



Use the REST API

AFX

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Use the REST API

Learn about the AFX storage system REST API

The REST API provided with AFX is based on the Unified ONTAP REST API. There are a number of changes which adapt it to the unique characteristics and capabilities of the AFX personality.

Unsupported features

AFX is a high-performance NAS and S3 storage system. It enables clients to access data using NFS, SMB/CIFS, and S3. Because of this specialization, there are several unsupported features including:

- Metrocluster
- Storage area networking (SAN)
- Disk aggregates

Removed API endpoints

Several endpoints have been removed from the REST API corresponding to the unsupported features.

List of unsupported endpoints

```
/cluster/counter/tables
/cluster/metrocluster
/cluster/metrocluster/diagnostics
/cluster/metrocluster/dr-groups
/cluster/metrocluster/interconnects
/cluster/metrocluster/nodes
/cluster/metrocluster/operations
/cluster/metrocluster/svms
/network/fc/fabrics
/network/fc/interfaces
/network/fc/logins
/network/fc/ports
/network/fc/wwpn-aliases
/protocols/nvme/interfaces
/protocols/nvme/services
/protocols/nvme/subsystem-controllers
/protocols/nvme/subsystem-maps
/protocols/nvme/subsystems
/protocols/san/fcp/services
/protocols/san/igroups
/protocols/san/initiators
/protocols/san/iscsi/credentials
/protocols/san/iscsi/services
/protocols/san/iscsi/sessions
/protocols/san/lun-maps
/protocols/san/portsets
/protocols/san/vvol-bindings
/storage/luns
/storage/namespaces
```

Related information

- [ONTAP automation](#)
- [REST API support for ASA r2](#)

Your first AFX storage system REST API call

You can issue a simple curl command to get started using the AFX REST API and confirm its availability.

About this task

AFX is one of three ONTAP personalities available from NetApp. You can issue a REST API call to determine

the personality of your ONTAP cluster. You can also use System Manager or the CLI to determine the ONTAP personality; see the FAQ page for details.

Before you begin

In addition to having the curl utility available on your local workstation, you'll need the following:

- IP address or FQDN of the AFX system cluster management LIF
- ONTAP credentials for an account with authority to access the ONTAP REST API

Steps

1. Issue the following command at the CLI of your local workstation:

```
curl --request GET \
"https://$FQDN_IP/api/cluster?fields=disaggregated,san_optimized" \
--user username:password
```

2. Based on the response, determine the ONTAP personality as follows:

- If “disaggregated” is **true** and:
 - If “san_optimized” is **false** the personality is AFX
 - If “san_optimized” is **true** the personality is ASA r2
- If “disaggregated” is **false** the personality is Unified ONTAP

Related information

- [FAQ for AFX storage systems](#)

REST API reference for the AFX storage system

The AFX REST API reference contains details about all the API calls. This documentation is helpful when developing automation applications.

Before you begin

You'll need the following:

- IP address or FQDN of the AFX cluster management LIF
- Credentials for a cluster administrator account

Steps

1. Connect your web browser to the cluster management IP address or domain name:

`https://$FQDN_IP_PORT/docs/api`

Example

`https://10.61.25.33/docs/api`

2. Provide the username and password if prompted.
3. Scroll down to the **Cluster** category and select **GET** next to the endpoint `/cluster` for an example of an

individual API call.

Related information

- [ONTAP REST API reference](#)

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