+++ title = "Dashboard Versions HTTP API" description = "Grafana Dashboard Versions HTTP API" keywords = ["grafana", "http", "documentation", "api", "dashboard", "versions"] aliases = ["/docs/grafana/latest/http_api/dashboardversions/"] +++

Dashboard Versions

Get all dashboard versions

Query parameters:

- **limit** - Maximum number of results to return
- **start** - Version to start from when returning queries

```
GET /api/dashboards/id/:dashboardId/versions
```

Gets all existing dashboard versions for the dashboard with the given `dashboardId`.

Example request for getting all dashboard versions:

```
GET /api/dashboards/id/1/versions?limit=2?start=0 HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pUlY2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk
```

Example Response

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 428

[
  {
    "id": 2,
    "dashboardId": 1,
    "parentVersion": 1,
    "restoredFrom": 0,
    "version": 2,
    "created": "2017-06-08T17:24:33-04:00",
    "createdBy": "admin",
    "message": "Updated panel title"
  },
  {
    "id": 1,
    "dashboardId": 1,
    "parentVersion": 0,
    "restoredFrom": 0,
    "version": 1,
```

```
    "created": "2017-06-08T17:23:33-04:00",
    "createdBy": "admin",
    "message": "Initial save"
  }
]
```

Status Codes:

- **200** - Ok
- **400** - Errors
- **401** - Unauthorized
- **404** - Dashboard version not found

Get dashboard version

`GET /api/dashboards/id/:dashboardId/versions/:version`

Get the dashboard version with the given version, for the dashboard with the given id.

Example request for getting a dashboard version:

```
GET /api/dashboards/id/1/versions/1 HTTP/1.1
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiT0tTcG1pUlY2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk
```

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 1300

{
  "id": 1,
  "dashboardId": 1,
  "parentVersion": 0,
  "restoredFrom": 0,
  "version": 1,
  "created": "2017-04-26T17:18:38-04:00",
  "message": "Initial save",
  "data": {
    "annotations": {
      "list": [

      ]
    },
    "editable": true,
    "gnetId": null,
```

```
"graphTooltip": 0,
"hideControls": false,
"id": 1,
"links": [

],
"rows": [
  {
    "collapse": false,
    "height": "250px",
    "panels": [

    ],
    "repeat": null,
    "repeatIteration": null,
    "repeatRowId": null,
    "showTitle": false,
    "title": "Dashboard Row",
    "titleSize": "h6"
  }
],
"schemaVersion": 14,
"style": "dark",
"tags": [

],
"templating": {
  "list": [

  ]
},
"time": {
  "from": "now-6h",
  "to": "now"
},
"timepicker": {
  "refresh_intervals": [
    "5s",
    "10s",
    "30s",
    "1m",
    "5m",
    "15m",
    "30m",
    "1h",
    "2h",
```

```
        "1d"
      ],
      "time_options": [
        "5m",
        "15m",
        "1h",
        "6h",
        "12h",
        "24h",
        "2d",
        "7d",
        "30d"
      ]
    },
    "timezone": "browser",
    "title": "test",
    "version": 1
  },
  "createdBy": "admin"
}
```

Status Codes:

- **200** - Ok
- **401** - Unauthorized
- **404** - Dashboard version not found

Restore dashboard

`POST /api/dashboards/id/:dashboardId/restore`

Restores a dashboard to a given dashboard version.

Example request for restoring a dashboard version:

```
POST /api/dashboards/id/1/restore
Accept: application/json
Content-Type: application/json
Authorization: Bearer eyJrIjoiTOtTcG1pUlY2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk

{
  "version": 1
}
```

JSON body schema:

- **version** - The dashboard version to restore to

Example response:

```
HTTP/1.1 200 OK
Content-Type: application/json; charset=UTF-8
Content-Length: 67

{
  "slug": "my-dashboard",
  "status": "success",
  "version": 3
}
```

JSON response body schema:

- **slug** - the URL friendly slug of the dashboard's title
- **status** - whether the restoration was successful or not
- **version** - the new dashboard version, following the restoration

Status codes:

- **200** - OK
- **401** - Unauthorized
- **404** - Not found (dashboard not found or dashboard version not found)
- **500** - Internal server error (indicates issue retrieving dashboard tags from database)

Example error response

```
HTTP/1.1 404 Not Found
Content-Type: application/json; charset=UTF-8
Content-Length: 46

{
  "message": "Dashboard version not found"
}
```

JSON response body schema:

- **message** - Message explaining the reason for the request failure.

Compare dashboard versions

POST /api/dashboards/calculate-diff

Compares two dashboard versions by calculating the JSON diff of them.

Example request:

```
POST /api/dashboards/calculate-diff HTTP/1.1
Accept: text/html
Content-Type: application/json
Authorization: Bearer eyJrIjoiTOtTcG1pUlY2RnVKZTFVaDFsNFZXdE9ZWmNrMkZYbk
```

```
{
  "base": {
    "dashboardId": 1,
    "version": 1
  },
  "new": {
    "dashboardId": 1,
    "version": 2
  },
  "diffType": "json"
}
```

JSON body schema:

- **base** - an object representing the base dashboard version
- **new** - an object representing the new dashboard version
- **diffType** - the type of diff to return. Can be "json" or "basic".

Example response (JSON diff):

```
HTTP/1.1 200 OK
Content-Type: text/html; charset=UTF-8


<p id="l1" class="diff-line diff-json-same">
  <!-- Diff omitted -->
</p>
```

The response is a textual representation of the diff, with the dashboard values being in JSON, similar to the diffs seen on sites like GitHub or GitLab.

Status Codes:

- **200** - Ok
- **400** - Bad request (invalid JSON sent)
- **401** - Unauthorized
- **404** - Not found

Example response (basic diff):

```
HTTP/1.1 200 OK
Content-Type: text/html; charset=UTF-8


<div class="diff-group">
  <!-- Diff omitted -->
</div>
```

The response here is a summary of the changes, derived from the diff between the two JSON objects.

Status Codes:

- **200** - OK

- **400** - Bad request (invalid JSON sent)
- **401** - Unauthorized
- **404** - Not found