState

The current state of the export to file job

[\[\] Expand table](#)

Name	Type	Description
Failed	string	The export to file job failed
NotStarted	string	The export to file job didn't start
Running	string	The export to file job is running
Succeeded	string	The export to file job finished successfully
Undefined	string	The state of the export to file job is undefined

Reports - Get Export To File Status In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the current status of the [Export to File In Group](#) job for the specified report from the specified workspace.

When the export job status is 'Succeeded' use the [GetFileOfExportToFile API](#) to retrieve the file.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP
<pre>GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/exports/{exportId}</pre>

URI Parameters

[+] [Expand table](#)

Name	In	Required	Type	Description
exportId	path	True	string	The export ID
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string	The report ID

Responses

[Expand table](#)

Name	Type	Description
200 OK	Export	OK
202 Accepted	Export	Accepted

Examples

Example

Sample request

HTTP

```
GET
https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/exports/{exportId}
```

Sample response

Status code: 200

JSON

```
{
  "id": "Mi9C5419i....PS4=",
  "createdDateTime": "2021-12-08T10:26:09.3069086Z",
  "lastActionDateTime": "2021-12-08T10:26:38.016851Z",
  "reportId": "cad51cfa-e740-324f-acbb-8ca43c40a2d4",
  "reportName": "Report name",
  "status": "Succeeded",
  "percentComplete": 100,
  "resourceLocation": "...Mi9C5419i....PS4=/file",
  "resourceFileExtension": ".pptx",
  "expirationTime": "2021-12-09T10:26:11.586756Z"
}
```

Definitions

[+] [Expand table](#)

Name	Description
Export	An object describing the details and current state of an export to file job
ExportState	The current state of the export to file job

Export

An object describing the details and current state of an export to file job

[+] [Expand table](#)

Name	Type	Description
ResourceFileExtension	string	The extension of the exported file
createdDateTime	string	The start date and time of the export to file job
expirationTime	string	The expiration date and time of the retrieval URL
id	string	The export to file job ID
lastActionDateTime	string	The date and time of the last change to the export to file job
percentComplete	integer	Job progress as a percentage
reportId	string	The ID of the exported report
reportName	string	The name of the exported report
resourceLocation	string	The retrieval URL for the exported file
status	ExportState	The current state of the export to file job

ExportState

The current state of the export to file job

[+] [Expand table](#)

Name	Type	Description

Failed	string	The export to file job failed
NotStarted	string	The export to file job didn't start
Running	string	The export to file job is running
Succeeded	string	The export to file job finished successfully
Undefined	string	The state of the export to file job is undefined

Reports - Get File Of Export To File

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the file from the [Export to File](#) job for the specified report from **My workspace**.

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/reports/{reportId}/exports/{exportId}/file`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
exportId	path	True	string	The export ID
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description
200 OK	file	The exported file Media Types: "application/*", "image/*", "text/csv", "text/xml", "multipart/related"

Reports - Get File Of Export To File In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the file from the [Export to File In Group](#) job for the specified report from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/exports/{exportId}/file</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
exportId	path	True	string	The export ID
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Responses

 [Expand table](#)

Name	Type	Description
200 OK	file	<p>The exported file</p> <p>Media Types: "application/*", "image/*", "text/csv", "text/xml", "multipart/related"</p>

Reports - Get Page

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified page within the specified report from **My workspace**.

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/{reportId}/pages/{pageName}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
pageName	path	True	string	The page name
reportId	path	True	string uuid	The report ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Page	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/879445d6-3a9e-4a74-b5ae-7c0ddabf0f11/pages/ReportSection
```

Sample response

Status code: 200

JSON

```
{  
  "displayName": "Regional Sales Analysis",  
  "name": "ReportSection",  
  "order": "0"  
}
```

Definitions

Page

A Power BI report page

[+] Expand table

Name	Type	Description
displayName	string	The display name of the report page
name	string	The name of the report page
order	integer	The order of the report page

Reports - Get Page In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified page within the specified report from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/pages/{pageName}</code>

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
pageName	path	True	string	The page name
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description
200 OK	Page	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/879445d6-3a9e-4a74-b5ae-7c0ddabf0f11/pages/ReportSection
```

Sample response

Status code: 200

JSON

```
{  
  "displayName": "Regional Sales Analysis",  
  "name": "ReportSection",  
  "order": "0"  
}
```

Definitions

Page

A Power BI report page

[+] Expand table

Name	Type	Description
displayName	string	The display name of the report page
name	string	The name of the report page

order

integer

The order of the report page

Reports - Get Pages

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of pages within the specified report from **My workspace**.

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/{reportId}/pages
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Pages	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/879445d6-3a9e-4a74-b5ae-7c0ddabf0f11/pages
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "displayName": "Regional Sales Analysis",
      "name": "ReportSection",
      "order": "0"
    },
    {
      "displayName": "Geographic Analysis",
      "name": "ReportSection1",
      "order": "1"
    }
  ]
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
Page	A Power BI report page
Pages	The OData response wrapper for a Power BI page collection

Page

A Power BI report page

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The display name of the report page

name	string	The name of the report page
order	integer	The order of the report page

Pages

The OData response wrapper for a Power BI page collection

[Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Page[]	The page collection

Reports - Get Pages In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of pages within the specified report from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP
GET
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/pages</code>

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description

200 OK

Pages

OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/879445d6-3a9e-4a74-b5ae-7c0ddabf0f11/pages
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "displayName": "Regional Sales Analysis",
      "name": "ReportSection",
      "order": "0"
    },
    {
      "displayName": "Geographic Analysis",
      "name": "ReportSection1",
      "order": "1"
    }
  ]
}
```

Definitions

[] Expand table

Name	Description
Page	A Power BI report page
Pages	The OData response wrapper for a Power BI page collection

Page

A Power BI report page

[Expand table](#)

Name	Type	Description
displayName	string	The display name of the report page
name	string	The name of the report page
order	integer	The order of the report page

Pages

The OData response wrapper for a Power BI page collection

[Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Page[]	The page collection

Reports - Get Report

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified report from **My workspace**.

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/{reportId}
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK	Report	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports/5b218778-e7a5-4d73-8187-f10824047715
```

Sample response

Status code: 200

JSON

```
{  
  "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
  "id": "5b218778-e7a5-4d73-8187-f10824047715",  
  "name": "SalesMarketing",  
  "webUrl": "https://app.powerbi.com/reports/5b218778-e7a5-4d73-8187-f10824047715",  
  "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715"  
}
```

Definitions

[+] Expand table

Name	Description
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] Expand table

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be

removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the [Get Report Subscriptions as Admin](#) API call.

users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription

frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Profile

userType	string	Type of the user.
----------	--------	-------------------

Reports - Get Report In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns the specified report from the specified workspace.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Responses

[+] Expand table

Name	Type	Description

200 OK

[Report](#)

OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715
```

Sample response

Status code: 200

JSON

```
{
  "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
  "id": "5b218778-e7a5-4d73-8187-f10824047715",
  "name": "SalesMarketing",
  "webUrl": "https://app.powerbi.com/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715",
  "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48"
}
```

Definitions

[\[\] Expand table](#)

Name	Description
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report

ReportUser	The access right that the user has for the report (permission level)
AccessRight	
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
Subscription User	A Power BI email subscription user

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] [Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID

isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[\[\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type

profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Reports - Get Reports

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of reports from **My workspace**.

This API also returns shared reports and reports from shared apps. Reports that reside in shared workspaces can be accessed using the [Get Reports In Group API](#).

Since paginated reports (RDL) don't have a dataset, the dataset ID value in the API response for paginated reports isn't displayed.

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports
```

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	Reports	OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/reports
```

Sample response

Status code: 200

JSON

```
{  
  "value": [  
    {  
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",  
      "id": "5b218778-e7a5-4d73-8187-f10824047715",  
      "name": "SalesMarketing",  
      "webUrl": "https://app.powerbi.com/reports/5b218778-e7a5-4d73-8187-  
f10824047715",  
      "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-  
e7a5-4d73-8187-f10824047715"  
    }  
  ]  
}
```

Definitions

[+] Expand table

Name	Description
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
Reports	The OData response wrapper for a Power BI report collection
ReportUser	A Power BI user access right entry for a report
ReportUser AccessRight	The access right that the user has for the report (permission level)
ServicePrincipal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
Subscription User	A Power BI email subscription user

PrincipalType

The principal type

[+] Expand table

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] Expand table

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be

removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the [Get Report Subscriptions as Admin](#) API call.

users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

Reports

The OData response wrapper for a Power BI report collection

[+] [Expand table](#)

Name	Type	Description
odata.context	string	OData context
value	Report[]	The report collection

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .

Profile

reportUserAccessRight	ReportUserAccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] [Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a <code>Report</code> , <code>Dashboard</code> , or <code>Dataset</code>)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[\[+\] Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Reports - Get Reports In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of reports from the specified workspace.

Since paginated reports (RDL) don't have a dataset, the dataset ID value in the API response for paginated reports isn't displayed.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All or Report.Read.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports
```

URI Parameters

[\[+\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID

Responses

[\[+\] Expand table](#)

Name	Type	Description
------	------	-------------

200 OK

Reports

OK

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports
```

Sample response

Status code: 200

JSON

```
{
  "value": [
    {
      "datasetId": "cfafbeb1-8037-4d0c-896e-a46fb27ff229",
      "id": "5b218778-e7a5-4d73-8187-f10824047715",
      "name": "SalesMarketing",
      "webUrl": "https://app.powerbi.com/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715",
      "embedUrl": "https://app.powerbi.com/reportEmbed?reportId=5b218778-e7a5-4d73-8187-f10824047715&groupId=f089354e-8366-4e18-aea3-4cb4a3a50b48"
    }
  ]
}
```

Definitions

[\[\] Expand table](#)

Name	Description
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

Reports	The OData response wrapper for a Power BI report collection
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description

embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

Reports

The OData response wrapper for a Power BI report collection

[\[\]](#) Expand table

Name	Type	Description
odata.context	string	OData context
value	Report[]	The report collection

ReportUser

A Power BI user access right entry for a report

[Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report , Dashboard , or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.

title	string	The app name
users	Subscription User[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

Reports - Rebind Report

Reference

Service: Power BI REST APIs

API Version: v1.0

Rebinds the specified report from **My workspace** to the specified dataset.

If the specified dataset resides in a different workspace than the report, then a shared dataset will be created in **My workspace**.

On rebinding, reports with a [live connection](#) will lose that connection and instead have a direct binding to the target dataset.

Permissions

The user must have all of the following:

Write permission on the specified report.

Build permission on the target dataset.

Required Scope

Report.ReadWrite.All

HTTP

`POST https://api.powerbi.com/v1.0/myorg/reports/{reportId}/Rebind`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Request Body

[Expand table](#)

Name	Required	Type	Description
datasetId	True	string	The new dataset for the rebound report. If the dataset resides in a different workspace than the report, a shared dataset will be created in the report's workspace.

Responses

[Expand table](#)

Name	Type	Description
200 OK		OK

Definitions

RebindReportRequest

Power BI rebind report request

[Expand table](#)

Name	Type	Description
datasetId	string	The new dataset for the rebound report. If the dataset resides in a different workspace than the report, a shared dataset will be created in the report's workspace.

Reports - Rebind Report In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Rebinds the specified report from the specified workspace to the specified dataset.

If the specified dataset resides in a different workspace than the report or in **My workspace**, then a shared dataset will be created in the report's workspace.

On rebinding, reports with a [live connection](#) will lose that connection and instead have a direct binding to the target dataset.

Permissions

The user must have all of the following:

- **Write** permission on the specified report.
- **Build** permission on the target dataset.

This API call can be called by a service principal profile. For more information see:

[Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All

Limitations

Paginated reports are not supported.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/Rebind`

URI Parameters

[] [Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Request Body

[\[+\] Expand table](#)

Name	Required	Type	Description
datasetId	True	string	The new dataset for the rebound report. If the dataset resides in a different workspace than the report, a shared dataset will be created in the report's workspace.

Responses

[\[+\] Expand table](#)

Name	Type	Description
200 OK		OK

Definitions

RebindReportRequest

Power BI rebind report request

[\[+\] Expand table](#)

Name	Type	Description
datasetId	string	The new dataset for the rebound report. If the dataset resides in a different workspace than the report, a shared dataset will be created in the report's workspace.

Reports - Take Over In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Transfers ownership of the data sources for the specified paginated report (RDL) to the current authorized user.

Permissions

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All

Limitations

Only supports paginated reports.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/Default.TakeOver`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Responses

 Expand table

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.TakeOver
```

Sample response

Status code: 200

Reports - Update Datasources

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the data sources of the specified paginated report (RDL) from **My workspace**.

ⓘ Important

Both the original data source and the new data source must have the exact same schema.

Permissions

The user must be the data source owner.

Required Scope

Reports.ReadWrite.All

Limitations

Only supports paginated reports.

Changing the data source type isn't supported.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/reports/{reportId}/Default.UpdateDatasources`

URI Parameters

[] Expand table

Name	In	Required	Type	Description
------	----	----------	------	-------------

reportId	path	True	string uuid	The report ID
-----------------	------	------	----------------	---------------

Request Body

[+] [Expand table](#)

Name	Required	Type	Description
updateDetails	True	UpdateRdlDatasourceDetails[]	The update details for the data sources of the paginated report

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP
<code>POST https://api.powerbi.com/v1.0/myorg/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.UpdateDatasources</code>

Request Body

JSON
<pre>{ "updateDetails": [{ "datasourceName": "SqlDatasource", "connectionDetails": { "server": "New-Sql-Server", "database": "New-Sql-Database" } }] }</pre>

```

        }
    },
{
    "datasourceName": "SqlAzureDatasource",
    "connectionDetails": {
        "server": "New-SqlAzure-Server.windows.net",
        "database": "New-SqlAzure-Database"
    }
}
]
}

```

Sample response

Status code: 200

Definitions

[\[+\] Expand table](#)

Name	Description
RdlDatasourceConnectionDetails	The connection details for a paginated report data source
UpdateRdlDatasourceDetails	Update details for a paginated report data source
UpdateRdlDatasourcesRequest	A request to update the data sources of a paginated report

RdlDatasourceConnectionDetails

The connection details for a paginated report data source

[\[+\] Expand table](#)

Name	Type	Description
database	string	The connection database
server	string	The connection server

UpdateRdlDatasourceDetails

Update details for a paginated report data source

[\[+\] Expand table](#)

Name	Type	Description
connectionDetails	Rdl Datasource Connection Details	The new connection details for the paginated report data source
datasourceName	string	The name of the paginated report data source

UpdateRdlDatasourcesRequest

A request to update the data sources of a paginated report

[\[+\] Expand table](#)

Name	Type	Description
updateDetails	UpdateRdl Datasource Details[]	The update details for the data sources of the paginated report

Reports - Update Datasources In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the data sources of the specified paginated report (RDL) from the specified workspace.

ⓘ Important

Both the original data source and the new data source must have the exact same schema.

Permissions

The user must be the data source owner.

This API call can be called by a service principal profile. For more information see:
[Service principal profiles in Power BI Embedded](#).

Required Scope

Reports.ReadWrite.All

Limitations

Only supports paginated reports.

Changing the data source type isn't supported.

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/Default.UpdateDatasources`

URI Parameters

[\[\] Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Request Body

[\[\] Expand table](#)

Name	Required	Type	Description
updateDetails	True	UpdateRdlDatasource Details[]	The update details for the data sources of the paginated report

Responses

[\[\] Expand table](#)

Name	Type	Description
200 OK		OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/cfafbeb1-8037-4d0c-896e-a46fb27ff229/Default.UpdateDatasources
```

Request Body

JSON

```
{
  "updateDetails": [
    {
      "datasourceName": "SqlDatasource",
      "connectionDetails": {
        "server": "New-Sql-Server",
        "database": "New-Sql-Database"
      }
    },
    {
      "datasourceName": "SqlAzureDatasource",
      "connectionDetails": {
        "server": "New-SqlAzure-Server.windows.net",
        "database": "New-SqlAzure-Database"
      }
    }
  ]
}
```

Sample response

Status code: 200

Definitions

[\[\] Expand table](#)

Name	Description
RdlDatasourceConnectionDetails	The connection details for a paginated report data source
UpdateRdlDatasourceDetails	Update details for a paginated report data source
UpdateRdlDatasourcesRequest	A request to update the data sources of a paginated report

RdlDatasourceConnectionDetails

The connection details for a paginated report data source

[\[\] Expand table](#)

Name	Type	Description
database	string	The connection database
server	string	The connection server

UpdateRdlDatasourceDetails

Update details for a paginated report data source

[+] Expand table

Name	Type	Description
connectionDetails	Rdl Datasource Connection Details	The new connection details for the paginated report data source
datasourceName	string	The name of the paginated report data source

UpdateRdlDatasourcesRequest

A request to update the data sources of a paginated report

[+] Expand table

Name	Type	Description
updateDetails	UpdateRdl Datasource Details[]	The update details for the data sources of the paginated report

Reports - Update Report Content

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the content of the specified report from **My workspace** with the content of a specified source report.

Specify the source report in the request body.

Required Scope

Report.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/reports/{reportId}/UpdateReportContent`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
reportId	path	True	string uuid	The report ID

Request Body

[+] Expand table

Name	Required	Type	Description
sourceReport	True	SourceReport	An existing source report
sourceType	True	sourceType	The source type of the content update

Responses

[+] Expand table

Name	Type	Description
200 OK	Report	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/reports/5b218778-e7a5-4d73-8187-f10824047715/UpdateReportContent
```

Request Body

JSON

```
{  
  "sourceReport": {  
    "sourceReportId": "8e4d5880-81d6-4804-ab97-054665050799",  
    "sourceWorkspaceId": "2f42a406-a075-4a15-bbf2-97ef958c94cb"  
  },  
  "sourceType": "ExistingReport"  
}
```

Sample response

Status code: 200

Definitions

[+] Expand table

Name	Description
PrincipalType	The principal type

Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
SourceReport	An existing source report
sourceType	The source type of the content update
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user
UpdateReportContentRequest	A Power BI request to update the content of a report

PrincipalType

The principal type

[\[\] Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.
User	string	User principal type

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[\[\] Expand table](#)

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal

emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
reportUserAccessRight	ReportUser AccessRight	The access right that the user has for the report (permission level)
userType	string	Type of the user.

ReportUserAccessRight

The access right that the user has for the report (permission level)

[\[+\] Expand table](#)

Name	Type	Description
None	string	No permission to content in report
Owner	string	Grants Read, Write and Reshare access to content in report
Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[\[+\] Expand table](#)

Name	Type	Description

displayName	string	The service principal profile name
id	string	The service principal profile ID

SourceReport

An existing source report

[\[+\] Expand table](#)

Name	Type	Description
sourceReportId	string	The source report ID
sourceWorkspaceId	string	The source workspace ID

sourceType

The source type of the content update

[\[+\] Expand table](#)

Name	Type	Description
ExistingReport	string	Use an existing report as the source of the content used to update a target report

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[\[+\] Expand table](#)

Name	Type	Description
artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription

endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] [Expand table](#)

Name	Type	Description
displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type

profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

UpdateReportContentRequest

A Power BI request to update the content of a report

[+] [Expand table](#)

Name	Type	Description
sourceReport	Source Report	An existing source report
sourceType	sourceType	The source type of the content update

Reports - Update Report Content In Group

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates the content of the specified report from the specified workspace with the content of a specified source report.

Specify the source report in the request body.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Report.ReadWrite.All

HTTP
POST
<code>https://api.powerbi.com/v1.0/myorg/groups/{groupId}/reports/{reportId}/UpdateReportContent</code>

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The workspace ID
reportId	path	True	string uuid	The report ID

Request Body

[+] Expand table

Name	Required	Type	Description
sourceReport	True	SourceReport	An existing source report
sourceType	True	sourceType	The source type of the content update

Responses

[+] Expand table

Name	Type	Description
200 OK	Report	OK

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/f089354e-8366-4e18-aea3-4cb4a3a50b48/reports/5b218778-e7a5-4d73-8187-f10824047715/UpdateReportContent
```

Request Body

JSON

```
{
  "sourceReport": {
    "sourceReportId": "8e4d5880-81d6-4804-ab97-054665050799",
    "sourceWorkspaceId": "2f42a406-a075-4a15-bbf2-97ef958c94cb"
  },
  "sourceType": "ExistingReport"
}
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
PrincipalType	The principal type
Report	A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.
ReportUser	A Power BI user access right entry for a report
ReportUserAccessRight	The access right that the user has for the report (permission level)
ServicePrincipalProfile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
SourceReport	An existing source report
sourceType	The source type of the content update
Subscription	An email subscription for a Power BI item (such as a report or a dashboard)
SubscriptionUser	A Power BI email subscription user
UpdateReportContentRequest	A Power BI request to update the content of a report

PrincipalType

The principal type

[+] [Expand table](#)

Name	Type	Description
App	string	Service principal type
Group	string	Group principal type
None	string	No principal type. Use for whole organization level access.

User	string	User principal type
------	--------	---------------------

Report

A Power BI report. The API returns a subset of the following list of report properties. The subset depends on the API called, caller permissions, and the availability of data in the Power BI database.

[+] Expand table

Name	Type	Description
appId	string	The app ID, returned only if the report belongs to an app
datasetId	string	The dataset ID of the report
description	string	The report description
embedUrl	string	The embed URL of the report
id	string	The report ID
isOwnedByMe	boolean	Determine if the report is created by the current user.
name	string	The name of the report
originalReportId	string	The actual report ID when the workspace is published as an app.
reportType	enum: Paginated Report Power BIReport	The report type
subscriptions	Subscription[]	(Empty Value) The subscription details for a Power BI item (such as a report or a dashboard). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information for a Power BI report by using the Get Report Subscriptions as Admin API call.
users	ReportUser[]	(Empty value) The user access details for a Power BI report. This property will be removed from the payload response in an upcoming release. You can retrieve user information on a Power BI report by using the Get Report Users as Admin API call, or the PostWorkspaceInfo API call with the <code>getArtifactUsers</code> parameter.
webUrl	string	The web URL of the report

ReportUser

A Power BI user access right entry for a report

[+] Expand table

Name	Type	Description
displayName	string	Display name of the principal
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graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
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ReportUserAccessRight

The access right that the user has for the report (permission level)

[+] Expand table

Name	Type	Description
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Read	string	Grants Read access to content in report
ReadCopy	string	Grants Read and Copy access to content in report
ReadReshare	string	Grants Read and Reshare access to content in report
ReadWrite	string	Grants Read and Write access to content in report

ServicePrincipalProfile

A Power BI service principal profile. Only relevant for [Power BI Embedded multi-tenancy solution](#).

[+] [Expand table](#)

Name	Type	Description
displayName	string	The service principal profile name
id	string	The service principal profile ID

SourceReport

An existing source report

[+] [Expand table](#)

Name	Type	Description
sourceReportId	string	The source report ID
sourceWorkspaceId	string	The source workspace ID

sourceType

The source type of the content update

[+] [Expand table](#)

Name	Type	Description
ExistingReport	string	Use an existing report as the source of the content used to update a target report

Subscription

An email subscription for a Power BI item (such as a report or a dashboard)

[+] [Expand table](#)

Name	Type	Description

artifactDisplayName	string	The name of the subscribed Power BI item (such as a report or a dashboard)
artifactId	string	The ID of the subscribed Power BI item (such as a report or a dashboard)
artifactType	string	The type of Power BI item (for example a Report, Dashboard, or Dataset)
attachmentFormat	string	Format of the report attached in the email subscription
endDate	string	The end date and time of the email subscription
frequency	string	The frequency of the email subscription
id	string	The subscription ID
isEnabled	boolean	Whether the email subscription is enabled
linkToContent	boolean	Whether a subscription link exists in the email subscription
previewImage	boolean	Whether a screenshot of the report exists in the email subscription
startDate	string	The start date and time of the email subscription
subArtifactDisplayName	string	The page name of the subscribed Power BI item, if it's a report.
title	string	The app name
users	SubscriptionUser[]	The details of each email subscriber. When using the Get User Subscriptions As Admin API call, the returned value is an empty array (null). This property will be removed from the payload response in an upcoming release. You can retrieve subscription information on a Power BI report or dashboard by using the Get Report Subscriptions As Admin or Get Dashboard Subscriptions As Admin API calls.

SubscriptionUser

A Power BI email subscription user

[+] Expand table

Name	Type	Description

displayName	string	Display name of the principal
emailAddress	string	Email address of the user
graphId	string	Identifier of the principal in Microsoft Graph. Only available for admin APIs.
identifier	string	Identifier of the principal
principalType	Principal Type	The principal type
profile	Service Principal Profile	A Power BI service principal profile. Only relevant for Power BI Embedded multi-tenancy solution .
userType	string	Type of the user.

UpdateReportContentRequest

A Power BI request to update the content of a report

[\[+\] Expand table](#)

Name	Type	Description
sourceReport	Source Report	An existing source report
sourceType	sourceType	The source type of the content update

Scorecards (Preview)

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

[\[+\] Expand table](#)

Delete By ID	Deletes a scorecard by its ID.
Get	Returns a list of scorecards from a workspace.
Get By ID	Returns a scorecard with ID.
Get Scorecard By Report Id	Reads a scorecard associated with an internal report ID.
Move Goals	Moves goals within the scorecard. Changes their ranks and parents.
Patch By ID	Updates a scorecard by its ID
Post	Creates a new scorecard.

Scorecards (Preview) - Delete By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Deletes a scorecard by its ID.

Required Scope

Dataset.ReadWrite.All

HTTP

`DELETE`

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
<code>groupId</code>	path	True	string uuid	The unique identifier of the workspace
<code>scorecardId</code>	path	True	string uuid	The unique identifier of the scorecard

Responses

[+] Expand table

Name	Type	Description
204 No Content		Empty response

Examples

Example

Sample request

HTTP

```
DELETE https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-  
2c80df0cf704/scorecards(f74738b3-c62d-4487-838c-918d314556ee)
```

Sample response

Status code: 204

Scorecards (Preview) - Get

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a list of scorecards from a workspace.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards
```

With optional parameters:

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards?$top={$top}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace
\$top	query		integer int32	Returns only the first n results.

Responses

[+] Expand table

Name	Type	Description
------	------	-------------

200 OK

Scorecards

A list with scorecards

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards?$top=30
```

Sample response

Status code: 200

JSON

```
{
  "@odata.context": "http://some.server.analysis.windows.net/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/$metadata#scorecards",
  "@odata.count": 1,
  "value": [
    {
      "id": "0059003b-fcd4-45e4-92ea-cafa1ab4938a",
      "name": "Scorecard1",
      "createdTime": "2021-12-10T22:02:51.9130363Z",
      "lastModifiedTime": "2021-12-10T22:03:08.8193962Z",
      "provisioningStatus": "Completed",
      "groupId": "bc390256-fa54-4bd8-96a1-2c80df0cf704",
      "datasetId": "efe32352-b00d-488f-8d7d-049a6f2c93b8",
      "reportId": "f69e63a2-e241-4cf4-a4b3-97f476a425bd",
      "permissions": "ReadWrite",
      "columnSettings": [
        {
          "columnId": 0,
          "show": true
        },
        {
          "columnId": 1,
          "show": true
        },
        {
          "columnId": 2,
          "show": true
        }
      ]
    }
  ]
}
```

```

        {
          "columnId": 3,
          "show": true
        },
        {
          "columnId": 4,
          "show": true
        },
        {
          "columnId": 5,
          "show": true
        },
        {
          "columnId": 6,
          "show": true
        }
      ]
    }
  ]
}

```

Definitions

[Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRulesContainer	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in
Scorecard	A Power BI scorecard
ScorecardColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
ScorecardColumnSetting	An entry defining the display settings for columns on a Power BI scorecard

ScorecardPermission	The scorecard permissions
Scorecards	The OData response wrapper for a Power BI scorecard collection

Goal

A Power BI goal

[\[\] Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.

statusRules	Goals.Rules	The goal status rules
	GoalRules	
	Container	

valuesFormatString	string	valuesFormatString
--------------------	--------	--------------------

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[\[\] Expand table](#)

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[\[\] Expand table](#)

Name	Type	Description
Change	string	Information about the change

Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[\[+\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[\[+\] Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.

21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[\[+\] Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[\[+\] Expand table](#)

Name	Type	Description														
createdTime	string	The UTC time at creation														
forecast	number	The goal value trend forecast														
goalId	string	The goal ID														
lastModifiedTime	string	The UTC time at last modification														
notes	GoalNote[]	The notes for the goal														
scorecardId	string	The scorecard ID														
status	integer	The ID of the goal status														
[+] Expand table																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>ID</th><th>Description</th></tr> </thead> <tbody> <tr><td>0</td><td>Not started</td></tr> <tr><td>1</td><td>On track</td></tr> <tr><td>2</td><td>At risk</td></tr> <tr><td>3</td><td>Behind</td></tr> <tr><td>4</td><td>Overdue</td></tr> <tr><td>5</td><td>Completed</td></tr> </tbody> </table>			ID	Description	0	Not started	1	On track	2	At risk	3	Behind	4	Overdue	5	Completed
ID	Description															
0	Not started															
1	On track															
2	At risk															
3	Behind															
4	Overdue															
5	Completed															
target	number	The goal target value														
targetDisplayString	string	The textual representation of the goal target														
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.														
trend	integer	The goal value trend														
value	number	The goal current value														
valueDisplayString	string	The textual representation of the current goal value														

Scorecard

A Power BI scorecard

[+] Expand table

Name	Type	Default value	Description
columnSettings	Scorecard Column Setting[]		The display settings for columns on a scorecard
createdTime	string		The UTC time at creation
datasetId	string		The ID of the dataset associated with the scorecard
description	string		The scorecard description
goals	Goal[]		The scorecard goals
groupId	string		The ID of the workspace
id	string		The scorecard ID
lastModifiedTime	string		The UTC time at last modification
name	string		The scorecard name
permissions	Scorecard Permission		The scorecard permissions
provisioningStatus	enum: Completed Deleted Deprovisioning Failed Initialized	Initialized	The provisioning status of the scorecard.
reportId	string		The ID of the internal report associated with the scorecard

ScorecardColumnId

The ID for one of the columns on the scorecard control or scorecard Web UI page

[+] Expand table

Name	Type	Description

0	string	Name
1	string	Owner
2	string	Status
3	string	Value
4	string	Progress
5	string	DueDate
6	string	Notes

ScorecardColumnSetting

An entry defining the display settings for columns on a Power BI scorecard

[\[+\] Expand table](#)

Name	Type	Description
columnId	Scorecard ColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
show	boolean	Whether the column should be visible on the scorecard

ScorecardPermission

The scorecard permissions

[\[+\] Expand table](#)

Name	Type	Description
None	string	No access
Read	string	Read access
ReadWrite	string	Read and Write access
Write	string	Write access

Scorecards

The OData response wrapper for a Power BI scorecard collection

[Expand table](#)

Name	Type	Description
@odata.context	string	OData context
@odata.count	integer	
@odata.nextLink	string	Link to the next page results.
value	Scorecard []	The scorecard collection

Scorecards (Preview) - Get By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Returns a scorecard with ID.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

GET

```
https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})
```

With optional parameters:

HTTP

GET

```
https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})?&$expand={$expand}
```

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports <code>goals</code> , <code>goalValues</code> , <code>aggregations</code> , and <code>notes</code> .

Responses

[Expand table](#)

Name	Type	Description
200 OK	Scorecard	The scorecard object.

Examples

Example

Sample request

HTTP
<pre>GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(f74738b3-c62d-4487-838c-918d314556ee)</pre>

Sample response

Status code: 200

Definitions

[Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
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ScorecardPermission	The scorecard permissions

Goal

A Power BI goal

[\[\] Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
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createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions

rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules. GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[\[\] Expand table](#)

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[Expand table](#)

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.

13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[\[+\] Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[\[+\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status
[+] Expand table		
ID	Description	
0	Not started	
1	On track	
2	At risk	
3	Behind	
4	Overdue	
5	Completed	
target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

Scorecard

A Power BI scorecard

[Expand table](#)

Name	Type	Default value	Description
columnSettings	Scorecard Column Setting[]		The display settings for columns on a scorecard
createdTime	string		The UTC time at creation
datasetId	string		The ID of the dataset associated with the scorecard
description	string		The scorecard description
goals	Goal[]		The scorecard goals
groupId	string		The ID of the workspace
id	string		The scorecard ID
lastModifiedTime	string		The UTC time at last modification
name	string		The scorecard name
permissions	Scorecard Permission		The scorecard permissions
provisioningStatus	enum: Completed Deleted Deprovisioning Failed Initialized	Initialized	The provisioning status of the scorecard.
reportId	string		The ID of the internal report associated with the scorecard

ScorecardColumnId

The ID for one of the columns on the scorecard control or scorecard Web UI page

[Expand table](#)

Name	Type	Description
0	string	Name
1	string	Owner
2	string	Status
3	string	Value
4	string	Progress
5	string	DueDate
6	string	Notes

ScorecardColumnSetting

An entry defining the display settings for columns on a Power BI scorecard

[\[\] Expand table](#)

Name	Type	Description
columnId	ScorecardColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
show	boolean	Whether the column should be visible on the scorecard

ScorecardPermission

The scorecard permissions

[\[\] Expand table](#)

Name	Type	Description
None	string	No access
Read	string	Read access
ReadWrite	string	Read and Write access
Write	string	Write access

Scorecards (Preview) - Get Scorecard By Report Id

Reference

Service: Power BI REST APIs

API Version: v1.0

Reads a scorecard associated with an internal report ID.

Required Scope

Dataset.Read.All or Dataset.ReadWrite.All

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards/GetScorecardByReportId(reportId={reportId})`

With optional parameters:

HTTP

GET

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards/GetScorecardByReportId(reportId={reportId})?$expand={$expand}`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace
reportId	path	True	string uuid	The ID of the internal report associated with the scorecard
\$expand	query		string	Accepts a comma-separated list of data types, which will be expanded inline in the response. Supports

`goals`, `goalValues`, and `aggregations`.

Responses

[Expand table](#)

Name	Type	Description
200 OK	Scorecard	The scorecard.

Examples

Example

Sample request

HTTP

```
GET https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards/GetScorecardByReportId(reportId=312dc8e4-e644-4a3a-93d8-2317c69a86ee)?$expand=goals($expand=goalValues, aggregations)
```

Sample response

Status code: 200

Definitions

[Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions

Goals.Rules.GoalRules Container	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in
Scorecard	A Power BI scorecard
ScorecardColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
ScorecardColumn Setting	An entry defining the display settings for columns on a Power BI scorecard
ScorecardPermission	The scorecard permissions

Goal

A Power BI goal

[\[\] Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount

parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules. GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[Expand table](#)

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[Expand table](#)

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules

scorecardObjectId	string	The scorecard ID
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GoalValue

A Power BI goal value check-in

[\[+\] Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[\[+\] Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.

trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

Scorecard

A Power BI scorecard

[Expand table](#)

Name	Type	Default value	Description
columnSettings	Scorecard Column Setting[]		The display settings for columns on a scorecard
createdTime	string		The UTC time at creation
datasetId	string		The ID of the dataset associated with the scorecard
description	string		The scorecard description
goals	Goal[]		The scorecard goals
groupId	string		The ID of the workspace
id	string		The scorecard ID
lastModifiedTime	string		The UTC time at last modification
name	string		The scorecard name
permissions	Scorecard Permission		The scorecard permissions
provisioningStatus	enum: Completed Deleted Deprovisioning Failed Initialized	Initialized	The provisioning status of the scorecard.
reportId	string		The ID of the internal report associated with the scorecard

ScorecardColumnId

The ID for one of the columns on the scorecard control or scorecard Web UI page

[Expand table](#)

Name	Type	Description
0	string	Name
1	string	Owner
2	string	Status
3	string	Value
4	string	Progress
5	string	DueDate
6	string	Notes

ScorecardColumnSetting

An entry defining the display settings for columns on a Power BI scorecard

[Expand table](#)

Name	Type	Description
columnId	ScorecardColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
show	boolean	Whether the column should be visible on the scorecard

ScorecardPermission

The scorecard permissions

[Expand table](#)

Name	Type	Description
None	string	No access
Read	string	Read access

ReadWrite	string	Read and Write access
Write	string	Write access

Scorecards (Preview) - Move Goals

Reference

Service: Power BI REST APIs

API Version: v1.0

Moves goals within the scorecard. Changes their ranks and parents.

Required Scope

Dataset.ReadWrite.All

HTTP

POST

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})/MoveGoals()`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Request Body

[+] Expand table

Name	Required	Type	Description
goalToMove	True	GoalRank Validation Info	The rank validation information for the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.

newNext	GoalRank Validation Info	Optional. The rank validation information for the new next-sibling of the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.
newParent	GoalRank Validation Info	Optional. The rank validation information for the new parent of the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.
newPrevious	GoalRank Validation Info	Optional. The rank validation information for the new previous-sibling of the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.

Responses

[\[+\] Expand table](#)

Name	Type	Description
204 No Content		Empty response

Examples

[\[+\] Expand table](#)

Change parent example
Reverse goal ranks example

Change parent example

Sample request

HTTP
<code>POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(de582f5f-ac1d-4b9d-8232-d1f5781f46ab)/MoveGoals()</code>

Sample response

Status code: 204

Reverse goal ranks example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(de582f5f-ac1d-4b9d-8232-d1f5781f46ab)/MoveGoals()
```

Sample response

Status code: 204

Definitions

[+] Expand table

Name	Description
GoalRankValidationInfo	The rank validation information for a Power BI goal, to be used with the Move Goals API request. The caller provides validation information to confirm that they know the existing position of the goal within the hierarchy of goals.
GoalsMoveRequest	A request object to be used with the Move Goals API request

GoalRankValidationInfo

The rank validation information for a Power BI goal, to be used with the [Move Goals API](#) request. The caller provides validation information to confirm that they know the existing position of the goal within the hierarchy of goals.

[+] Expand table

Name	Type	Description
currentParentId	string	The ID of the current parent goal
goalId	string	The goal ID

GoalsMoveRequest

A request object to be used with the [Move Goals](#) API request

[+] [Expand table](#)

Name	Type	Description
goalToMove	GoalRank Validation Info	The rank validation information for the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.
newNext	GoalRank Validation Info	Optional. The rank validation information for the new next-sibling of the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.
newParent	GoalRank Validation Info	Optional. The rank validation information for the new parent of the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.
newPrevious	GoalRank Validation Info	Optional. The rank validation information for the new previous-sibling of the goal to be moved. The caller provides validation information to confirm that they know the existing position of a goal within the hierarchy of goals.

Scorecards (Preview) - Patch By ID

Reference

Service: Power BI REST APIs

API Version: v1.0

Updates a scorecard by its ID

Required Scope

Dataset.ReadWrite.All

HTTP

PATCH

`https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards({scorecardId})`

URI Parameters

[+] Expand table

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace
scorecardId	path	True	string uuid	The unique identifier of the scorecard

Request Body

[+] Expand table

Name	Type	Description
columnSettings	ScorecardColumnSetting[]	The display settings for columns on a scorecard
createdTime	string	The UTC time at creation

datasetId	string	The ID of the dataset associated with the scorecard
description	string	The scorecard description
goals	Goal[]	The scorecard goals
groupId	string	The ID of the workspace
id	string	The scorecard ID
lastModifiedTime	string	The UTC time at last modification
name	string	The scorecard name
permissions	ScorecardPermission	The scorecard permissions
provisioningStatus	enum: Initialized Completed Failed Deprovisioning Deleted	The provisioning status of the scorecard.
reportId	string	The ID of the internal report associated with the scorecard

Responses

[Expand table](#)

Name	Type	Description
200 OK	Scorecard	The scorecard object after patching.

Examples

Example

Sample request

HTTP

```
PATCH https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards(f74738b3-c62d-4487-838c-918d314556ee)
```

Sample response

Status code: 200

Definitions

[+] [Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRules Container	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in
Scorecard	A Power BI scorecard
ScorecardColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
ScorecardColumn Setting	An entry defining the display settings for columns on a Power BI scorecard
ScorecardPermission	The scorecard permissions

Goal

A Power BI goal

[+] [Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal

completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal Permissions	The goal permissions
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules. GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[Expand table](#)

Name	Type	Description

calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[\[\] Expand table](#)

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[\[\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[+] Expand table

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.

UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value
valueDisplayString	string	The textual representation of the current goal value

Scorecard

A Power BI scorecard

[Expand table](#)

Name	Type	Default value	Description
columnSettings	Scorecard Column Setting[]		The display settings for columns on a scorecard
createdTime	string		The UTC time at creation
datasetId	string		The ID of the dataset associated with the scorecard

description	string	The scorecard description
goals	Goal[]	The scorecard goals
groupId	string	The ID of the workspace
id	string	The scorecard ID
lastModifiedTime	string	The UTC time at last modification
name	string	The scorecard name
permissions	ScorecardPermission	The scorecard permissions
provisioningStatus	enum: Completed Deleted Deprovisioning Failed Initialized	Initialized The provisioning status of the scorecard.
reportId	string	The ID of the internal report associated with the scorecard

ScorecardColumnId

The ID for one of the columns on the scorecard control or scorecard Web UI page

[\[+\] Expand table](#)

Name	Type	Description
0	string	Name
1	string	Owner
2	string	Status
3	string	Value
4	string	Progress
5	string	DueDate
6	string	Notes

ScorecardColumnSetting

An entry defining the display settings for columns on a Power BI scorecard

[\[\] Expand table](#)

Name	Type	Description
columnId	ScorecardColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
show	boolean	Whether the column should be visible on the scorecard

ScorecardPermission

The scorecard permissions

[\[\] Expand table](#)

Name	Type	Description
None	string	No access
Read	string	Read access
ReadWrite	string	Read and Write access
Write	string	Write access

Scorecards (Preview) - Post

Reference

Service: Power BI REST APIs

API Version: v1.0

Creates a new scorecard.

Required Scope

Dataset.ReadWrite.All

HTTP

POST <https://api.powerbi.com/v1.0/myorg/groups/{groupId}/scorecards>

URI Parameters

[Expand table](#)

Name	In	Required	Type	Description
groupId	path	True	string uuid	The unique identifier of the workspace

Request Body

[Expand table](#)

Name	Required	Type	Description
name	True	string	The scorecard name
description		string	Optional. The scorecard description.
sensitivityLabelId		string	Optional. The GUID of a sensitivity label. If you don't want to select a sensitivity label, use a null or empty GUID (<code>00000000-0000-0000-0000-000000000000</code>). If default labels are enabled and/or enforced, they will be applied on the scorecard and dataset.

Responses

[Expand table](#)

Name	Type	Description
200 OK	Scorecard	The created scorecard properties.

Examples

Example

Sample request

HTTP
<pre>POST https://api.powerbi.com/v1.0/myorg/groups/bc390256-fa54-4bd8-96a1-2c80df0cf704/scorecards</pre>

Sample response

Status code: 200

Definitions

[Expand table](#)

Name	Description
Goal	A Power BI goal
GoalAggregation	An entry describing the state of various Power BI goal properties at a specific time (normally current time)
GoalAggregationType	The type of the aggregated property
GoalNote	A Power BI goal value check-in note
GoalPermissions	The goal permissions
Goals.Rules.GoalRulesContainer	A container for JSON definitions of status rules on a Power BI goal
GoalValue	A Power BI goal value check-in

Scorecard	A Power BI scorecard
ScorecardColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
ScorecardColumnSetting	An entry defining the display settings for columns on a Power BI scorecard
ScorecardCreateRequest	A request to create a scorecard
ScorecardPermission	The scorecard permissions

Goal

A Power BI goal

[\[\] Expand table](#)

Name	Type	Description
aggregations	Goal Aggregation[]	The list of aggregated properties of the goal
completionDate	string	The UTC timestamp for the completion date of the goal. The time portion of the timestamp is zero.
createdTime	string	The UTC time at creation
datesFormatString	string	datesFormatString
description	string	The goal description
goalValues	GoalValue[]	The list of goal value check-ins
hasStatusRules	boolean	Whether the goal has status rules defined
id	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
level	integer	The nested level of the goal in the parent-child hierarchy of scorecard goals
name	string	The goal name
notesCount	integer	notesCount
parentId	string	The ID of the parent goal, if defined.
permissions	Goal	The goal permissions

Permissions		
rank	integer	The rank of the goal within the ordered set of sibling goals
scorecardId	string	The scorecard ID
startDate	string	The UTC timestamp for the start date of the goal. The time portion of the timestamp is zero.
statusRules	Goals.Rules. GoalRules Container	The goal status rules
valuesFormatString	string	valuesFormatString

GoalAggregation

An entry describing the state of various Power BI goal properties at a specific time (normally current time)

[\[\] Expand table](#)

Name	Type	Description
calculationTime	string	The UTC timestamp of the aggregation calculation
goalId	string	The goal ID
id	string	The aggregation ID
maxLastModifiedTime	string	The UTC timestamp of the latest modification to the aggregated property
scorecardId	string	The scorecard ID
timestamp	string	The UTC timestamp associated with the aggregated property. The time portion of the timestamp is zero.
type	Goal Aggregation Type	The type of the aggregated property
value	number	The numeric value of the aggregated property
valueDisplayString	string	Optional. The alternative text representation of the aggregated property value.

GoalAggregationType

The type of the aggregated property

[\[+\] Expand table](#)

Name	Type	Description
Change	string	Information about the change
Sparkline	string	Information about the sparkline
Status	string	Information about the status of the goal
Target	string	Information about the target value of the goal
Value	string	Information about the current value of the goal

GoalNote

A Power BI goal value check-in note

[\[+\] Expand table](#)

Name	Type	Description
body	string	The note text
content	string	The content of this note in special format
createdTime	string	The UTC time at creation
goalId	string	The goal ID
id	string	The goal value check-in note ID
lastModifiedTime	string	The UTC time at last modification
scorecardId	string	The scorecard ID
valueTimestamp	string	The UTC timestamp of the goal value check-in that this note belongs to. The time portion of the timestamp is zero.

GoalPermissions

The goal permissions

[\[+\] Expand table](#)

Name	Type	Description
11	string	Current value and notes can be updated.
13	string	Target value and notes can be updated.
15	string	Current value, target value, and notes can be updated.
19	string	Current value and status can be updated.
21	string	Target value and status can be updated.
23	string	Current value, target value, and status can be updated.
25	string	Notes and status can be updated.
27	string	Current value, notes, and status can be updated.
29	string	Target value, notes, and status can be updated.
All	string	Values, notes, and status can be updated.
None	string	No access.
UpdateCurrentValue	string	Current value can be updated.
UpdateNotes	string	Notes can be updated.
UpdateStatus	string	Status can be updated.
UpdateTargetValue	string	Target value can be updated.
UpdateValues	string	Current and target values can be updated.
View	string	View access only.

Goals.Rules.GoalRulesContainer

A container for JSON definitions of status rules on a Power BI goal

[Expand table](#)

Name	Type	Description
goalObjectId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
rules	string	The list of rules
scorecardObjectId	string	The scorecard ID

GoalValue

A Power BI goal value check-in

[Expand table](#)

Name	Type	Description
createdTime	string	The UTC time at creation
forecast	number	The goal value trend forecast
goalId	string	The goal ID
lastModifiedTime	string	The UTC time at last modification
notes	GoalNote[]	The notes for the goal
scorecardId	string	The scorecard ID
status	integer	The ID of the goal status

[Expand table](#)

ID	Description
0	Not started
1	On track
2	At risk
3	Behind
4	Overdue
5	Completed

target	number	The goal target value
targetDisplayString	string	The textual representation of the goal target
timestamp	string	The UTC timestamp of the goal value check-in. The time portion of the timestamp is zero.
trend	integer	The goal value trend
value	number	The goal current value

valueDisplayString	string	The textual representation of the current goal value
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Scorecard

A Power BI scorecard

[+] Expand table

Name	Type	Default value	Description
columnSettings	Scorecard Column Setting[]		The display settings for columns on a scorecard
createdTime	string		The UTC time at creation
datasetId	string		The ID of the dataset associated with the scorecard
description	string		The scorecard description
goals	Goal[]		The scorecard goals
groupId	string		The ID of the workspace
id	string		The scorecard ID
lastModifiedTime	string		The UTC time at last modification
name	string		The scorecard name
permissions	Scorecard Permission		The scorecard permissions
provisioningStatus	enum: Completed Deleted Deprovisioning Failed Initialized	Initialized	The provisioning status of the scorecard.
reportId	string		The ID of the internal report associated with the scorecard

ScorecardColumnId

The ID for one of the columns on the scorecard control or scorecard Web UI page

[Expand table](#)

Name	Type	Description
0	string	Name
1	string	Owner
2	string	Status
3	string	Value
4	string	Progress
5	string	DueDate
6	string	Notes

ScorecardColumnSetting

An entry defining the display settings for columns on a Power BI scorecard

[Expand table](#)

Name	Type	Description
columnId	Scorecard ColumnId	The ID for one of the columns on the scorecard control or scorecard Web UI page
show	boolean	Whether the column should be visible on the scorecard

ScorecardCreateRequest

A request to create a scorecard

[Expand table](#)

Name	Type	Description
description	string	Optional. The scorecard description.
name	string	The scorecard name
sensitivityLabelId	string	Optional. The GUID of a sensitivity label. If you don't want to select a sensitivity label, use a null or empty GUID (00000000-0000-0000-0000-000000000000).

`0000-0000-0000-000000000000`). If default labels are enabled and/or enforced, they will be applied on the scorecard and dataset.

ScorecardPermission

The scorecard permissions

[\[+\] Expand table](#)

Name	Type	Description
None	string	No access
Read	string	Read access
ReadWrite	string	Read and Write access
Write	string	Write access

Template Apps

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 [Expand table](#)

Create Install Ticket	Generates an installation ticket for the automated install flow of the specified template app.
---------------------------------------	----------------------------------------------------------------------------------------------------------------

Template Apps - Create Install Ticket

Reference

Service: Power BI REST APIs

API Version: v1.0

Generates an installation ticket for the [automated install flow](#) of the specified template app.

Permissions

The caller must use service principal for authentication. For more information, see [Embed Power BI content with service principal](#) and [Considerations and limitations](#).

Limitations

The tenant making this API call *must* own the specified template app.

The template app must either be published to Microsoft AppSource, or, both the ticket creator and the end-user installing with the ticket must have explicit access to the app.

All query parameters in the install ticket *must* be configured.

HTTP

POST <https://api.powerbi.com/v1.0/myorg/CreateTemplateAppInstallTicket>

Request Body

[+] [Expand table](#)

Name	Type	Description
installDetails	TemplateAppInstallDetails[]	List of install details

Responses

[+] [Expand table](#)

Name	Type	Description
200 OK	InstallTicket	OK

Examples

Create an install ticket for a template app, specifying two query parameters example.

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/CreateTemplateAppInstallTicket
```

Request Body

JSON

```
{
  "appId": "91ce06d1-d81b-4ea0-bc6d-2ce3dd2f8e87",
  "packageKey": "g632bb64...0fsoqT56xEM=",
  "ownerTenantId": "d43e3248-3d83-44aa-a94d-c836bd7f9b79",
  "config": {
    "configuration": {
      "param1": "value1",
      "param2": "value2"
    }
  }
}
```

Sample response

Status code: 200

JSON

```
{
  "ticket": "H4sI....AAA=",
  "ticketId": "4b76f5ed-5a06-4150-8d1b-60f8e4c186f4",
  "expiration": "2020-07-29T17:58:19Z"
}
```

Status code: 401

JSON

```
{  
  "error": {  
    "code": "ServiceAppApplicationOwnershipValidationFailed",  
    "pbi.error": {  
      "code": "ServiceAppApplicationOwnershipValidationFailed",  
      "parameters": {},  
      "details": [],  
      "exceptionCulprit": 1  
    }  
  }  
}
```

Status code: 400

JSON

```
{  
  "error": {  
    "code": "ServiceAppInstallTicketInvalidConfiguration",  
    "pbi.error": {  
      "code": "ServiceAppInstallTicketInvalidConfiguration",  
      "parameters": {},  
      "details": [],  
      "exceptionCulprit": 1  
    }  
  }  
}
```

Definitions

[\[+\] Expand table](#)

Name	Description
CreateInstallTicketRequest	A request to create a Power BI install ticket
InstallTicket	An automated install ticket for a Power BI template app
TemplateAppConfigurationRequest	An automated install configuration for a Power BI template app (dictionary of name-value pairs)
TemplateAppInstallDetails	The install details for a Power BI template app

CreateInstallTicketRequest

A request to create a Power BI install ticket

[+] Expand table

Name	Type	Description
installDetails	Template AppInstall Details[]	List of install details

InstallTicket

An automated install ticket for a Power BI template app

[+] Expand table

Name	Type	Description
expiration	string	The expiration date and time (UTC) of the ticket
ticket	string	Install ticket
ticketId	string	The unique ID of an install ticket. Audit logs can be used to correlate operations that use this ticket with the generate ticket operation.

TemplateAppConfigurationRequest

An automated install configuration for a Power BI template app (dictionary of name-value pairs)

[+] Expand table

Name	Type	Description
configuration	object	

TemplateAppInstallDetails

The install details for a Power BI template app

[+] Expand table

Name	Type	Description

appId	string	The unique ID of the Power BI template app
config	TemplateApp Configuration Request	The automated install configuration
ownerTenantId	string	The tenant ID of the Power BI template app owner
packageKey	string	The secure key for the Power BI template app version

Users

Reference

Service: Power BI REST APIs

API Version: v1.0

Operations

 [Expand table](#)

[Refresh User Permissions](#)

Refreshes user permissions in Power BI.

Users - Refresh User Permissions

Reference

Service: Power BI REST APIs

API Version: v1.0

Refreshes user permissions in Power BI.

When a user is granted permissions to a workspace, app, or Power BI item (such as a report or a dashboard), the new permissions might not be immediately available through API calls. This operation refreshes user permissions to ensure they're fully updated.

ⓘ Important

Call **Refresh User Permissions** before making other API calls.

Since it takes about two minutes for the permissions to get refreshed, wait for two minutes before making other API calls.

Permissions

This API call can be called by a service principal profile. For more information see: [Service principal profiles in Power BI Embedded](#).

Required Scope

Workspace.Read.All or Workspace.ReadWrite.All

Limitations

Maximum one call per user per hour.

HTTP

POST <https://api.powerbi.com/v1.0/myorg/RefreshUserPermissions>

Responses

[Expand table](#)

Name	Type	Description
200 OK	OK	

Examples

Example

Sample request

HTTP

```
POST https://api.powerbi.com/v1.0/myorg/RefreshUserPermissions
```

Sample response

Status code: 200