

 Search

IBM Cloud Private for Data - Open APIs (v1.0.0)

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Swagger for the IBM Cloud Private for Data offerings - with Data Governance and Analytics API's

Authorization

ICP4D platform login

Get authorization token

Provide icp4d login credentials to receive authorization bearer token

REQUEST BODY

 password	string Required
 username	string Required

Responses

✓ 200 Success

✗ 400 Bad Request

[!\[\]\(c140ced51dbf5d4fbee7bbef0b65b56b_img.jpg\) Search](#)

POST /v1/authorize

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "password": "string",  
  "username": "string"  
}
```

RESPONSE SAMPLES

[200 Success](#) [400 Bad Request](#) [401 Unauthorized](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success",  
  "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiIxMjM0NTY3ODkwIiwibmFtZ  
}
```

User Management

Manage Users in the ICPD cluster

[Search](#)

Get all users

Get all users from the cluster

PARAMETERS

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.
-

Responses

▼ [200 Success](#)

▼ [401 Unauthorized](#)

▼ [500 Internal error](#)

GET /v1/users

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/users \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

[Search](#)

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    - "UserInfo": [  
        + { ... }  
    ]  
}
```

Create user

Create a new user for the cluster

PARAMETERS

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.
-

REQUEST BODY

Information for creating a user

displayName	string Required Display Name for the user e.g. Admin
email	string Required Email for the user e.g. admin@user.net
user_name	string Required User name e.g. admin

 Search

Responses

▼ 200 Success

▼ 401 Unauthorized

▼ 500 Internal error

POST /v1/users

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
    "displayName": "string",  
    "email": "string",  
    "user_name": "string",  
    - "user_roles": [  
        "string"  
    ]  
}
```

RESPONSE SAMPLES

 200 Success  401 Unauthorized  500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "User created successfully."}
```

🔍 Search

```
    }  
}
```

Get user information

Get existing user information

PARAMETERS

Path Parameters ?

- user_name string **Required**
User name

Header Parameters ?

- Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

[Search](#)

GET /v1/users/{user_name}

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/users/{user_name} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{
  "_messageCode_": "200",
  "message": "Success",
  - "UserInfo": {
      "approval_status": "approved",
      "authenticator": "default",
      "created_timestamp": "2018-10-08T21:53:14.855Z",
      "current_account_status": "enabled",
      "displayName": "admin",
      "email": "approved",
      "first_failed_attempt_timestamp": "2018-10-08T21:53:14.855Z",
      "last_modified_timestamp": "2018-10-08T21:53:14.855Z",
      + "permissions": [ ... ],
      "recent_number_of_failed_attempts": 0,
      "release_lock_at_timestamp": "2018-10-08T21:53:14.855Z",
      "role": "admin",
      "uid": "1001",
      + "user_roles": [ ... ],
      "username": "Admin"
    }
}
```

[Search](#)

Update user details

Update an existing user information

PARAMETERS

Path Parameters [\(?\)](#)

—	user_name	string Required
User name		

Header Parameters [\(?\)](#)

—	Authorization	string
Access credentials in the form of a jwt token.		

REQUEST BODY

Information for updating the user details

approval_status	string	Approval status for the user, can be either 'pending' or 'approved'.
displayName	string	Display Name for the user e.g. Admin
email	string	Email for the user e.g. admin@user.net
user_roles	Array of string	List of user roles

Responses

[!\[\]\(ae223da315e255ba47ffbe262c5af5ad_img.jpg\) Search](#)

▼ 404 Not found.

▼ 500 Internal error

PUT /v1/users/{user_name}

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "approval_status": "string",  
  "displayName": "string",  
  "email": "string",  
  - "user_roles": [  
    "string"  
  ]  
}
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not found.](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

🔍 Search

Delete user from the cluster

PARAMETERS

Path Parameters ?

- user_name **string Required**
User name

Header Parameters ?

- Authorization **string**
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

DELETE /v1/users/{user_name}

REQUEST SAMPLES

Curl Java Javascript Python

🔍 Search

```
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success"  
}
```

Role Management

Manage roles in the ICPD cluster. Security in ICPD is based on roles. A role is a group of permissions that control the actions you can perform in ICPD. You can create customized roles, assign permissions to customized roles, or you can assign more permissions to existing default roles. You can also assign users and user groups to existing default roles or to customized roles. Permissions are cumulative, a user or user group is assigned all the permissions for all the roles they are assigned to.

List all roles

Get all roles from the cluster

PARAMETERS

Header Parameters [\(?\)](#)

[Search](#)

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

GET /v1/roles

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/roles \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

✓ 200 Success ✗ 401 Unauthorized ✗ 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success",  
  - "Roles": [  
    + { ... }  
  ]  
}
```

[!\[\]\(aa0531a8a00dce4264f403713b689577_img.jpg\) Search](#)

Create new role

Create a new role for the cluster

PARAMETERS

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.

REQUEST BODY

Information for creating a role

description	string Role description e.g. Administrator role
permissions	Array of string Required List of permissions e.g. administrator
role_name	string Required Role name e.g. admin

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

🔍 Search

POST /v1/roles

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
    "description": "string",  
    - "permissions": [  
        "string"  
    ],  
    "role_name": "string"  
}
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [500 Internal error](#)

```
{  
    "_messageCode_": "200",  
    "message": "Success"  
}
```

List all permissions

Get all defined permissions

PARAMETERS

[!\[\]\(d16a7de0febe473a0e9dc8301d859f1f_img.jpg\) Search](#)

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

GET /v1/roles/permissions

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/roles/permissions \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

○ 200 Success ○ 401 Unauthorized ○ 500 Internal error

```
{
  "_messageCode_": "200",
  "message": "Success",
  "Permissions": [ ]
}
```

[Search](#)

Get role information

Get existing role information

PARAMETERS

Path Parameters [\(?\)](#)

- `role_name` string **Required**
existing role

Header Parameters [\(?\)](#)

- `Authorization` string
Access credentials in the form of a jwt token.

Responses

✓ **200 Success**

✗ **401 Unauthorized**

✗ **404 Not Found**

✗ **500 Internal error**

GET /v1/roles/{role_name}

🔍 Search

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/roles/{role_name} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{
  "_messageCode_": "200",
  "message": "Success",
  - "RoleInfo": {
      "ID": "Administrator",
      "description": "Administrator role",
      + "permissions": [ ... ],
      "role_name": "Administrator"
    }
}
```

Update role

Update an existing role

PARAMETERS

Path Parameters (?)

— role_name	string Required
	existing role

🔍 Search

REQUEST BODY

Information for updating a role

description	string Role description e.g. Admin
permissions	Array of string Required List of permissions e.g. administrator

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

PUT /v1/roles/{role_name}

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "description": "string",
```

[!\[\]\(ed7a88d59d8ebce7f53c3746304c417c_img.jpg\) Search](#)

RESPONSE SAMPLES

- 200 Success
- 401 Unauthorized
- 404 Not Found
- 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Delete role

Delete role from the cluster

PARAMETERS

Path Parameters [\(?\)](#)

—	role_name	string Required
		existing role

Header Parameters [\(?\)](#)

—	Authorization	string
		Access credentials in the form of a jwt token.

Responses

[!\[\]\(d411731a33fb98475cafaf16076dc59e_img.jpg\) Search](#)

▼ 404 Not Found

▼ 500 Internal error

DELETE /v1/roles/{role_name}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X DELETE \
https://:{HOSTNAME}:31843/icp4d-api/v1/role/{role_name} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{
  "_messageCode_": "200",
  "message": "Success"
}
```

Account Management

[Search](#)

Change my password

Change password for the logged in user

PARAMETERS

FormData Parameters [\(?\)](#)

- password **string Required**
New Password

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

POST /v1/changepassword

REQUEST SAMPLES

🔍 Search

```
https://:{HOSTNAME}:31843/icp4d-api/v1/changepassword \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-d '{
  "password": "{PASSWORD}"
}'
```

RESPONSE SAMPLES

- 🟢 200 Success
- 🔴 401 Unauthorized
- 🔴 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Get my account information

Get logged in user information

PARAMETERS

Header Parameters [\(?\)](#)

— Authorization

string

Access credentials in the form of a jwt token.

[!\[\]\(6a88bf4ad38fa7e10ac05e9cc3ccceb2_img.jpg\) Search](#)

▼ 401 Unauthorized

▼ 500 Internal error

GET /v1/me

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/me \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [500 Internal error](#)

```
{
  "_messageCode": "200",
  "message": "Success",
  - "UserInfo": {
      "displayName": "admin",
      "email": "approved",
      + "permissions": [ ... ],
      "role": "admin",
      "uid": "1001",
      "username": "Admin"
    }
}
```

 Search

Update my information

Update my user information

PARAMETERS

Header Parameters

- Authorization string
Access credentials in the form of a jwt token.

REQUEST BODY

Information for updating the user details

- | | |
|---|--|
|  displayName | string
Display Name for the user e.g. Admin |
| email | string
Email for the user e.g. admin@user.net |

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

🔍 Search

REQUEST SAMPLES

JSON Curl Java Javascript Python

```
{  
  "displayName": "string",  
  "email": "string"  
}
```

RESPONSE SAMPLES

🟢 200 Success 🟥 401 Unauthorized 🟥 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Catalog Assets

Catalog asset contains information about data or data analysis. You can create pre-defined assets like term, category, governance rule, governance policies as well as custom assets using the Catalog Asset Bundle apis.

Get an asset

Provides information about an asset type. For custom asset, please provide the asset type as {asset_family_name}-{asset_type}.

🔍 Search

Query Parameters ?

asset_type	string Required Functional area name Ex- category
asset_property	string Required Property name to search by, as an example we might want to search for all assets with a given name. Ex- name
asset_value	string Required What property value are we searching by? Ex- Logical Area
returnAttributes	Comma Separated Array of string What attributes do you want to be returned. By default we will return just the name but you can change to add more columns as need be. Ex- ["name","long_description","custom_property1"]

Header Parameters ?

Authorization	string Access credentials in the form of a jwt token.
---------------	--

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/assets

🔍 Search

```
curl -k -X GET \
'https://{{HOSTNAME}}:31843/icp4d-api/v1/assets?asset_type={{ASSET_TYPE}}&asset_property={{ASSET_PROPERTY}}&asset_value={{ASSET_VALUE}}&returnAttributes={{RETURN_ATTRIBUTES}}' \
-H 'authorization: Bearer {{AUTH_TOKEN}}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    "asset_details": {}  
}
```

Create an asset

Create custom and pre-defined assets using this endpoint. For term asset types, provide category_name under custom_properties. For custom asset types, provide the asset_family_name and the parent asset information, if asset not the top element.

PARAMETERS

Header Parameters [\(?\)](#)

— Authorization	string
	Access credentials in the form of a jwt token.

[!\[\]\(840ccd52bb9762fc0b7f8d727ff47dae_img.jpg\) Search](#)

asset_family	string Custom Application Name
asset_name	string Required Functional area name
asset_type	string Required Asset type. Non custom asset supported types are term, category, information_governance_policy, information_governance_rule, collection, label and data_class.
custom_properties ▾	custom_properties JSON payload of attributes, values
is_custom	boolean Required Is this a custom asset type? If yes, asset family name is required as well.
parent_asset_name	string If top level asset type this will be NA, if not it will be the parent asset name
parent_asset_type	string If top level asset type this will be NA, if not it will be the parent asset type

Responses

✓ 200 Success

✗ 400 Not Found

✗ 401 Unauthorized

✗ 500 Internal error

[Search](#)

POST /v1/assets

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
    "asset_family": "Sample Application",  
    "asset_name": "Customer",  
    "asset_type": "Customer Information",  
    - "custom_properties": {  
        "property1": "string",  
        "property2": "string"  
    },  
    "is_custom": true,  
    "parent_asset_name": "Logical area 1",  
    "parent_asset_type": "Logical area 1"  
}
```

RESPONSE SAMPLES

200 Success 400 Not Found 401 Unauthorized 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success"  
}
```

Delete Asset

🔍 Search

Header Parameters (?)

- Authorization string
Access credentials in the form of a jwt token.

REQUEST BODY

Information for deleting the asset

asset_property	string Required Property name to search by, can search for all assets with a given name to delete. Ex- name
asset_type	string Required Functional area name. Ex- term
asset_value	string Required Property value to search by. Ex- TermOne

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

DELETE /v1/assets

Search

```
{  
  "asset_property": "Customer Information",  
  "asset_type": "Sample Application",  
  "asset_value": "Logical area 1"  
}
```

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Related Catalog Assets

Create relationships between any asset type and term assets as well as governance policies with governance rules.

Find related assets

Outputs assets related to the provided asset.

PARAMETERS

🔍 Search

asset_name string **Required**
Asset name

Header Parameters (?)

Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/relatedAssets

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X GET \
'https://{{HOSTNAME}}:31843/icp4d-api/v1/relatedAssets?asset_type={{ASSET_TYPE}}&asset_name={{ASSET_NAME}}' \
-H 'authorization: Bearer {{AUTH_TOKEN}}' \
-H 'cache-control: no-cache' \
```

[!\[\]\(8a7d3f005d6b7ab2b44c26b8a3b29075_img.jpg\) Search](#)

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    - "relatedAssets": [  
        + { ... }  
    ]  
}
```

Relate with other assets.

Associate metadata about two related assets that are existing in the governance catalog. For example, add category asset association to a term asset.

PARAMETERS

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.

REQUEST BODY

Information for related assets

asset_name	string Required Functional area instance name. Ex- TermOne
asset_type	string Required Functional area name. Ex- term
related_asset_name	string Required

[!\[\]\(90ba2b11a7c85fa4c765065e298300d8_img.jpg\) Search](#)

unrelated to this Asset Family. Ex- category

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

POST /v1/relatedAssets

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "asset_name": "TermOne",  
  "asset_type": "term",  
  "related_asset_name": "CategoryOne",  
  "related_asset_type": "category"  
}
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

[Search](#)

}

Remove related asset

Remove existing asset's association.

PARAMETERS

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.

REQUEST BODY

Information for related assets

asset_name	string Required Functional area instance name. Ex- TermOne
asset_type	string Required Functional area name. Ex- term
related_asset_name	string Required Functional area instance name. Ex- CategoryOne
related_asset_type	string Required Functional area name from this Asset Family or could be an asset class name unrelated to this Asset Family. Ex- category

[!\[\]\(dbfcdb7f53d00c543ff8907c5a2bd3dd_img.jpg\) Search](#)

▼ 401 Unauthorized

▼ 404 Not Found

▼ 500 Internal error

DELETE /v1/relatedAssets

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "asset_name": "TermOne",  
  "asset_type": "term",  
  "related_asset_name": "CategoryOne",  
  "related_asset_type": "category"  
}
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

[!\[\]\(a6baa8b4e78e74557ab65de5d4e1a202_img.jpg\) Search](#)

When you need to bring metadata from other products into the catalog, you can dynamically register the additional asset types in the catalog. The group of asset types from a single product or tool is called an asset type bundle.

Get the list of registered asset bundles

Provides a list of registered asset bundles.

PARAMETERS

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.
-

Responses

✓ **200 Success**

✗ **401 Unauthorized**

✗ **500 Internal error**

GET /v1/assetBundles

REQUEST SAMPLES

🔍 Search

```
https://:{HOSTNAME}:31843/icp4d-api/v1/assetBundles \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 🟢 200 Success
- 🔴 401 Unauthorized
- 🔴 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    "AssetBundles": [ ]  
}
```

Update a previously registered asset bundle

Updates previously registered asset bundle. Upload the zip file with updated bundle definition.

PARAMETERS

FormData Parameters ?

—	file	file Required
		File

Header Parameters ?

—	Authorization	string
		Access credentials in the form of a jwt token.

[!\[\]\(5a8462f224bfa6cdb3c597f2e193f91f_img.jpg\) Search](#)

▼ 401 Unauthorized

▼ 500 Internal error

PUT /v1/assetBundles

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X PUT \
https://:{HOSTNAME}:31843/icp4d-api/v1/assetBundles \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
-H 'content-type: multipart/form-data' \
-F file=@{PATH_TO_FILE}
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [500 Internal error](#)

```
{
  "_messageCode_": "200",
  "message": "Success"
}
```

🔍 Search

information on how to construct the zip file can be found [here](#)

PARAMETERS

FormData Parameters [?](#)

- file **file Required**
File
-

Header Parameters [?](#)

- Authorization **string**
Access credentials in the form of a jwt token.
-

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

POST /v1/assetBundles

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X POST \
https://:{HOSTNAME}:31843/icp4d-api/v1/assetBundles \
-H 'authorization: Bearer {AUTH_TOKEN}' \
```

[!\[\]\(a6ad2762814f4f6673ab7bfa377c3524_img.jpg\) Search](#)

RESPONSE SAMPLES

- 200 Success
- 401 Unauthorized
- 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Download a registered bundle as a zip file

Outputs the bundle definition zip file, needing the Asset bundle ID to process the request.

PARAMETERS

Path Parameters [\(?\)](#)

— assetID	string Required
	Asset Bundle ID

Header Parameters [\(?\)](#)

— Authorization	string
	Access credentials in the form of a jwt token.

Responses

[!\[\]\(c7d352cc472ef1b6a9fffd1426c9a669_img.jpg\) Search](#)

▼ 404 Not Found

▼ 500 Internal error

GET /v1/assetBundles/{assetID}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/assetBundles/{ASSET_ID} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

○ 401 Unauthorized ○ 404 Not Found ○ 500 Internal error

```
{
  "_messageCode_": "string",
  "_statusCode_": 0,
  "exception": "string",
  "message": "string"
}
```

🔍 Search

Delete the asset bundle, needing the asset bundle ID as input.

PARAMETERS

Path Parameters [\(?\)](#)

- assetID **string Required**
Asset Bundle ID
-

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.
-

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

DELETE /v1/assetBundles/{assetID}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

🔍 Search

```
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Projects

APIs for facilitating platform project management

Get a list of all projects

Get list of all projects across platform. List includes data such as project type, creation date, and name

PARAMETERS

Header Parameters (?)

- Authorization string
Access credentials in the form of a jwt token.
-

[!\[\]\(7dbbcca4962df9ff7158d6b97ee8d1c0_img.jpg\) Search](#)[**▼ 401 Unauthorized**](#)[**▼ 500 Internal error**](#)

GET /v1/projects

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [500 Internal error](#)

```
{
  "_messageCode_": "200",
  "message": "Success",
  - "projects": [
    + { ... }
  ]
}
```

[Search](#)

Allows a new project to be created from scratch or an existing file

PARAMETERS

FormData Parameters [\(?\)](#)

project_name	string Required project name
project_description	string Required project description
project_file	file file to upload

Header Parameters [\(?\)](#)

Authorization	string Access credentials in the form of a jwt token.
---------------	---

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

POST /v1/projects

REQUEST SAMPLES

🔍 Search

```
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
-H 'content-type: multipart/form-data; boundary=----WebKitFormBoundary7MA4YWxkTr
Zu0gW' \
-F 'project_description={PROJECT_DESCRIPTION}'
```

RESPONSE SAMPLES

- 🟢 200 Success
- 🔴 401 Unauthorized
- 🔴 500 Internal error

```
{
  "_messageCode_": "200",
  "message": "Success"
}
```

Get project details

Get the details for a specific project by giving the project name

PARAMETERS

Path Parameters (?)

— project_name	string Required
	Project Name

Header Parameters (?)

— Authorization	string
-----------------	--------

[Search](#)

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/projects/{project_name}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success",
```

🔍 Search

```
        "project_remote_path": "Watson Studio master repository"  
    }  
}
```

Delete a project

Delete a project by name

PARAMETERS

Path Parameters [?](#)

- project_name string **Required**
Project Name

Header Parameters [?](#)

- Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

[Search](#)

DELETE /v1/projects/{project_name}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X DELETE \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Export project

Download project as targz or zip file. File type preference is specified by format query

PARAMETERS

Path Parameters [\(?\)](#)

— project_name string **Required**

🔍 Search

— format

string **Required**

Valid values: `"tar.gz"` | `"zip"`

File type

Header Parameters (?)

— Authorization

string

Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/projects/{project_name}/export

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/work/export?format={TYPE} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

🔍 Search

"string"

Project Assets

Use this API to manage assets across a project. Assets contain the contents of your data

Get asset content

Return the content of a notebook, script, or local dataset.

PARAMETERS

Path Parameters (?)

project_name	string Required Project Name
asset_name	string Required Full project asset name including extension

Query Parameters (?)

asset_type	string Required Valid values: "jupyter" "scripts" "datasets" Project asset type
------------	--

Header Parameters (?)

[!\[\]\(cad557d097a8ef0d00a64750df97392c_img.jpg\) Search](#)

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/projects/{project_name}/asset/{asset_name}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://{{HOSTNAME}}:31843/icp4d-api/v1/projects/{{PROJECT_NAME}}/asset/{{ASSET_TYPE}} \
/{{ASSET_NAME}}/content \
-H 'authorization: Bearer {{AUTH_TOKEN}}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

○ 200 Success ○ 401 Unauthorized ○ 404 Not Found ○ 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success",
```

[Search](#)

}

Delete asset

Delete an asset by name

PARAMETERS

Path Parameters [\(?\)](#)

project_name
asset_name

string Required
Project Name
string Required
Full project asset name including extension

Query Parameters [\(?\)](#)

asset_type

string Required
Valid values: "jupyter" "scripts" "datasets"
Project asset type

Header Parameters [\(?\)](#)

Authorization

string
Access credentials in the form of a jwt token.

Responses

▼ 200 Success

[!\[\]\(7c2b368b0e2c627d036ed804024203fb_img.jpg\) Search](#) **500 Internal error**

```
DELETE /v1/projects/{project_name}/asset/{asset_name}
```

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X DELETE \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME}/assets \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-d '{"asset_name": "{ASSET_NAME}", "asset_type": "{ASSET_TYPE}"}'
```

RESPONSE SAMPLES

 200 Success  401 Unauthorized  404 Not Found  500 Internal error

```
{
  "_messageCode_": "200",
  "message": "Success"
}
```

Get all assets

🔍 Search

PARAMETERS

Path Parameters ?

- project_name string **Required**
Project Name
-

Query Parameters ?

- type string
Valid values: `"zeppelin"` `"jupyter"` `"localdatasets"`
`"remotedatasets"` `"rstudio"` `"models"` `"model-groups"`
`"datasources"` `"flows"` `"scripts"` `"shaper"` `"dashboards"`
`"others"`
Asset type
-

Header Parameters ?

- Authorization string
Access credentials in the form of a jwt token.
-

Responses

✓ **200 Success**

✗ **401 Unauthorized**

✗ **500 Internal error**

GET /v1/projects/{project_name}/assets

🔍 Search

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME}/assets \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    - "assets": [  
        + { ... }  
    ]  
}
```

Add an asset to a project

PARAMETERS

Path Parameters (?)

— project_name string Required
Project Name

FormData Parameters (?)

asset_type string Required
Valid values: "jupyter" "scripts" "datasets"

🔍 Search

asset_name string **Required**
Asset file name

Header Parameters [\(?\)](#)

Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 500 Internal error

POST /v1/projects/{project_name}/assets

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X POST \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases/{PROJECT_NAME}/assets \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
-H 'content-type: multipart/form-data' \
-F asset_name={ASSET_NAME} \
-F asset_type={ASSET_TYPE} \
-F asset_file=@{PATH_TO_ASSET}
```

[!\[\]\(0e5aeb08abccf3e048d904d9c746b4a5_img.jpg\) Search](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Project Collaborators

After you create a project, add collaborators to share knowledge and resources freely, shift workloads flexibly, and help one another complete jobs. You must have the Admin role in the project to manage collaborators.

Get project collaborators

Get all collaborators for a particular project

PARAMETERS

Path Parameters [\(?\)](#)

- project_name string **Required**
Project Name

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.

[!\[\]\(11da0bff10dc30980b2d00cec0be98cf_img.jpg\) Search](#)

▼ 401 Unauthorized

▼ 404 Not Found

▼ 500 Internal error

GET /v1/projects/{project_name}/collaborators

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X POST \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME}/collaborators\
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache'
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{
  "_messageCode_": "200",
  "message": "Success",
  "Members": [
    + { ... }
  ]
}
```

[Search](#)

Add collaborators to a project

Adds set of users to a project

PARAMETERS

Path Parameters [\(?\)](#)

- project_name string **Required**
Project Name
-

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.
-

REQUEST BODY

Array [

- member_uid string **Required**
 - role string **Required**
Valid values: `"admin"` `"editor"` `"viewer"`
-

]

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

[Search](#)

POST /v1/projects/{project_name}/collaborators

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
[  
- {  
    "member_uid": "1001",  
    "role": "admin"  
}  
]
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{  
    "_messageCode_": "200",  
    "message": "Success"  
}
```

Update project member

Updates the role of a member

PARAMETERS

🔍 Search

collaborator_id **string Required**
User id of the collaborator

Header Parameters ?

Authorization **string**
Access credentials in the form of a jwt token.

REQUEST BODY

New role for the collaborator

role **string Required**
Valid values: `"admin"` `"editor"` `"viewer"`

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

PUT /v1/projects/{project_name}/collaborators/{collaborator_id}

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

 Search

RESPONSE SAMPLES

- 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Delete collaborators from a project

Deletes a set of members from a project

PARAMETERS

Path Parameters 

project_name	string Required
	Project Name
collaborator_id	string Required
	User id of the collaborator

Header Parameters 

Authorization	string
	Access credentials in the form of a jwt token.

[!\[\]\(be6a4b1a6f880600e58e2b9346024538_img.jpg\) Search](#)

▼ 401 Unauthorized

▼ 404 Not Found

▼ 500 Internal error

DELETE /v1/projects/{project_name}/collaborators/{collaborator_id}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X DELETE \
https://:{HOSTNAME}:{PORT_NUMBER}/icp4d-api/v1/projects/{PROJECT_NAME}/collaborators/{collaborator_id} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

[!\[\]\(2783018b10235af8d41178d7b48d2541_img.jpg\) Search](#)

on a project with multiple users. Collaborators in Git and in ICPD can push their changes to the repository so that everyone has access to the changes.

Commit local changes and push them

Tracks all specified local file changes within the project, performing a commit. If commit_files is empty or not given, commits all files.

PARAMETERS

Path Parameters [\(?\)](#)

- project_name **string Required**
Project Name
-

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.
-

REQUEST BODY

Information for committing project to git. If commit_files is empty or not given, it commits all files.

- commit_files **Array of string**
List of files to commit
 - commit_message **string Required**
Commit message
-

Responses

[!\[\]\(d7d67177de2a91e5a078813e3d7be643_img.jpg\) Search](#)

▼ 404 Not Found

▼ 500 Internal error

POST /v1/projects/{project_name}/git/commit

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "commit_files": [ ],  
  "commit_message": "string"  
}
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not Found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Get Project git logs

🔍 Search

PARAMETERS

Path Parameters ?

- project_name string **Required**
Project Name

Header Parameters ?

- Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/projects/{project_name}/git/logs

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X POST \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME}/git/pull \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache'
```

🔍 Search

🟢 200 Success 🟥 401 Unauthorized 🟥 404 Not Found 🟥 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    - "ProjectLog": [  
        + { ... }  
    ]  
}
```

Pull new changes

Pulls changes for a project from remote workspace into local workspace

PARAMETERS

Path Parameters ?

— project_name string **Required**
Project Name

Header Parameters ?

— Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

[!\[\]\(6d251b8b9df23fa5fc2876461adf5768_img.jpg\) Search](#) **500 Internal error**

GET /v1/projects/{project_name}/git/pull

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/projects/{PROJECT_NAME}/git/pull \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache'
```

RESPONSE SAMPLES

 200 Success  401 Unauthorized  404 Not Found  500 Internal error

```
{
  "_messageCode": "200",
  "message": "Success"
}
```

Push changes to remote branch

[Search](#)

PARAMETERS

Path Parameters [\(?\)](#)

- project_name string **Required**
Project Name
-

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.
-

REQUEST BODY

Information for project push to git

- tagName string **Required**
Tag name for project push
-

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

POST /v1/projects/{project_name}/git/push

🔍 Search

```
{  
  "tagName": "string"  
}
```

RESPONSE SAMPLES

- 🟢 200 Success
- 🔴 401 Unauthorized
- 🔴 404 Not Found
- 🔴 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Jobs

The jobs APIs allow for the automation of asset execution and scheduling

Get all jobs in a project

Get list of all jobs in a given project. Optionally get only running jobs with the running query.

PARAMETERS

Path Parameters [\(?\)](#)

— project_name string **Required**
Project Name

[!\[\]\(a2a2f4919b784ef2b6a883057db6f175_img.jpg\) Search](#)

Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/projects/{project_name}/jobs

RESPONSE SAMPLES

● 200 Success ● 401 Unauthorized ● 404 Not Found ● 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    - "jobs": [  
        + { ... }  
    ]  
}
```

[Search](#)

PARAMETERS

Path Parameters [\(?\)](#)

— project_name **string Required**
Project Name

Header Parameters [\(?\)](#)

— Authorization **string**
Access credentials in the form of a jwt token.

REQUEST BODY

args	Array of string Default: <code>[]</code> Optional arguments
env	Array of string Default: <code>[]</code> Optional environment variables
execution_worker	string Required Valid values: <code>"RStudio with R 3.4.3"</code> <code>"Jupyter with Python 2.7, Scala 2.11, R 3.4.3"</code> <code>"Jupyter with Python 3.5, Scala 2.11, R 3.4.3"</code> <code>"Jupyter with Python 3.6, Scala 2.11"</code> <code>"Jupyter 4.4 and Python 3.5 for GPU"</code> <code>"SPSS Modeler"</code> Name of worker environment
job_description	string Short description for job
job_name	string Required Name for job
remoteOptions	Array of string

🔍 Search

	<p>Default: <code>"On demand"</code></p> <p>Optional run schedule. Defaults to run on demand</p>
run_type	<p>string Required</p> <p>Valid values: <code>"Script Run"</code> <code>"Notebook Run"</code> <code>"SPSS Modeler Flow Run"</code></p> <p>Type of job run</p>
source_asset_name	<p>string Required</p> <p>Name of source asset</p>
targetHost	<p>string</p> <p>Default: <code>""</code></p> <p>Defaults to local instance</p>

Responses

✓ 200 Success

✗ 400 Bad Request

✗ 401 Unauthorized

✗ 500 Internal error

POST /v1/projects/{project_name}/jobs

REQUEST SAMPLES

```
{  
  "args": [ ],
```

🔍 Search

```
    "remoteOptions": [ ],
    "run_schedule": "On demand",
    "run_type": "Script Run",
    "source_asset_name": "batch_score.py",
    "targetHost": ""

}
```

RESPONSE SAMPLES

- 200 Success ● 400 Bad Request ● 401 Unauthorized ● 500 Internal error

```
{
  "_messageCode_": "200",
  "message": "Success"
}
```

Get detailed job information

Get detailed information on a job. Including the job runs information including run id, status, and start time.

PARAMETERS

Path Parameters ?

project_name	string Required Project Name
job_name	string Required Job Name

[!\[\]\(e3605bb2c7f51881bd2898f5924b4e9d_img.jpg\) Search](#)

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/projects/{project_name}/jobs/{job_name}

RESPONSE SAMPLES

200 Success 401 Unauthorized 404 Not Found 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success",
```

[Search](#)

```
        "is_running": true,
        "job_name": "string",
        "job_type": "string",
        "last_run": 0,
        + "remote_options": [ ... ],
        + "runs": [ ... ],
        "schedule": "string",
        "source_asset": "string",
        "target_host": "string",
        "worker": "string"
    }
}
```

Delete project job

Delete a job given by job name

PARAMETERS

Path Parameters [\(?\)](#)

project_name	string Required
	Project Name
job_name	string Required
	Job Name

Header Parameters [\(?\)](#)

Authorization	string
	Access credentials in the form of a jwt token.

🔍 Search

▼ 401 Unauthorized

▼ 404 Not Found

▼ 500 Internal error

DELETE /v1/projects/{project_name}/jobs/{job_name}

RESPONSE SAMPLES

- 200 Success
- 401 Unauthorized
- 404 Not Found
- 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Get job run logs

Get the all of the jobs run logs

PARAMETERS

Path Parameters [\(?\)](#)

project_name string **Required**

🔍 Search

Query Parameters ?

- run_id string **Required**
Job run id

Header Parameters ?

- Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/projects/{project_name}/jobs/{job_name}/logs

RESPONSE SAMPLES

- 200 Success
- 401 Unauthorized
- 404 Not Found
- 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success",  
  "logs": "string"
```

[!\[\]\(3d1071fc11fdefd16db916b60f317f46_img.jpg\) Search](#)

Start or stop a job

Start a job with optional parameters in the body request. To stop a currently running job, provide the run id in the query field run_id. Otherwise run_id can be omitted signifying a trigger of a job.

PARAMETERS

Path Parameters

project_name	string Required
	Project Name
job_name	string Required
	Job Name

Query Parameters

run_id	string
	Run Id

Header Parameters

Authorization	string
	Access credentials in the form of a jwt token.

REQUEST BODY

args	Array of string
env	Array of string
remote_options	Array of string

[!\[\]\(27e8ecadb13eac0973e2390985352d26_img.jpg\) Search](#)

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

POST /v1/projects/{project_name}/jobs/{job_name}/run

REQUEST SAMPLES

```
{  
  - "args": [  
    "string"  
  ],  
  - "env": [  
    "string"  
  ],  
  - "remote_options": [  
    "string"  
  ],  
  "target_host": "string"  
}
```

RESPONSE SAMPLES

 200 Success  401 Unauthorized  404 Not Found  500 Internal error

[!\[\]\(e164acaa35fd9aaecde1e4c613f06f35_img.jpg\) Search](#)

Releases

Model Management and Deployment release management

Get a list of all releases

Provides the list of Project releases. Lists release name and route along with source project information if applicable.

PARAMETERS

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.
-

Responses

✓ **200 Success**

✗ **401 Unauthorized**

✗ **500 Internal error**

🔍 Search

GET /v1/releases

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

● 200 Success ● 401 Unauthorized ● 500 Internal error

```
{
  "_messageCode_": "200",
  "message": "Success",
  - "releases": [
    + { ... }
  ]
}
```

Create a blank release

This creates an empty release without importing from Watson Studio, file, or github. Takes a release name and route.

PARAMETERS

[!\[\]\(67885265554bbf2f62d13834ea3cc0e5_img.jpg\) Search](#)

REQUEST BODY

```
[{"release_name": "string Required", "release_route": "string Required"}]
```

Responses

✓ 200 Success

✗ 400 Bad Request

✗ 401 Unauthorized

✗ 403 Forbidden

✗ 500 Internal error

POST /v1/releases

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "release_name": "myRelease",  
  "release_route": "releaseRoute"  
}
```

[!\[\]\(7ecb6c287f81b83bcf8943b4f4153e99_img.jpg\) Search](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Get the details associated with the release

Provides more specific details about a project release. Such as launch status, locked status, and total number of deployments.

PARAMETERS

Path Parameters [\(?\)](#)

- release_route **string Required**
Release route

Header Parameters [\(?\)](#)

- Authorization **string**
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 403 Forbidden

[!\[\]\(39e4f7d5148013de2876b8420eea5a3c_img.jpg\) Search](#)

GET /v1/releases/{release_route}

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases/{RELEASE_ROUTE}/details \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [403 Forbidden](#) [404 Not Found](#) [500 Internal error](#)

```
{
  "_messageCode_": "200",
  "message": "Success",
  - "release_details": {
      "release_date_creation": "Thu Nov 15 2018",
      "release_deployments_count": 6,
      "release_id": 1542322407428,
      "release_launched": true,
      "release_locked": false,
      "release_name": "demo",
      "release_route": "demoroute",
      "source_project_name": "demoProj",
      "source_project_tag": "mytag"
    }
}
```

[Search](#)

Delete a release

PARAMETERS

Path Parameters [\(?\)](#)

- release_route string **Required**
Release route

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 400 Bad Request

✗ 401 Unauthorized

✗ 403 Forbidden

✗ 404 Not Found

✗ 500 Internal Error

DELETE /v1/releases/{release_route}

🔍 Search

```
curl -k -X DELETE \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases/{RELEASE_ROUTE} \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- 200 Success
- 400 Bad Request
- 401 Unauthorized
- 403 Forbidden
- 404 Not Found
- 500 Internal Error

```
{
  "_messageCode_": "200",
  "message": "Success"
}
```

Get all assets in the release

Retrieve assets in a given project release. Provides list of scripts, rstudio files, machine learning models, decision optimization models, jupyter notebooks, and flows.

PARAMETERS

Path Parameters (?)

—	release_route	string Required
		Release route

Header Parameters (?)

—	Authorization	string
---	---------------	--------

[!\[\]\(250ddad83f810f7b64bf106785fc3f16_img.jpg\) Search](#)

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 403 Forbidden

✗ 404 Not Found

✗ 500 Internal error

GET /v1/releases/{release_route}/assets

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases/{RELEASE_ROUTE}/assets \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [403 Forbidden](#) [404 Not Found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success",
```

🔍 Search

```
+ "models": [ ... ],  
  "rstudio": [ ],  
+ "scripts": [ ... ]  
}  
}
```

Add an asset to the release

Upload an existing dataset, script, or jupyter notebook to a project release.

PARAMETERS

Path Parameters ?

— release_route string **Required**
Release route

FormData Parameters ?

asset_name	string Required Name of the asset including extension
<hr/>	
asset_type	string Required Valid values: <code>"datasets"</code> <code>"jupyter"</code> <code>"scripts"</code> Type of the asset
<hr/>	
asset_file	file Required file to upload
<hr/>	

Header Parameters ?

— Authorization string
Access credentials in the form of a jwt token.

[!\[\]\(fb9cc00cac8391180ddad26103c1fc71_img.jpg\) Search](#)[!\[\]\(049d597a3ce65b40a91e32ef4eb7123b_img.jpg\) 200 Success](#)[!\[\]\(839e0f1c0af5042e66aa15f9b534f030_img.jpg\) 400 Bad Request](#)[!\[\]\(29c6afbfa4ca75f9595d1eba0dba9d2d_img.jpg\) 401 Unauthorized](#)[!\[\]\(bfa454d89ab7229fdda405d6804f608c_img.jpg\) 500 Internal error](#)

POST /v1/releases/{release_route}/assets

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X POST \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases/{RELEASE_ROUTE}/assets \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
-H 'content-type: multipart/form-data' \
-F asset_name={ASSET_NAME} \
-F asset_type={ASSET_TYPE} \
-F asset_file=@{PATH_TO_ASSET}
```

RESPONSE SAMPLES

 200 Success  400 Bad Request  401 Unauthorized  500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"
```

[Search](#)

Launches a release

Bring the release online. After a minute the pods will start and each enabled deployment will activate enabling its respective REST API endpoint. You cannot take a release offline; you can only delete the release.

PARAMETERS

Path Parameters [\(?\)](#)

- release_route string **Required**
Release route

Header Parameters [\(?\)](#)

- Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not found

✗ 500 Internal error

[!\[\]\(ece20b1e7549ed77e4577f643c1b4b1b_img.jpg\) Search](#)

POST /v1/releases/{release_route}/launch

REQUEST SAMPLES

[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X POST \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases/{RELEASE_ROUTE}/launch \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [404 Not found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Deployments

Model Management and Deployment deployment management

Get all deployments in a release

Retrieve a list of all deployments in a given project release.

🔍 Search

— release_route string **Required**
Release route

Header Parameters [\(?\)](#)

— Authorization string
Access credentials in the form of a jwt token.

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

GET /v1/releases/{release_route}/deployments

REQUEST SAMPLES

Curl Java Javascript Python

```
curl -k -X GET \
https://:{HOSTNAME}:31843/icp4d-api/v1/releases/{RELEASE_ROUTE}/deployments \
-H 'authorization: Bearer {AUTH_TOKEN}' \
-H 'cache-control: no-cache' \
```

🔍 Search

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    - "deployments": [  
        + { ... }  
    ]  
}
```

Create a deployment

Create a webservice, job, or app deployment

Job deployment type - Generates a REST API endpoint to start, stop, and get status for that job. The job can be ran on demand, and is visible to authenticated users only.

Webservice deployment type - Generates a REST API endpoint for an external application to call. The web service is visible to authenticated users only.

App deployment type - Creates a read-only snapshot of a jupyter notebook. Generates a URL that hosts the notebook code as an interactive UI session. You can specify the Shared with setting to be either Anyone with the link - Anyone outside person can view it. Any authenticated user - Only signed users can view it.

Deployment Admin - Only the creator of the project release can view it.

PARAMETERS

Path Parameters (?)

— release_route string Required
Release route

Query Parameters (?)

— type string Required
Valid values: "job" "app" "webservice"

[Search](#)

— Authorization string
Access credentials in the form of a jwt token.

REQUEST BODY

deployment_name string
Deployment name

model_type string
Valid values: `"sklearn"` `"keras"` `"xgboost"` `"rmodel"`
Model type to specify for webservice deployment of a model

server_specification ▾ deploymentServerSpecification

shared_with string
Valid values: `"all"` `"alldsxusers"` `"deployadmins"`
Shared with type used by app deployments

source_asset_name string
Full asset name including extension

source_asset_type string
Valid values: `"script"` `"model"` `"jupyter"`

Responses

✓ 200 Success

✗ 400 Bad Request

✗ 401 Unauthorized

✗ 403 Forbidden

✗ 404 Not Found

[!\[\]\(e8bd3b8b8de99e93aa607fad7d666a81_img.jpg\) Search](#)

POST /v1/releases/{release_route}/deployments

REQUEST SAMPLES

```
{  
    "deployment_name": "demodeployment",  
    "model_type": "sklearn",  
    - "server_specification": {  
        "args": [ ],  
        "environment_vars": [ ],  
        "replicas": 1,  
        + "resources": { ... },  
        "runtime_definition_name": "Jupyter with Python 2.7, Scala 2.11, R 3.4.3"  
    },  
    "shared_with": "all",  
    "source_asset_name": "test.py",  
    "source_asset_type": "scripts"  
}
```

RESPONSE SAMPLES

- 200 Success ○ 400 Bad Request ○ 401 Unauthorized ○ 403 Forbidden ○ 404 Not Found
- 500 Internal error

```
{  
    "_messageCode_": "200",  
    "message": "Success"  
}
```

🔍 Search

Returns details of the requested deployment as well as the REST API url and url options used to call the deployments' endpoint.

PARAMETERS

Path Parameters ?

release_route	string Required Release route
deployment_name	string Required Deployment Name

Query Parameters ?

deployment_manifest_type	string Required Valid values: "datasources" "domodel" "flows" "jobs" "jupyter" "models" "pyscript" "rscript" "shinyapp"
deployment_asset_name	string Required

Header Parameters ?

Authorization	string Access credentials in the form of a jwt token.
---------------	--

Responses

✓ 200 Success

✗ 401 Unauthorized

✗ 404 Not Found

✗ 500 Internal error

[Search](#)

GET /v1/releases/{release_route}/deployments/{deployment_name}

REQUEST SAMPLES

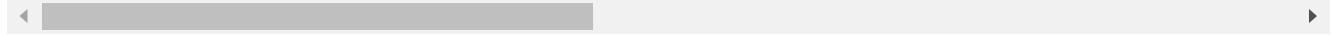
[Curl](#) [Java](#) [Javascript](#) [Python](#)

```
curl -k -X GET \
'https://{{HOSTNAME}}:31843/icp4d-api/v1/releases/{{RELEASE_ROUTE}}/deployments/{{DEPLOYMENT_NAME}}?deployment_manifest_type={{MANIFEST_TYPE}}&deployment_asset_name={{ASSET_NAME}}' \
-H 'authorization: Bearer {{AUTH_TOKEN}}' \
-H 'cache-control: no-cache' \
```

RESPONSE SAMPLES

- [200 Success](#)
- [401 Unauthorized](#)
- [404 Not Found](#)
- [500 Internal error](#)

```
{  
    "_messageCode_": "200",  
    "message": "Success",  
    - "deployment": {  
        "deployment_asset_name": "ScikitLearn35.jupyter-py36.ipynb",  
        "deployment_creation_date": "Sun, 18 Nov 2018 01:49:15 UTC",  
        "deployment_name": "jobdeploy",  
        "deployment_token": "Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiI  
        "deployment_type": "Job",  
        + "deployment_url": { ... },  
        "is_deployment_enabled": true,  
        "release_route": "demoroute",  
        "runtime_definition_name": "dsx-scripted-ml-python36"  
    }  
}
```



[Search](#)

Start, stop or restart a deployment

Start, stop, delete, or redeploy any deployment in the release. Note that if you redeploy a new version of any of the assets, the URL does not change.

PARAMETERS

Path Parameters [\(?\)](#)

release_route	string Required Release route
deployment_name	string Required Deployment Name

Header Parameters [\(?\)](#)

Authorization	string Access credentials in the form of a jwt token.
---------------	--

REQUEST BODY

action	deploymentAction (string) Valid values: <code>"start"</code> <code>"stop"</code> <code>"restart"</code>
deployment_asset_name	string Base asset name for deployment
deployment_manifest_type	deploymentManifestType (string) Valid values: <code>"datasources"</code> <code>"domodel"</code> <code>"flows"</code> <code>"jobs"</code> <code>"jupyter"</code> <code>"models"</code> <code>"pyscript"</code> <code>"rscript"</code> <code>"shinyapp"</code>

Responses

[!\[\]\(3254c27fb4c0c6dc433bd8ffe1465f03_img.jpg\) Search](#)

▼ 403 Forbidden

▼ 404 Not Found

▼ 500 Internal error

POST /v1/releases/{release_route}/deployments/{deployment_name}

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "action": "start",  
  "deployment_asset_name": "kerasBinary35",  
  "deployment_manifest_type": "models"  
}
```

RESPONSE SAMPLES

[200 Success](#) [401 Unauthorized](#) [403 Forbidden](#) [404 Not Found](#) [500 Internal error](#)

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

🔍 Search

PARAMETERS

Path Parameters (?)

release_route	string Required Release route
deployment_name	string Required Deployment Name

Header Parameters (?)

Authorization	string Access credentials in the form of a jwt token.
---------------	--

REQUEST BODY

deployment_asset_name	string Base asset name for deployment
deployment_manifest_type	deploymentManifestType (string) Valid values: "datasources" "domodel" "flows" "jobs" "jupyter" "models" "pyscript" "rscript" "shinyapp"

Responses

✓ 200 Success

✗ 400 Bad Request

✗ 401 Unauthorized

✗ 403 Forbidden

[!\[\]\(619c2253792d0c6bd4b18c8aa87331b5_img.jpg\) Search](#)

DELETE /v1/releases/{release_route}/deployments/{deployment_name}

REQUEST SAMPLES

[JSON](#) [Curl](#) [Java](#) [Javascript](#) [Python](#)

```
{  
  "deployment_asset_name": "KerasModel",  
  "deployment_manifest_type": "models"  
}
```

RESPONSE SAMPLES

- 200 Success
- 400 Bad Request
- 401 Unauthorized
- 403 Forbidden
- 404 Not Found
- 500 Internal error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

Monitor

Provides details on server status

[!\[\]\(920cb91db9b6093970a11642baa1b912_img.jpg\) Search](#)

Provides basic heartbeat endpoint to check if the icp4d open api server is running

Responses

✓ 200 Success

✗ default Error

GET /v1/monitor

RESPONSE SAMPLES

- 200 Success
- default Error

```
{  
  "_messageCode_": "200",  
  "message": "Success"  
}
```

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