

```
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Source Permissions API" keywords = ["grafana", "http", "documentation",
"api", "datasource", "permission", "permissions", "acl", "enterprise"] aliases =
["/docs/grafana/latest/http_api/datasourcepermissions/"] +++
```

Data Source Permissions API

The Data Source Permissions is only available in Grafana Enterprise.
Read more about [Grafana Enterprise]({{< relref "../enterprise" >}}).

If you are running Grafana Enterprise and have [Fine-grained access control]({{< relref "../enterprise/access-control/_index.md" >}}) enabled, for some endpoints you would need to have relevant permissions. Refer to specific resources to understand what permissions are required.

This API can be used to enable, disable, list, add and remove permissions for a data source.

Permissions can be set for a user or a team. Permissions cannot be set for Admins - they always have access to everything.

The permission levels for the permission field:

- 1 = Query

Enable permissions for a data source

POST /api/datasources/:id/enable-permissions

Enables permissions for the data source with the given id. No one except Org Admins will be able to query the data source until permissions have been added which permit certain users or teams to query the data source.

Required permissions

See note in the [introduction]({{< ref "#data-source-permissions-api" >}}) for an explanation.

Action	Scope
datasources.permissions:datasources:*	datasources:id:*datasources:id:1 (single data source)

Examples

Example request:

POST /api/datasources/1/enable-permissions
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pU1Y2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk

{}

Example response:

HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 35

{"message": "Datasource permissions enabled"}

Status codes:

- **200** - Ok
- **400** - Permissions cannot be enabled, see response body for details
- **401** - Unauthorized
- **403** - Access denied
- **404** - Datasource not found

Disable permissions for a data source

POST /api/datasources/:id/disable-permissions

Disables permissions for the data source with the given id. All existing permissions will be removed and anyone will be able to query the data source.

Required permissions

See note in the [introduction]({{< ref "#data-source-permissions-api" >}}) for an explanation.

Action	Scope
datasources.permissions:delete	datasources:*datasources:id:*datasources:id:1 (single data source)

Examples

Example request:

POST /api/datasources/1/disable-permissions
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pU1Y2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk

```
{}
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 35
```

```
{"message": "Datasource permissions disabled"}
```

Status codes:

- **200** - Ok
- **400** - Permissions cannot be disabled, see response body for details
- **401** - Unauthorized
- **403** - Access denied
- **404** - Datasource not found

Get permissions for a data source

GET /api/datasources/:id/permissions

Gets all existing permissions for the data source with the given id.

Required permissions

See note in the [introduction]({{< ref “#data-source-permissions-api” >}}) for an explanation.

Action	Scope
datasources.permissions.disable	datasources:*datasources:id:*datasources:id:1 (single data source)

Examples**Example request:**

```
GET /api/datasources/1/permissions HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pU1Y2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 551
```

```
{
  "datasourceId": 1,
  "enabled": true,
  "permissions":
  [
    {
      "id": 1,
      "datasourceId": 1,
      "userId": 1,
      "userLogin": "user",
      "userEmail": "user@test.com",
      "userAvatarUrl": "/avatar/46d229b033af06a191ff2267bca9ae56",
      "permission": 1,
      "permissionName": "Query",
      "created": "2017-06-20T02:00:00+02:00",
      "updated": "2017-06-20T02:00:00+02:00",
    },
    {
      "id": 2,
      "datasourceId": 1,
      "teamId": 1,
      "team": "A Team",
      "teamAvatarUrl": "/avatar/46d229b033af06a191ff2267bca9ae56",
      "permission": 1,
      "permissionName": "Query",
      "created": "2017-06-20T02:00:00+02:00",
      "updated": "2017-06-20T02:00:00+02:00",
    }
  ]
}
```

Status codes:

- **200** - Ok
- **401** - Unauthorized
- **403** - Access denied
- **404** - Datasource not found

Add permission for a data source

POST /api/datasources/:id/permissions

Adds a user permission for the data source with the given id.

Required permissions

See note in the [introduction]({{< ref "#data-source-permissions-api" >}}) for an explanation.

Action	Scope
<code>datasources.permissions:datasources:*datasources:id:*datasources:id:1</code>	<code>datasources:id:1</code> (single data source)

Examples

Example request:

```
POST /api/datasources/1/permissions
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pU1Y2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk
```

```
{
  "userId": 1,
  "permission": 1
}
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 35
```

```
{"message": "Datasource permission added"}
```

Adds a team permission for the data source with the given id.

Example request:

```
POST /api/datasources/1/permissions
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pU1Y2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk
```

```
{
  "teamId": 1,
  "permission": 1
}
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 35
```

```
{"message": "Datasource permission added"}
```

Status codes:

- **200** - Ok
- **400** - Permission cannot be added, see response body for details
- **401** - Unauthorized
- **403** - Access denied
- **404** - Datasource not found

Remove permission for a data source

DELETE /api/datasources/:id/permissions/:permissionId

Removes the permission with the given **permissionId** for the data source with the given **id**.

Required permissions

See note in the [introduction]({{< ref "#data-source-permissions-api" >}}) for an explanation.

Action	Scope
datasources.permissions.delete	datasources:*datasources:id:*datasources:id:1 (single data source)

Examples

Example request:

```
DELETE /api/datasources/1/permissions/2
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pU1Y2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 35
```

```
{"message": "Datasource permission removed"}
```

Status codes:

- **200** - Ok
- **401** - Unauthorized
- **403** - Access denied
- **404** - Datasource not found or permission not found