Reporting API

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{{< docs/shared lookup="developers/deprecated-apis.md" source="grafana" version="<GRAFANA_VERSION>" >}}

This API allows you to interact programmatically with the Reporting feature.

> The Reporting API is not stabilized yet, it is still in active development and may change without prior notice.

> Reporting is only available in Grafana Enterprise. Read more about Grafana Enterprise.

> If you are running Grafana Enterprise, for some endpoints you'll need to have specific permissions. Refer to Role-based access control permissions for more information.

List all reports

`GET /api/reports`

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports:read	reports:* reports:id:*

Example request

```
GET /api/reports HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 1840

[
  {
    "id": 2,
    "userId": 1,
    "orgId": 1,
    "name": "Report 2",
```

```
  "recipients": "example-report@grafana.com",
  "replyTo": "",
  "message": "Hi, \nPlease find attached a PDF status report. If you have any questions, feel free to contact me!\nBest,",
  "schedule": {
    "startDate": "2022-10-02T00:00:00+02:00",
    "endDate": null,
    "frequency": "once",
    "intervalFrequency": "",
    "intervalAmount": 0,
    "workdaysOnly": false,
    "dayOfMonth": "2",
    "timeZone": "Europe/Warsaw"
  },
  "options": {
    "orientation": "landscape",
    "layout": "grid",
  },
  "enableDashboardUrl": true,
  "state": "scheduled",
  "dashboards": [
    {
      "dashboard": {
        "id": 463,
        "uid": "7MeksYbmk",
        "name": "Alerting with TestData"
      },
      "reportVariables": {
        "namefilter": "TestData"
      }
    }
  ],
  "formats": [
    "pdf",
    "csv"
  ],
  "created": "2022-09-19T11:44:42+02:00",
  "updated": "2022-09-19T11:44:42+02:00"
}
```

```
]
```

Status Codes

- **200** – OK
- **401** - Authentication failed, refer to Authentication.
- **500** – Unexpected error or server misconfiguration. Refer to server logs for more details.

Get a report

`GET /api/reports/:id`

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports:read	reports:* reports:id:* reports:id:1(single report)

Example request

```
GET /api/reports/2 HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 940

{
  "id": 2,
```

```
{"userId": 1,
"orgId": 1,
"name": "Report 2",
"recipients": "example-report@grafana.com",
"replyTo": "",
"message": "Hi, \nPlease find attached a PDF status report. If you have any questions, feel free to contact me!\nBest,",
"schedule": {
"startDate": "2022-10-02T00:00:00+02:00",
"endDate": null,
"frequency": "once",
"intervalFrequency": "",
"intervalAmount": 0,
"workdaysOnly": false,
"dayOfMonth": "2",
"timeZone": "Europe/Warsaw"
},
"options": {
"orientation": "landscape",
"layout": "grid",
},
"enableDashboardUrl": true,
"state": "scheduled",
"dashboards": [
{
"dashboard": {
"id": 463,
"uid": "7MeksYbmk",
"name": "Alerting with TestData"
},
"timeRange": {
"from": "",
"to": ""
},
"reportVariables": {
"namefilter": "TestData"
}
}
],
```

```
  "formats": [
    "pdf",
    "csv"
  ],
  "created": "2022-09-12T11:44:42+02:00",
  "updated": "2022-09-12T11:44:42+02:00"
}
```


Status Codes

- **200** – OK
- **400** – Bad request (invalid report ID).
- **401** - Authentication failed, refer to Authentication.
- **403** – Forbidden (access denied to a report or a dashboard used in the report).
- **404** – Not found (such report does not exist).
- **500** – Unexpected error or server misconfiguration. Refer to server logs for more details.

Create a report

`POST /api/reports`

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports:create	n/a

Example request

```
POST /api/reports HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>

{
  "name": "Report 4",
```

```
{"recipients": "texample-report@grafana.com",
"replyTo": "",
"message": "Hello, please, find the report attached",
"schedule": {
"startDate": "2022-10-02T10:00:00+02:00",
"endDate": "2022-11-02T20:00:00+02:00",
"frequency": "daily",
"intervalFrequency": "",
"intervalAmount": 0,
"workdaysOnly": true,
"timeZone": "Europe/Warsaw"
},
"options": {
"orientation": "landscape",
"layout": "grid"
},
"enableDashboardUrl": true,
"dashboards": [
{
"dashboard": {
"uid": "7MeksYbmk",
},
"timeRange": {
"from": "2022-08-08T15:00:00+02:00",
"to": "2022-09-02T17:00:00+02:00"
},
"reportVariables": {
"variable1": "Value1"
}
}
],
"formats": [
"pdf",
"csv"
]
}
```


Config JSON Body Schema

Field name	Data type	Description

name	string	Name of the report that is used as an email subject.
recipients	string	Comma-separated list of emails to which to send the report to.
replyTo	string	Comma-separated list of emails used in a reply-to field of the report email.
message	string	Text message used for the body of the report email.
startDate	string	Report distribution starts from this date.
endDate	string	Report distribution ends on this date.
frequency	string	Specifies how often the report should be sent. Can be `once`, `hourly`, `daily`, `weekly`, `monthly`, `last` or `custom`. `last` - schedules the report for the last day of month. `custom` - schedules the report to be sent on a custom interval. It requires `intervalFrequency` and `intervalAmount` to be specified: for example, every 2 weeks, where 2 is an `intervalAmount` and `weeks` is an `intervalFrequency`.
intervalFrequency	string	The type of the `custom` interval: `hours`, `days`, `weeks`, `months`.
intervalAmount	number	`custom` interval amount.
workdaysOnly	string	Send the report only on Monday-Friday. Applicable to `hourly` and `daily` types of schedule.
timeZone	string	Time zone used to schedule report execution.
orientation	string	Can be `portrait` or `landscape`.
layout	string	Can be `grid` or `simple`.
enableDashboardUrl	bool	Adds a dashboard url to the bottom of the report email.
formats	[]string	Specified what kind of attachment to generate for the report - `csv`, `pdf`, `image`. `pdf` is the default one. `csv` attaches a CSV file for each table panel. `image` embeds an image of a dashboard into the email's body.

dashboards	[]object	Dashboards to generate a report for. See "Report Dashboard Schema" section below.

Report Dashboard Schema

Field name	Data type	Description
dashboard.uid	string	Dashboard UID.
timeRange.from	string	Dashboard time range from.
timeRange.to	string	Dashboard time range to.
reportVariables.	string	Key-value pairs containing the template variables for this report, in JSON format. If empty, the template variables from the report's dashboard will be used.

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 35

{
  "id": 4,
  "message": "Report created"
}
```

Status Codes

- **200** – OK
- **400** – Bad request (invalid json, missing or invalid fields values, etc.).
- **403** - Forbidden (access denied to a report or a dashboard used in the report).
- **500** - Unexpected error or server misconfiguration. Refer to server logs for more details

Update a report

`PUT /api/reports/:id`

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports:write	reports:*reports:id:*reports:1(single report)

Example request

See JSON body schema for fields description.

```
GET /api/reports HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>

{
  "name": "Updated Report",
  "recipients": "example-report@grafana.com",
  "replyTo": "",
  "message": "Hello, please, find the report attached",
  "schedule": {
    "frequency": "hourly",
    "timeZone": "Africa/Cairo",
    "workdaysOnly": true,
    "startDate": "2022-10-10T10:00:00+02:00",
    "endDate": "2022-11-20T19:00:00+02:00"
  },
  "options": {
    "orientation": "landscape",
    "layout": "grid",
  },
  "enableDashboardUrl": true,
  "state": "scheduled",
  "dashboards": [
    {
      "dashboard": {
        "id": 463,
```

```
□□□□"uid": "7MeksYbmk",
□□□□"name": "Alerting with TestData"
□□□},
□□□"timeRange": {
□□□□"from": "2022-08-08T15:00:00+02:00",
□□□□"to": "2022-09-02T17:00:00+02:00"
□□□},
□□□"reportVariables": {
□□□□"variable1": "Value1"
□□□}
□□}
□],
□"formats": [
□□"pdf",
□□"csv"
□]
}
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 28

{
□"message": "Report updated"
}
```

Status Codes

- **200** – OK
- **400** – Bad request (invalid json, missing or invalid fields values, etc.).
- **401** - Authentication failed, refer to Authentication API.
- **403** – Forbidden (access denied to a report or a dashboard used in the report).
- **404** – Not found (such report does not exist).
- **500** – Unexpected error or server misconfiguration. Refer to server logs for more details.

Delete a report

`DELETE /api/reports/:id`

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports:delete	reports:*reports:id:*reports:1(single report)

Example request

```
DELETE /api/reports/6 HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 39

{
"message": "Report config was removed"
}
```

Status Codes

- **200** – OK
- **400** – Bad request (invalid report ID).
- **401** - Authentication failed, refer to Authentication API.
- **404** - Not found (report with this ID does not exist).
- **500** - Unexpected error or server misconfiguration. Refer to server logs for more details

Send a report

`POST /api/reports/email`

Generate and send a report. This API waits for the report to be generated before returning. We recommend that you set the client's timeout to at least 60 seconds.

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports:send	n/a

Example request

```
POST /api/reports/email HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>

{
  "id":"3",
  "useEmailsFromReport": true
}
```

JSON Body Schema

Field name	Data type	Description
id	string	ID of the report to send. It is the same as in the URL when editing a report, not to be confused with the ID of the dashboard. Required.
emails	string	Comma-separated list of emails to which to send the report to. Overrides the emails from the report. Required if `useEmailsFromReport` is not present.
useEmailsFromReport	boolean	Send the report to the emails specified in the report. Required if `emails` is not present.

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 29

{"message":"Report was sent"}
```

Status Codes

- **200** – Report was sent.
- **400** – Bad request (invalid json, missing content-type, missing or invalid fields, etc.).
- **401** - Authentication failed, refer to Authentication API.
- **403** - Forbidden (access denied to a report or a dashboard used in the report).
- **404** - Report not found.
- **500** - Unexpected error or server misconfiguration. Refer to server logs for more details.

Get reports branding settings

`GET /api/reports/settings`

Returns reports branding settings that are global and used across all the reports.

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports.settings:read	n/a

Example request

```
GET /api/reports/settings HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 181

{
  "id": 1,
  "userId": 1,
  "orgId": 1,
  "branding": {
    "reportLogoUrl": "",
    "emailLogoUrl": "",
    "emailFooterMode": "sent-by",
    "emailFooterText": "Grafana Labs",
    "emailFooterLink": "https://grafana.com/"
  }
}
```

Status Codes

- **200** – OK
- **401** - Authentication failed, refer to Authentication API.
- **500** - Unexpected error or server misconfiguration. Refer to server logs for more detail

Save reports branding settings

`POST /api/reports/settings`

Creates settings if they don't exist, otherwise updates them. These settings are global and used across all the reports.

Required permissions

See note in the introduction for an explanation.

Action	Scope

reports.settings:write	n/a

Example request

```
POST /api/reports/settings HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>

{
  "branding": {
    "reportLogoUrl": "https://grafana.com/reportLogo.jpg",
    "emailLogoUrl": "https://grafana.com/emailLogo.jpg",
    "emailFooterMode": "sent-by",
    "emailFooterText": "Grafana Labs",
    "emailFooterLink": "https://grafana.com/"
  }
}
```

JSON Body Schema

Field name	Data type	Description
branding.reportLogoUrl	string	URL of an image used as a logo on every page of the report.
branding.emailLogoUrl	string	URL of an image used as a logo in the email.
branding.emailFooterMode	string	Can be `sent-by` or `none`. `sent-by` adds a "Sent by `branding.emailFooterText`" footer link to the email. Requires specifying values in the `branding.emailFooterText` and `branding.emailFooterLink` fields. `none` suppresses adding a "Sent by" footer link to the email.
branding.emailFooterText	string	Text of a URL added to the email "Sent by" footer.
branding.emailFooterLink	string	URL address value added to the email "Sent by" footer.

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 35

{
"message": "Report settings saved"
}
```

Status Codes

- **200** – OK
- **400** – Bad request (invalid json, missing or invalid fields values, etc.).
- **401** - Authentication failed, refer to Authentication API.
- **500** - Unexpected error or server misconfiguration. Refer to server logs for more detail

Send a test email

`POST /api/reports/test-email`

Sends a test email with a report without persisting it in the database.

Required permissions

See note in the introduction for an explanation.

Action	Scope
reports:send	n/a

Example request

See JSON body schema for fields description.

```
POST /api/reports/test-email HTTP/1.1
Accept: application/json
```

```
Content-Type: application/json
Authorization: Bearer <SERVICE_ACCOUNT_TOKEN>

{{
  "name": "Report 4",
  "recipients": "example-report@grafana.com",
  "replyTo": "",
  "message": "Hello, please, find the report attached",
  "schedule": {
    "startDate": "2022-10-02T10:00:00+02:00",
    "endDate": "2022-11-02T20:00:00+02:00",
    "frequency": "daily",
    "intervalFrequency": "",
    "intervalAmount": 0,
    "workdaysOnly": true,
    "timeZone": "Europe/Warsaw"
  },
  "options": {
    "orientation": "landscape",
    "layout": "grid"
  },
  "enableDashboardUrl": true,
  "dashboards": [
    {
      "dashboard": {
        "uid": "7MeksYbmk",
      },
      "timeRange": {
        "from": "2022-08-08T15:00:00+02:00",
        "to": "2022-09-02T17:00:00+02:00"
      },
      "reportVariables": {
        "variable1": "Value1"
      }
    }
  ],
  "formats": [
    "pdf",
    "csv"
```

```
]
}
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 29

{
"message": "Test email sent"
}
```

Status Codes

- **200** – OK
- **400** – Bad request (invalid json, missing or invalid fields values, etc.).
- **401** - Authentication failed, refer to Authentication API.
- **403** - Forbidden (access denied to a report or a dashboard used in the report).
- **500** - Unexpected error or server misconfiguration. Refer to server logs for more details

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□□□ #2
□ □□□ □□□ 2026-10-31 16:07:55 UTC
□ □□□ □□□ 2026-10-31 16:08:01 UTC