



Storage

ONTAP automation

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Storage

List the aggregates using the ONTAP REST API

You can retrieve a list of aggregates in the cluster. You might do this to assess utilization and performance.

HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
GET	/api/storage/disks

Processing type

Synchronous

Additional input parameters for the Curl examples

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

Parameter	Type	Required	Description
node.name	Query	No	Can be used to identify the node each aggregate is attached to.

Curl example: return all aggregates with the default configuration values

```
1 curl --request GET \
2 --location "https://$FQDN_IP/api/storage/aggregates" \
3 --include \
4 --header "Accept: */*" \
5 --header "Authorization: Basic $BASIC_AUTH"
```

Curl example: return all aggregates with a specific configuration value

```
1 curl --request GET \
2 --location "https://$FQDN_IP/api/storage/aggregates?fields=node.name" \
3 --include \
4 --header "Accept: */*" \
5 --header "Authorization: Basic $BASIC_AUTH"
```

JSON output example

```
{  
  "records": [  
    {  
      "uuid": "760d8137-fc59-47da-906a-cc28db0a1c1b",  
      "name": "sti214_vsim_sr027o_aggr1",  
      "node": {  
        "name": "sti214-vsim-sr027o"  
      },  
      "_links": {  
        "self": {  
          "href": "/api/storage/aggregates/760d8137-fc59-47da-906a-  
cc28db0a1c1b"  
        }  
      }  
    },  
    "num_records": 1,  
    "_links": {  
      "self": {  
        "href": "/api/storage/aggregates?fields=node.name"  
      }  
    }  
  }  
}
```

List the disks using the ONTAP REST API

You can retrieve a list of disks in the cluster. You might do this to locate one or more spares to use as part of creating an aggregate.

HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
GET	/api/storage/disks

Processing type

Synchronous

Additional input parameters for the Curl examples

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

Parameter	Type	Required	Description
state	Query	No	Can be used to identify the spare disks available for new aggregates.

Curl example: return all the disks

```

1 curl --request GET \
2 --location "https://$FQDN_IP/api/storage/disks" \
3 --include \
4 --header "Accept: */*" \
5 --header "Authorization: Basic $BASIC_AUTH"
```

Curl example: return spare disks

```

1 curl --request GET \
2 --location "https://$FQDN_IP/api/storage/disks?state=spare" \
3 --include \
4 --header "Accept: */*" \
5 --header "Authorization: Basic $BASIC_AUTH"
```

JSON output example

```
{  
  "records": [  
    {  
      "name": "NET-1.20",  
      "state": "spare",  
      "_links": {  
        "self": {  
          "href": "/api/storage/disks/NET-1.20"  
        }  
      }  
    },  
    {  
      "name": "NET-1.12",  
      "state": "spare",  
      "_links": {  
        "self": {  
          "href": "/api/storage/disks/NET-1.12"  
        }  
      }  
    },  
    {  
      "name": "NET-1.7",  
      "state": "spare",  
      "_links": {  
        "self": {  
          "href": "/api/storage/disks/NET-1.7"  
        }  
      }  
    }  
  ],  
  "num_records": 3,  
  "_links": {  
    "self": {  
      "href": "/api/storage/disks?state=spare"  
    }  
  }  
}
```

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