



Storage cluster metrics

REST API reference

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Table of Contents

- Storage cluster metrics. 1
 - ONTAP REST API storage cluster metrics endpoints 1
 - Overview 1
 - Examples 1

Storage cluster metrics

ONTAP REST API storage cluster metrics endpoints

Overview

Retrieves cluster-wide historical capacity metrics.

Examples

Retrieving cluster-wide historical space metrics for the past day

```
# The API:
/api/storage/cluster/metrics

# The call:
curl -X GET "https://<mgmt-
ip>/api/storage/cluster/metrics?interval=1d&fields=**" -H "accept:
application/hal+json"

# The response:
Snipped most of the records
{
  "records": [
    {
      "uuid": "03ca3ef6-8173-11ef-825d-005056bb2d85",
      "timestamp": "2024-10-07T03:17:45Z",
      "status": "ok",
      "duration": "PT15S",
      "available_space": 862216192,
      "used_space": 1810432,
      "size": 864026624,
      "_links": {
        "self": {
          "href": "/api/storage/cluster/metrics/2024-10-
07T03%3A17%3A45Z?fields=**"
        }
      }
    },
    {
      "uuid": "03ca3ef6-8173-11ef-825d-005056bb2d85",
      "timestamp": "2024-10-07T02:18:00Z",
      "status": "partial_no_data",
      "duration": "PT15S",
      "available_space": 0,
      "used_space": 0,
```

```

    "size": 0,
    "_links": {
      "self": {
        "href": "/api/storage/cluster/metrics/2024-10-07T02%3A18%3A00Z?fields=**"
      }
    }
  },
  "num_records": 240,
  "_links": {
    "self": {
      "href": "/api/storage/cluster/metrics?fields=**"
    }
  }
}

```

Retrieving historical metrics within a time range defined by timestamp

```

curl -X GET "https://<mgmt-ip>/api/storage/cluster/metrics?fields=**&timestamp=2024-10-07T03:36:45Z..2024-10-07T03:36:30Z" -H "accept: application/hal+json"

#### Response:
{
  "records": [
    {
      "uuid": "03ca3ef6-8173-11ef-825d-005056bb2d85",
      "timestamp": "2024-10-07T03:36:45Z",
      "status": "ok",
      "duration": "PT15S",
      "available_space": 862183424,
      "used_space": 1843200,
      "size": 864026624,
      "_links": {
        "self": {
          "href": "/api/storage/cluster/metrics/2024-10-07T03%3A36%3A45Z?fields=**"
        }
      }
    },
    {
      "uuid": "03ca3ef6-8173-11ef-825d-005056bb2d85",
      "timestamp": "2024-10-07T03:36:30Z",
      "status": "ok",

```

```
"duration": "PT15S",
"available_space": 862183424,
"used_space": 1843200,
"size": 864026624,
"_links": {
  "self": {
    "href": "/api/storage/cluster/metrics/2024-10-07T03%3A36%3A30Z?fields=**"
  }
}
],
"num_records": 2,
"_links": {
  "self": {
    "href": "/api/storage/cluster/metrics?fields=**&timestamp=2024-10-07T03:36:45Z..2024-10-07T03:36:30Z"
  }
}
}
```

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