HPE OneView Global Dashboard REST API

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#letshackshack

Leveraging the power of HPE OneView for large, mixed, and distributed environments

Simplifies the management of multiple HPE platforms

Tracks the health and status of each server

Alerts administrators to any data center issues in real time

Gathers critical information for every server from each appliance

HPE OneView

What about collating data from multiple HPE OneView instances?

Need a single tool that connects multiple platforms, worldwide

That can check and report on the status of all infrastructure

That enables real-time issue resolution in any data center

And delivers relevant information to the right people automatically

HPE OneView Global Dashboard

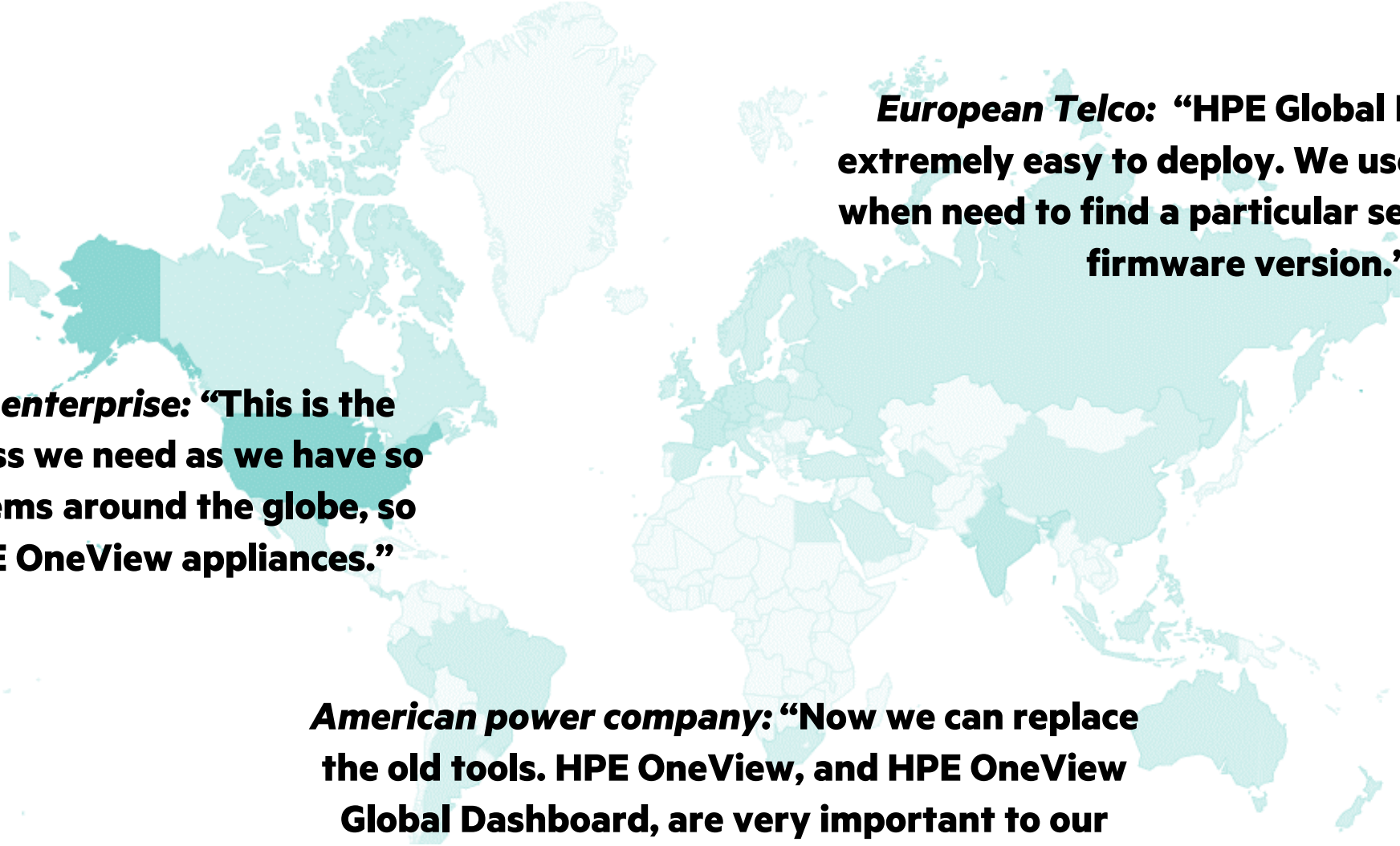
Unify management with HPE OneView Global Dashboard

Supporting up to 75 appliances and thousands of systems

- Provide unified view of health and alerting of resources managed by HPE OneView including HPE Synergy, C-Class, DL, ML, Apollo, HC380, and SimpliVity
- Instant search results for devices of interest
- In-context launch to HPE OneView, iLO and OA with single sign-on
- **NEW** Flexible access to health and inventory data with HPE Global Dashboard API
- Delivered as a virtual appliance at no extra cost
- Supports HPE OneView 3.1, 4.0 and 4.1
- Integrated reporting

HPE OneView Global Dashboard around the globe!

— Over 1,750 customers are using HPE OneView Global Dashboard



European Telco: **"HPE Global Dashboard is extremely easy to deploy. We use it extensively when need to find a particular server or check a firmware version."**

American enterprise: **"This is the pane of glass we need as we have so many systems around the globe, so many HPE OneView appliances."**

American power company: **"Now we can replace the old tools. HPE OneView, and HPE OneView Global Dashboard, are very important to our efforts."**

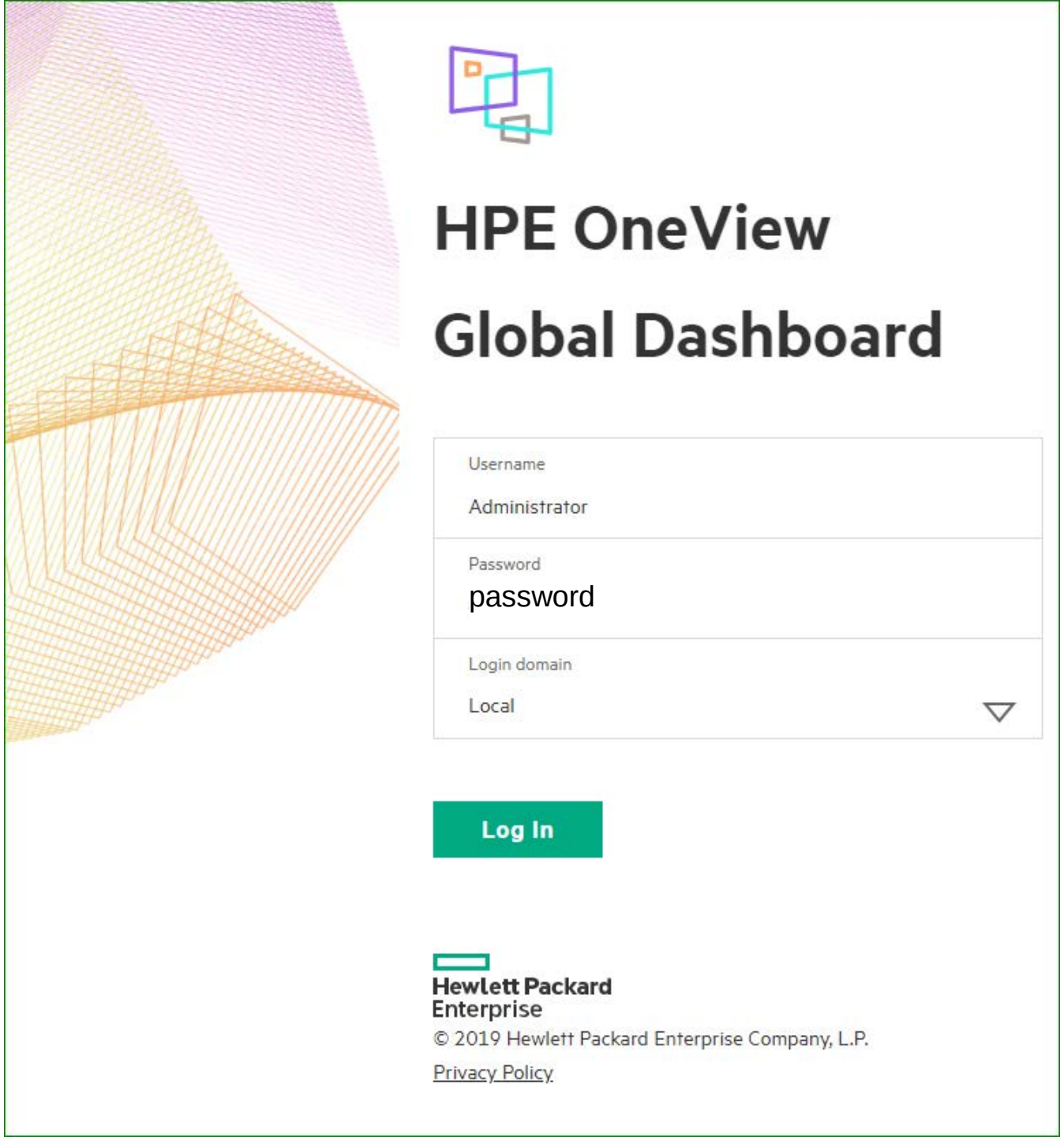
REST API

Follow along lab 1

Accessing the API Interactive Documentation

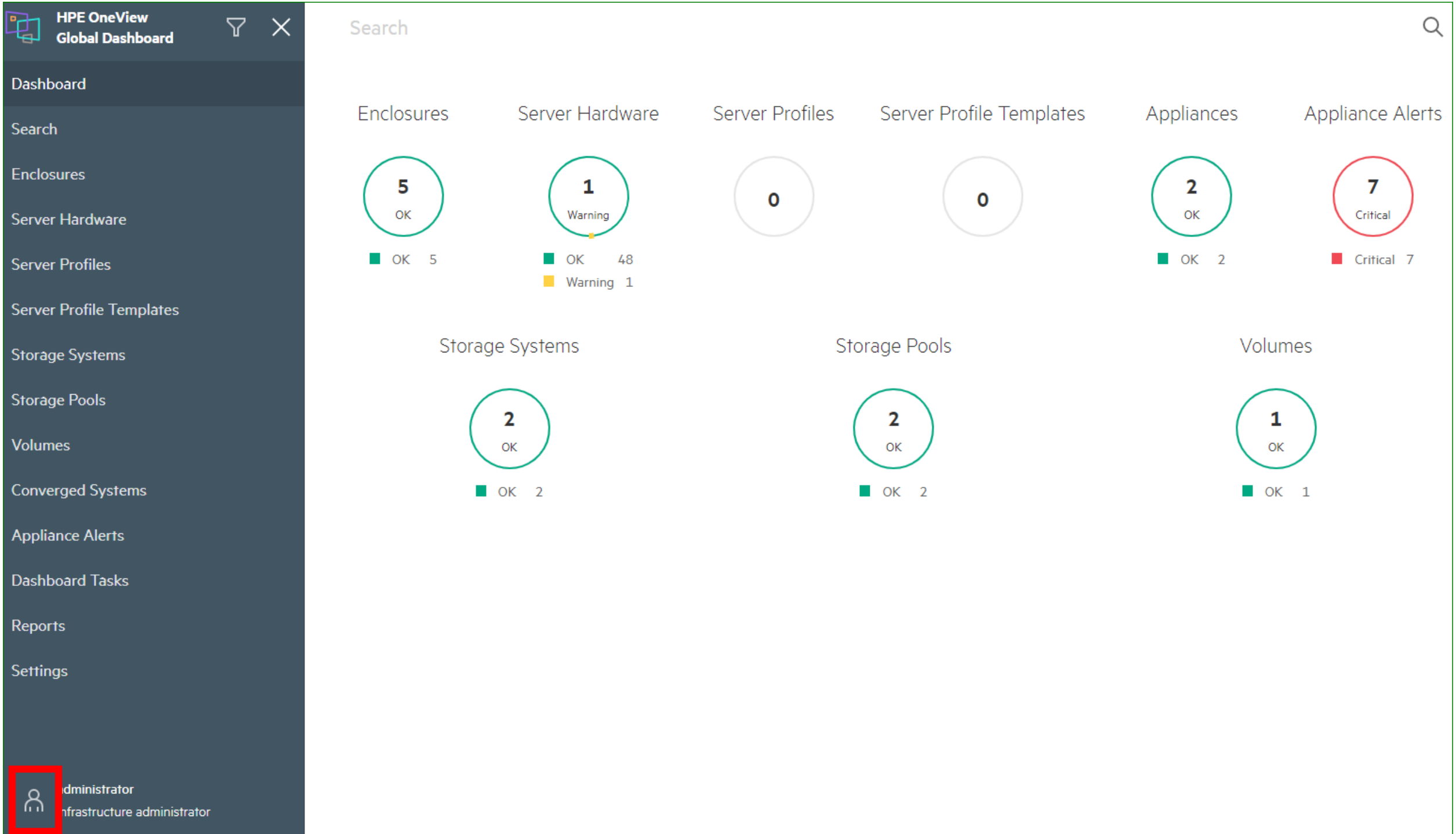
Step 1

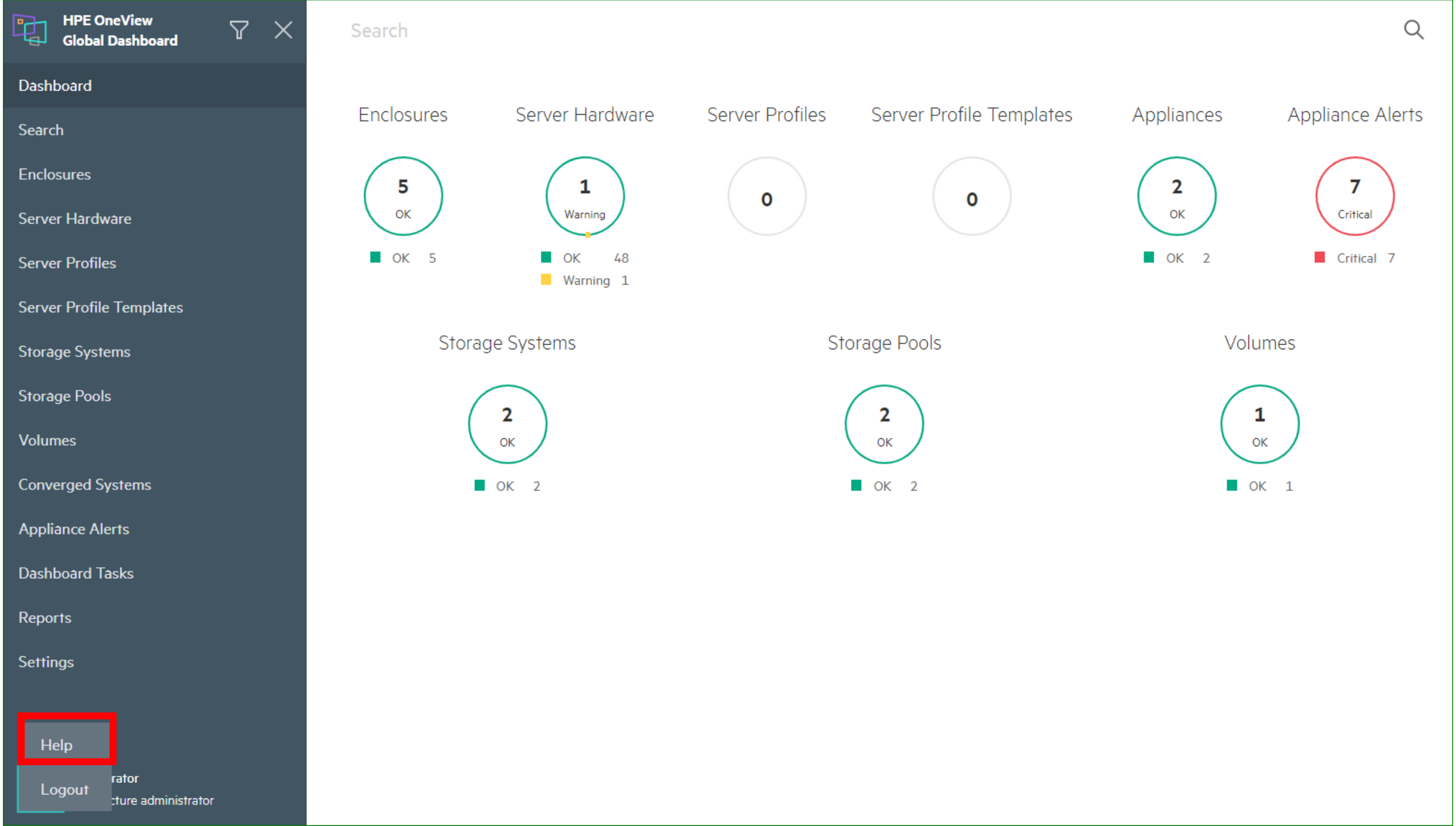
- Open browser to: https://77.158.163.131:9443/
- login
  - username: Administrator
  - password: password

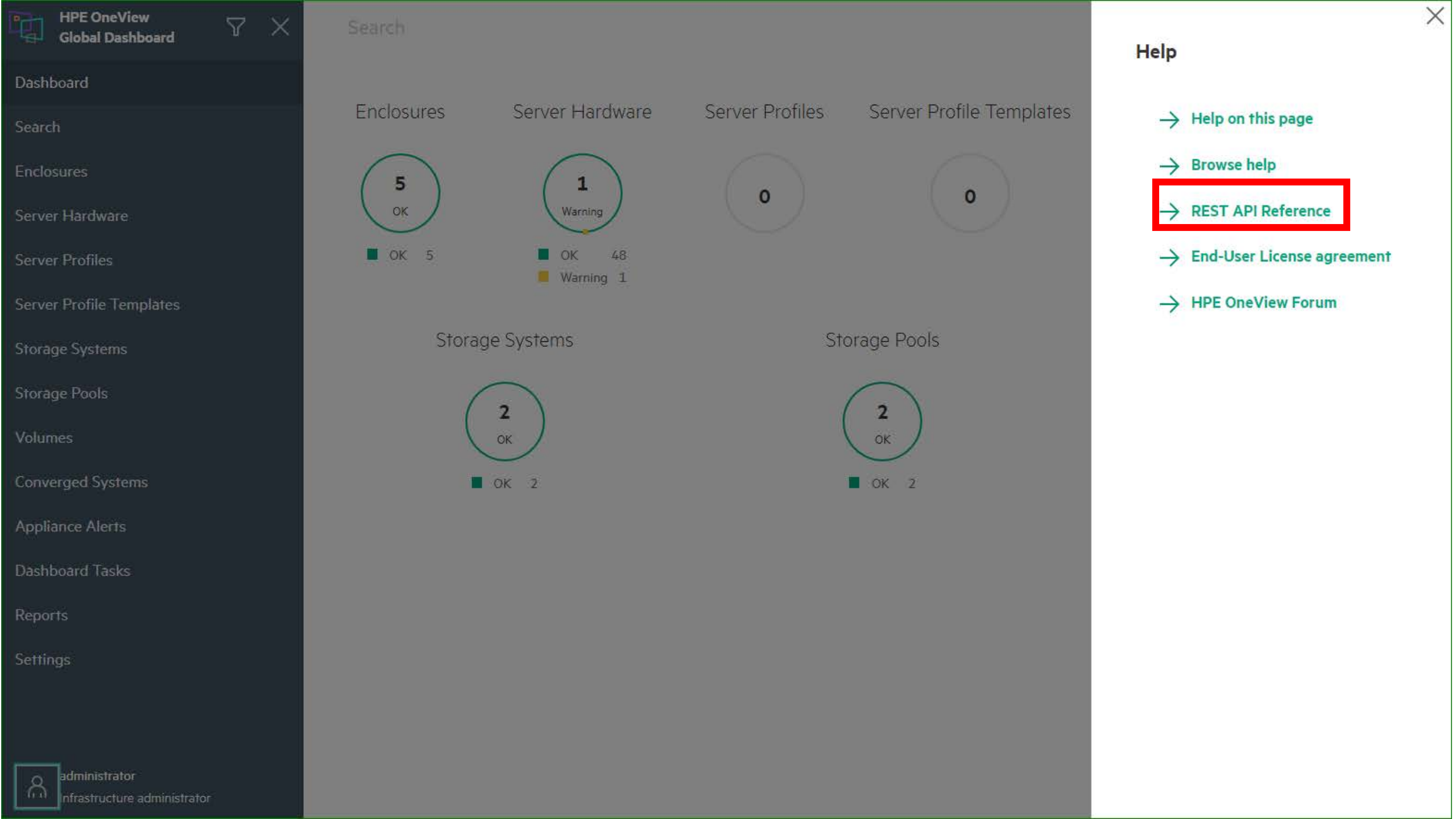

HPE OneView
Global Dashboard
Username
Administrator
Password
password
Login domain
Local
Log In
Hewlett Packard
Enterprise
© 2019 Hewlett Packard Enterprise Company, L.P.
Privacy Policy

Step 2

- Navigate to online API reference page


HPE OneView
Global Dashboard
Dashboard
Search
Enclosures
Server Hardware
Server Profiles
Server Profile Templates
Storage Systems
Storage Pools
Volumes
Converged Systems
Appliance Alerts
Dashboard Tasks
Reports
Settings
dministrator
nfrastructure administrator
Search
Enclosures
5
OK
OK 5
Server Hardware
1
Warning
OK 48
Warning 1
Server Profiles
0
Server Profile Templates
0
Appliances
2
OK
OK 2
Appliance Alerts
7
Critical
Critical 7
Storage Systems
2
OK
OK 2
Storage Pools
2
OK
OK 2
Volumes
1
OK
OK 1


HPE OneView
Global Dashboard
Dashboard
Search
Enclosures
Server Hardware
Server Profiles
Server Profile Templates
Storage Systems
Storage Pools
Volumes
Converged Systems
Appliance Alerts
Dashboard Tasks
Reports
Settings
Help
Logout
rator
cture administrator
Search
Enclosures
5
OK
OK 5
Server Hardware
1
Warning
OK 48
Warning 1
Server Profiles
0
Server Profile Templates
0
Appliances
2
OK
OK 2
Appliance Alerts
7
Critical
Critical 7
Storage Systems
2
OK
OK 2
Storage Pools
2
OK
OK 2
Volumes
1
OK
OK 1


HPE OneView
Global Dashboard
Dashboard
Search
Enclosures
Server Hardware
Server Profiles
Server Profile Templates
Storage Systems
Storage Pools
Volumes
Converged Systems
Appliance Alerts
Dashboard Tasks
Reports
Settings
administrator
Infrastructure administrator
Search
Enclosures
5
OK
OK 5
Server Hardware
1
Warning
OK 48
Warning 1
Server Profiles
0
Server Profile Templates
0
Storage Systems
2
OK
OK 2
Storage Pools
2
OK
OK 2
Help
Help on this page
Browse help
REST API Reference
End-User License agreement
HPE OneView Forum

Search

APPLIANCES
CERTIFICATES
CONVERGED SYSTEMS
ENCLOSURES
GROUPS
LOGIN SESSIONS
MANAGED SANS
NETWORK INTERFACES
RESOURCE ALERTS
SAN MANAGERS
SERVER FIRMWARE
SERVER HARDWARE
SERVER PROFILES
SERVER PROFILE TEMPLATES
STORAGE POOLS
STORAGE SYSTEMS
STORAGE VOLUMES
TASKS

HPE OneView Global Dashboard REST API (v2)

Download OpenAPI specification: Download

Product version 1.70.00

Appliances

Operations on appliances

Add appliance

Add a new appliance into Global Dashboard.

The table below gives an overview of the process for adding an appliance.

Description	Method	Path
Get certificates from remote appliance	GET	/rest/certificates/https/remote/{address}
Store certificates	POST	/rest/certificates/servers
Add appliance	POST	/rest/appliances

PARAMETERS

Header Parameters

Auth

string **Required**

Session authorization token obtained from logging in. The logged in user must have the role **Infrastructure administrator**. If this header is not included or if the session-

POST /rest/appliances

REQUEST SAMPLES

```
{
    "address": "192.168.0.1",
    "applianceName": "appliance1",
    "category": "appliances",
    "loginDomain": "local",
    "password": "secret",
    "username": "sarah"
}
```

RESPONSE SAMPLES

202 Accepted · 400 Bad request · 401 Unauthorized · 403 Forbidden · 412 Precondition failed

Follow along lab 2

Exploring the REST API with Postman

HPE DEV

Step 1

- Install Postman from here or ask lab assistant for USB key
- Read this blog for more details

Step 2

- Load Postman Collection from here or ask lab assistant for USB key

Postman

File Edit View Collection History Help

New Import Runner

Builder Team Library

SYNC OFF

Sign In

Filter

History Collections

All Me Team

Postman Echo
21 requests

New Tab

GET

Authorization

TYPE

Inherit auth from

The authorization h
generated when yo
more about author

Params Send Save

Cookies Code

ation helper at the moment. Save it in a collection to use the parent's authorization helper.

Response

Hit the Send button to get a response.

Do more with requests

Share Mock Monitor Document

TME11

IMPORT

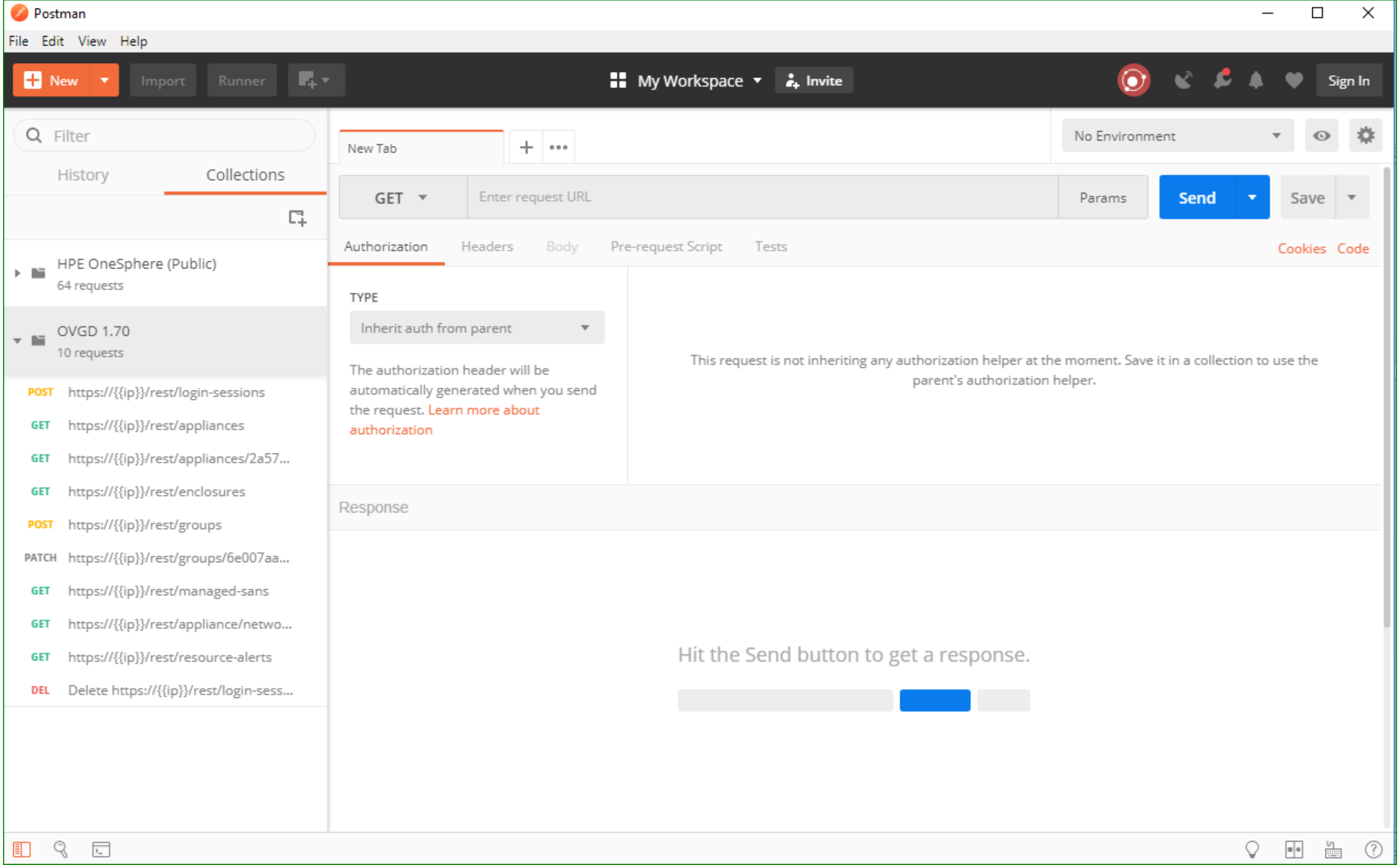
Import a Postman Collection, Environment, data dump, curl command, or a RAML / WADL / Swagger(v1/v2) / Runscope file.

Import File Import Folder Import From Link Paste Raw Text

https://raw.githubusercontent.com/HewlettPackard/hpe-onesphere-http/m

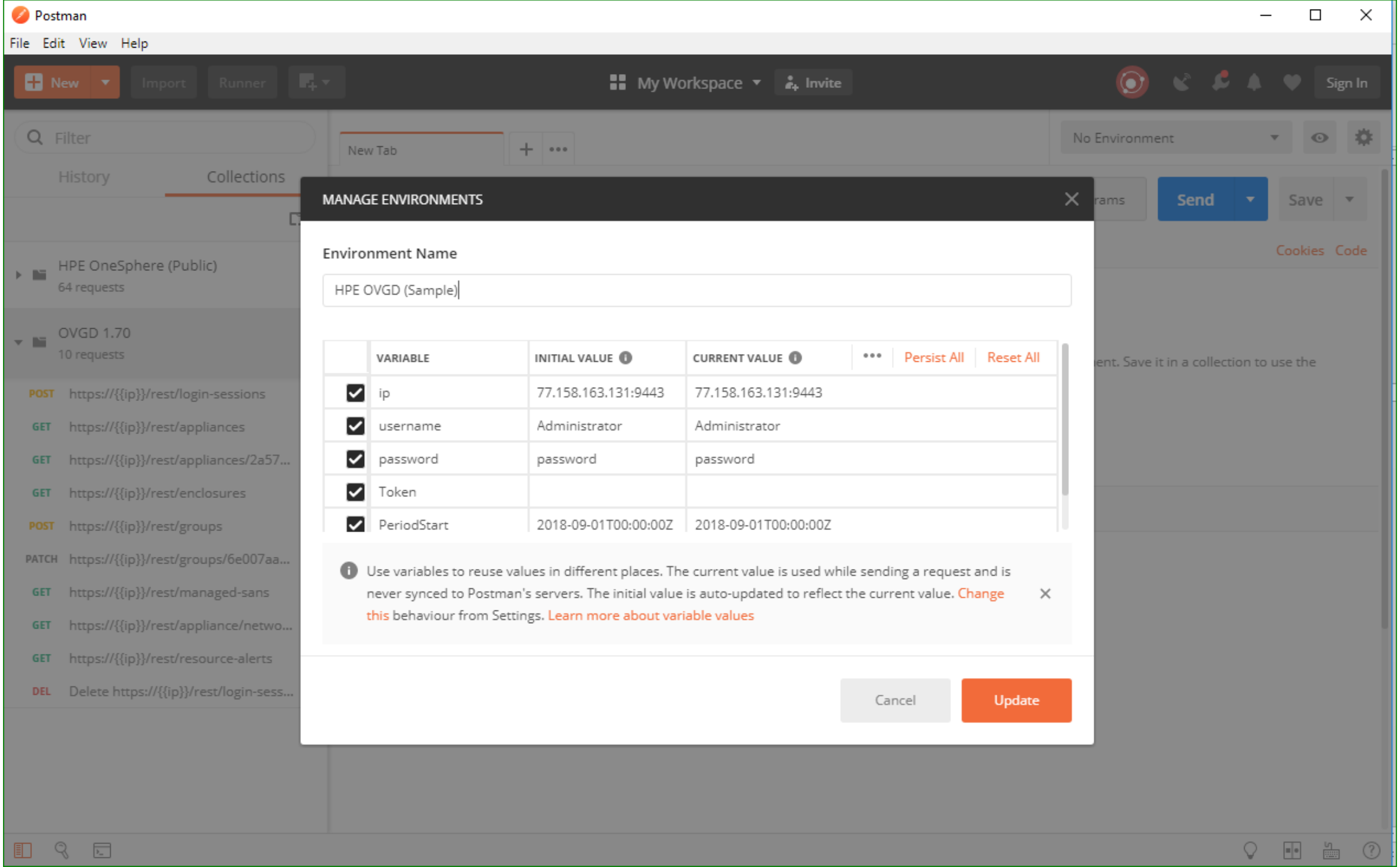
Import

3:23 PM


Postman
File Edit View Help
New
Import
Runner
My Workspace
Invite
Sign In
Filter
History
Collections
HPE OneSphere (Public)
64 requests
OVGD 1.70
10 requests
POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
New Tab
No Environment
GET
Enter request URL
Params
Send
Save
Authorization
Headers
Body
Pre-request Script
Tests
Cookies
Code
TYPE
Inherit auth from parent
The authorization header will be automatically generated when you send the request. Learn more about authorization
This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.
Response
Hit the Send button to get a response.

Step 3

- ✓ Import Postman Environment from here or ask lab assistant for USB key
  - ✓ Verify environment set to
    - ✓ ip: **https://77.158.163.131:9443/**
    - ✓ username: **Administrator**
    - ✓ password: **password**


Postman
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Import
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No Environment
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Cookies
Code
HPE OneSphere (Public)
64 requests
OVGD 1.70
10 requests
POST https://{{ip}}/rest/login-sessions
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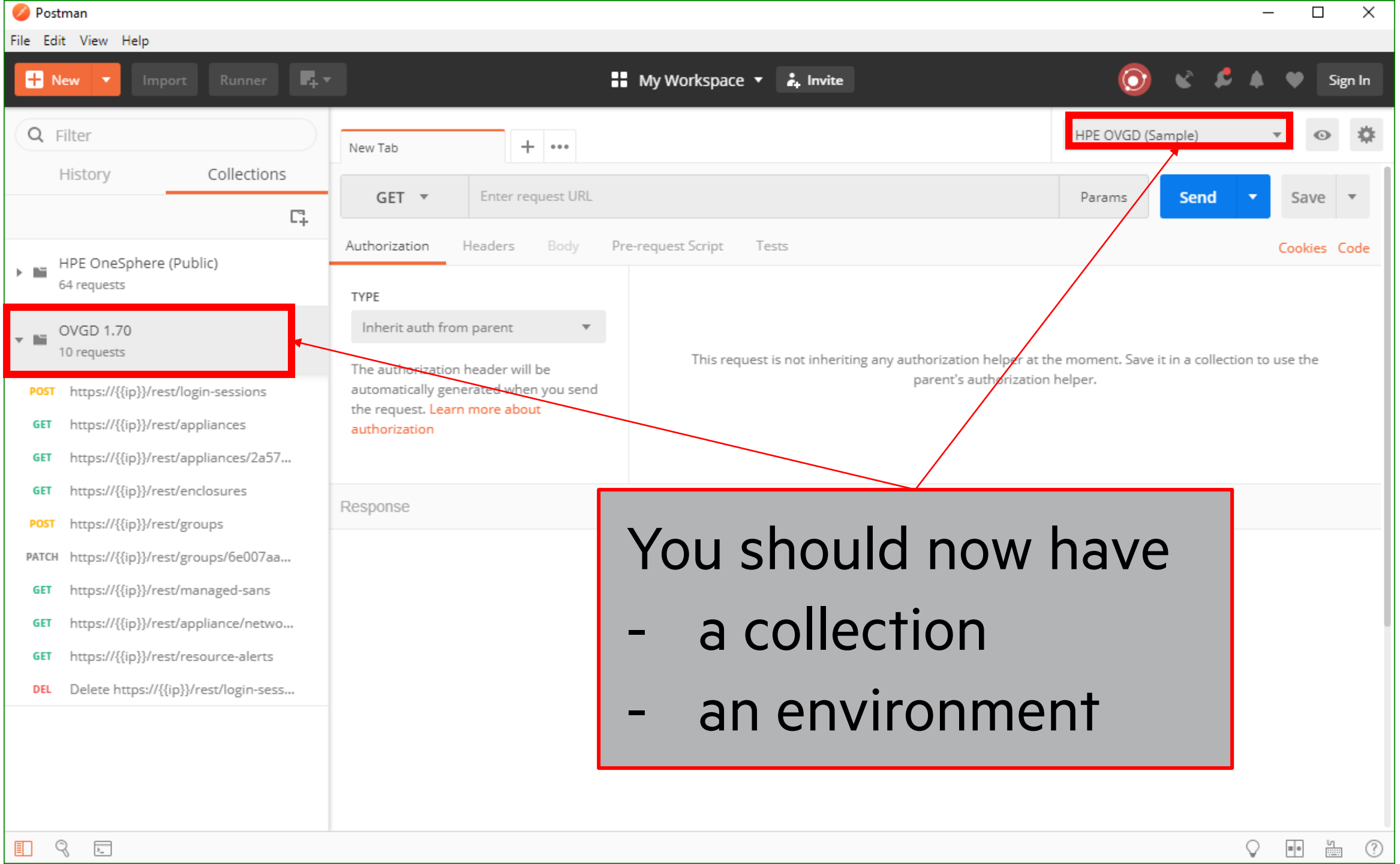
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
MANAGE ENVIRONMENTS
Environment Name
HPE OVGD (Sample)
VARIABLE
INITIAL VALUE
CURRENT VALUE
Persist All
Reset All
ip
77.158.163.131:9443
77.158.163.131:9443
username
Administrator
Administrator
password
password
password
Token
PeriodStart
2018-09-01T00:00:00Z
2018-09-01T00:00:00Z
Use variables to reuse values in different places. The current value is used while sending a request and is never synced to Postman's servers. The initial value is auto-updated to reflect the current value. Change this behaviour from Settings. Learn more about variable values
Cancel
Update


Postman
File Edit View Help
New
Import
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HPE OneSphere (Public)
64 requests
OVGD 1.70
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POST https://{{ip}}/rest/login-sessions
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GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
New Tab
HPE OVGD (Sample)
GET
Enter request URL
Params
Send
Save
Authorization
Headers
Body
Pre-request Script
Tests
Cookies
Code
TYPE
Inherit auth from parent
The authorization header will be automatically generated when you send the request. Learn more about authorization
This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.
Response
You should now have
- a collection
- an environment

Step 4

- Call API
  - **POST /rest/login-sessions** to acquire a session token (login)
  - **GET /rest/appliances** (list appliances)
  - use URI links to drill down on appliances(turn on header propagation in File->Settings

Postman

File Edit View Help

New Import Runner My Workspace Invite Sign In

Filter

History Collections

HPE OneSphere (Public)
64 requests

OVGD 1.70
10 requests

POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...

https://{{ip}}/r | https://{{ip}}/rest/ap | https://{{ip}}/ | https://{{ip}}/rest/ap | https://{{ip}}/rest/ap

HPE OVGD (Sample)

https://{{ip}}/rest/login-sessions

Examples (0)

POST https://{{ip}}/rest/login-sessions Params Send Save

Authorization Headers (4) Body Pre-request Script Tests Cookies Code

KEY	VALUE	DESCRIPTION
Accept	application/json	
Content-Type	application/json	
X-API-Version	2	
auth	MzI5OTM3NzAwODQ4IW5Cp6s07RtVWtqBcbbZc...	
Key	Value	Description

Bulk Edit Presets

Body Cookies (1) Headers (11) Test Results

Status: 200 OK Time: 1026 ms Size: 612 B

Pretty Raw Preview JSON Save Response


```
{
    "user": {
        "userName": "Administrator",
        "user_roles": [
            "Infrastructure administrator"
        ],
        "domain": "local"
    },
    "token": "NDQxNjY3OTAxNTAzeDr0jdoZkBrVEhN3SjZ97gIPcgmKBg3x",
    "sessionID": "NDQxNjY3OTAxNTAzeDr0jdoZkBrVEhN3SjZ97gIPcgmKBg3x"
}
```


This token will be used for next calls

Postman

File Edit View Help

New Import Runner My Workspace Invite Sign In

Filter

History Collections

HPE OneSphere (Public)
64 requests

OVGD 1.70
10 requests

POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...

https://{{ip}}/rest/ap

HPE OVGD (Sample)

https://{{ip}}/rest/appliances

Examples (0)

GET https://{{ip}}/rest/appliances Params Send Save

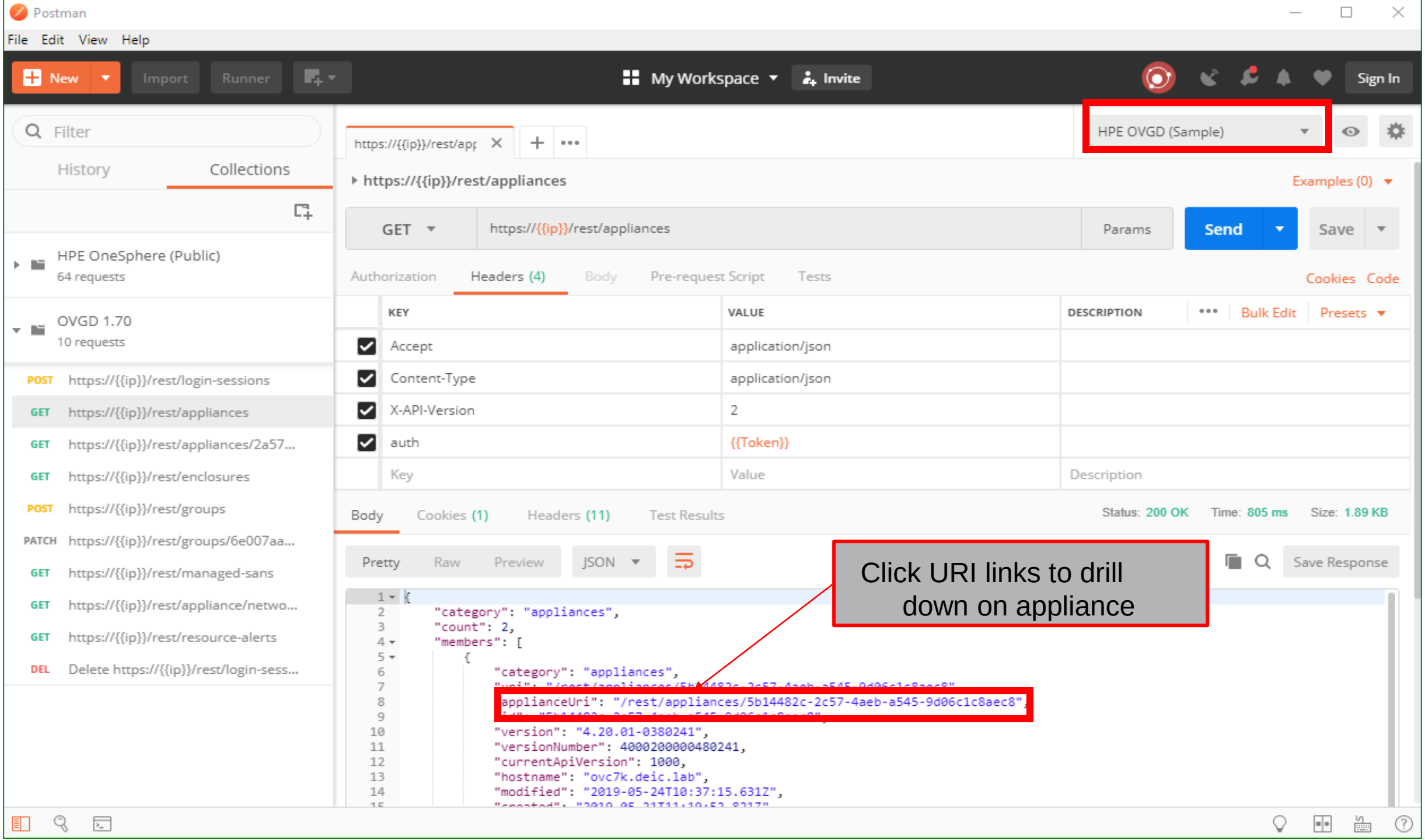
Authorization Headers (4) Body Pre-request Script Tests Cookies Code

KEY	VALUE	DESCRIPTION	Bulk Edit Presets
Accept	application/json		
Content-Type	application/json		
X-API-Version	2		
auth	{{Token}}		
Key	Value	Description	

Body Cookies (1) Headers (11) Test Results Status: 200 OK Time: 805 ms Size: 1.89 KB

Pretty Raw Preview JSON Save Response


```
{
    "category": "appliances",
    "count": 2,
    "members": [
        {
            "category": "appliances",
            "uri": "/rest/appliances/5b14482c-2c57-4aeb-a545-9d06c1c8aec8",
            "applianceUri": "/rest/appliances/5b14482c-2c57-4aeb-a545-9d06c1c8aec8",
            "id": "5b14482c-2c57-4aeb-a545-9d06c1c8aec8",
            "version": "4.20.01-0380241",
            "versionNumber": 4000200000480241,
            "currentApiVersion": 1000,
            "hostname": "ovc7k.deic.lab",
            "modified": "2019-05-24T10:37:15.631Z",
```


Postman
File Edit View Help
New Import Runner
My Workspace Invite
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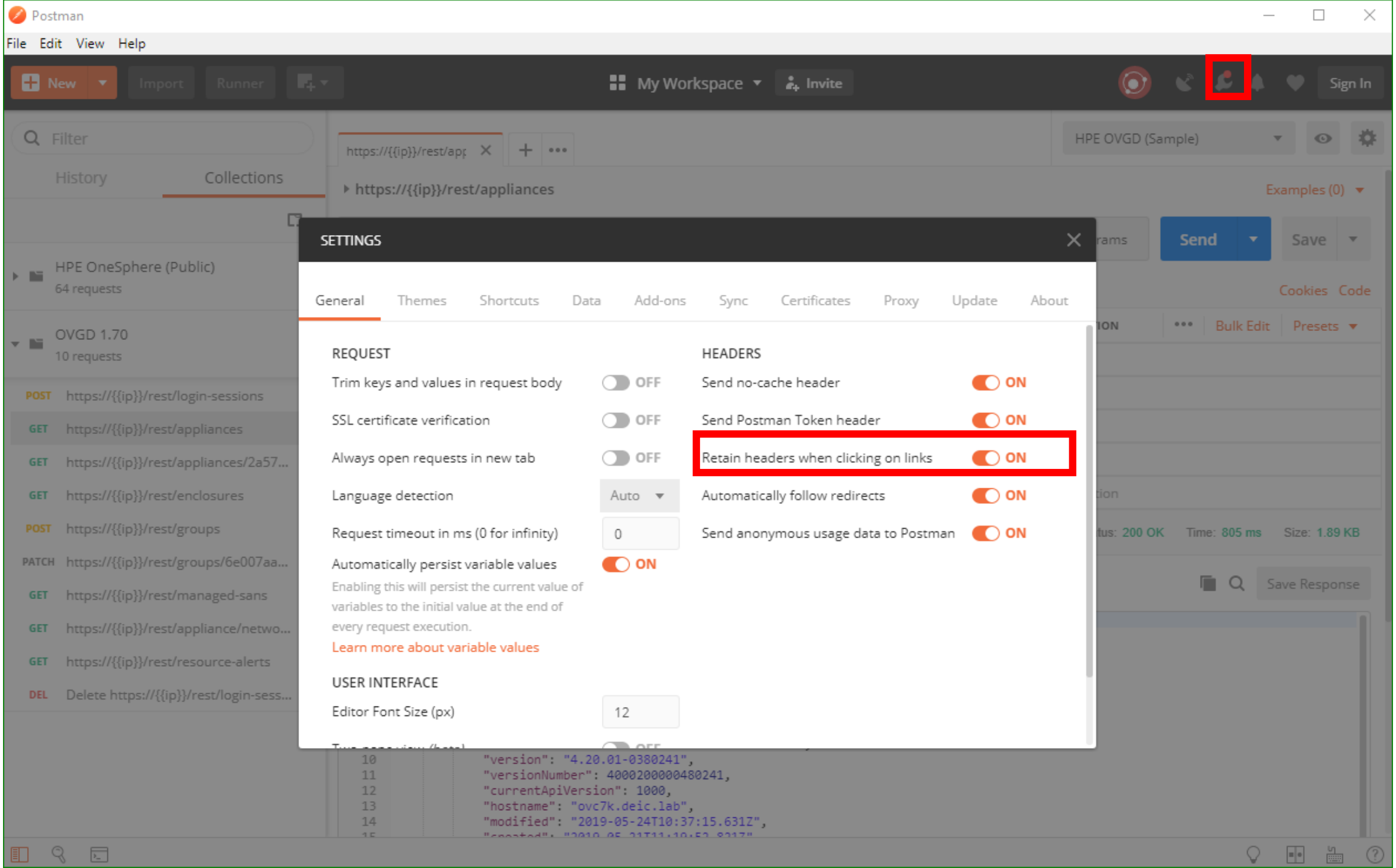
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
https://{{ip}}/rest/ap
HPE OVGD (Sample)
https://{{ip}}/rest/appliances
Examples (0)
GET https://{{ip}}/rest/appliances Params Send Save
Authorization Headers (4) Body Pre-request Script Tests
Cookies Code
KEY VALUE DESCRIPTION Bulk Edit Presets
Accept application/json
Content-Type application/json
X-API-Version 2
auth {{Token}}
Key Value Description
Body Cookies (1) Headers (11) Test Results
Status: 200 OK Time: 805 ms Size: 1.89 KB
Pretty Raw Preview JSON
Save Response
{
"category": "appliances",
"count": 2,
"members": [
{
"category": "appliances",
"applianceUri": "/rest/appliances/5b14482c-2c57-4aeb-a545-9d06c1c8aec8",
"version": "4.20.01-0380241",
"versionNumber": 4000200000480241,
"currentApiVersion": 1000,
"hostname": "ovc7k.deic.lab",
"modified": "2019-05-24T10:37:15.631Z",
Click URI links to drill down on appliance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OVGD 1.70
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POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
https://{{ip}}/rest/appliances
HPE OVGD (Sample)
Examples (0)
Send
Save
Cookies
Code
Bulk Edit
Presets
Status: 200 OK
Time: 805 ms
Size: 1.89 KB
Save Response
SETTINGS
General
Themes
Shortcuts
Data
Add-ons
Sync
Certificates
Proxy
Update
About
REQUEST
Trim keys and values in request body
OFF
SSL certificate verification
OFF
Always open requests in new tab
OFF
Language detection
Auto
Request timeout in ms (0 for infinity)
0
Automatically persist variable values
ON
Enabling this will persist the current value of variables to the initial value at the end of every request execution.
Learn more about variable values
USER INTERFACE
Editor Font Size (px)
12
HEADERS
Send no-cache header
ON
Send Postman Token header
ON
Retain headers when clicking on links
ON
Automatically follow redirects
ON
Send anonymous usage data to Postman
ON
"version": "4.20.01-0380241",
"versionNumber": 4000200000480241,
"currentApiVersion": 1000,
"hostname": "ovc7k.deic.lab",
"modified": "2019-05-24T10:37:15.631Z",

Postman

File Edit View Help

New | Import | Runner | My Workspace | Invite | Sign In

Filter

History | Collections

HPE OneSphere (Public)
64 requests

OVGD 1.70
10 requests

POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...

https://{{ip}}/rest/appliance | https://{{ip}}/rest/login-sess | https://{{ip}}/rest/ap

HPE OVGD (Sample)

GET https://{{ip}}/rest/appliances/5b14482c-2c57-4aeb-a545-9d06c1c8aec8 Params Send Save

Authorization | Headers (4) | Body | Pre-request Script | Tests | Cookies | Code

TYPE

Inherit auth from parent

The authorization header will be automatically generated when you send the request. Learn more about authorization

This request is not inheriting any authorization helper at the moment. Save it in a collection to use the parent's authorization helper.

Body | Cookies (1) | Headers (11) | Test Results | Status: 200 OK | Time: 455 ms | Size: 1.04 KB

Pretty | Raw | Preview | JSON


```
{
    "category": "appliances",
    "uri": "/rest/appliances/5b14482c-2c57-4aeb-a545-9d06c1c8aec8",
    "applianceUri": "/rest/appliances/5b14482c-2c57-4aeb-a545-9d06c1c8aec8",
    "id": "5b14482c-2c57-4aeb-a545-9d06c1c8aec8",
    "version": "4.20.01-0380241",
    "versionNumber": 4000200000480241,
    "currentApiVersion": 1000,
    "hostname": "ovc7k.deic.lab",
    "modified": "2019-05-28T22:37:16.221Z",
    "created": "2019-05-21T11:19:52.821Z",
    "loginDomain": "Local",
    "applianceLocation": "10.1.0.20",
    "applianceName": "ovc7k",
    "model": "HPE OneView - Demo VM",
    "name": "ovc7k",
```

Postman

File Edit View Help

New | Import | Runner | My Workspace | Invite | Sign In

Filter

History | Collections

HPE OneSphere (Public)
64 requests

OVGD 1.70
10 requests

- POST https://{{ip}}/rest/login-sessions
- GET https://{{ip}}/rest/appliances
- GET https://{{ip}}/rest/appliances/2a57...
- GET https://{{ip}}/rest/enclosures
- POST https://{{ip}}/rest/groups
- PATCH https://{{ip}}/rest/groups/6e007aa...
- GET https://{{ip}}/rest/managed-sans
- GET https://{{ip}}/rest/appliance/netwo...
- GET https://{{ip}}/rest/resource-alerts
- DEL Delete https://{{ip}}/rest/login-sess...

https://{{ip}}/rest/applian | https://{{ip}}/rest/login-se | https://{{ip}}/rest/applian | https://{{ip}}/rest/e

HPE OVGD (Sample)

https://{{ip}}/rest/enclosures

Examples (0)

GET https://{{ip}}/rest/enclosures Params **Send** Save

Authorization | Headers (4) | Body | Pre-request Script | Tests | Cookies | Code

TYPE

Inherit auth from parent

The authorization header will be automatically generated when you send the request. Learn more about authorization

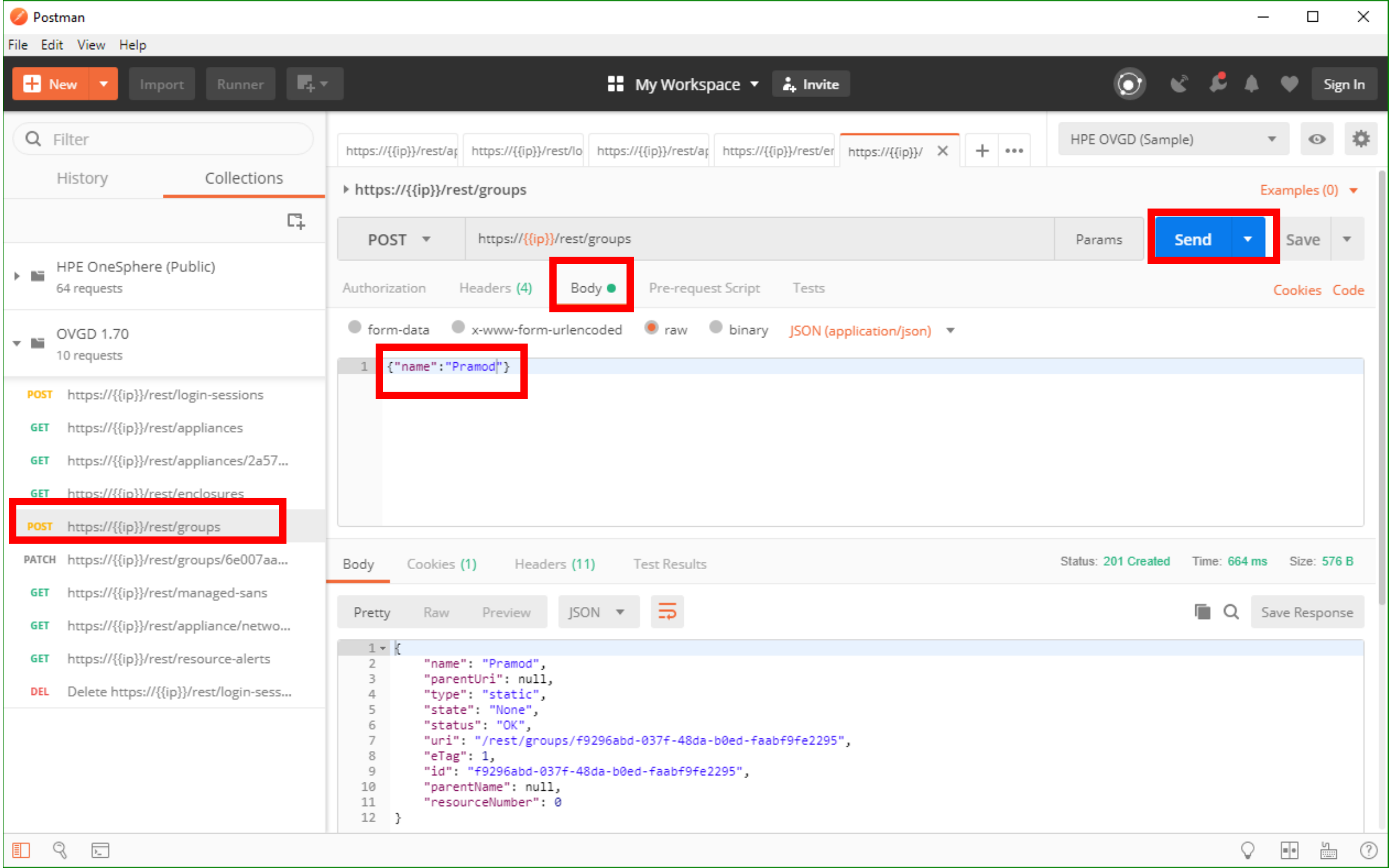
This request is using an authorization helper from collection OVGD 1.70.

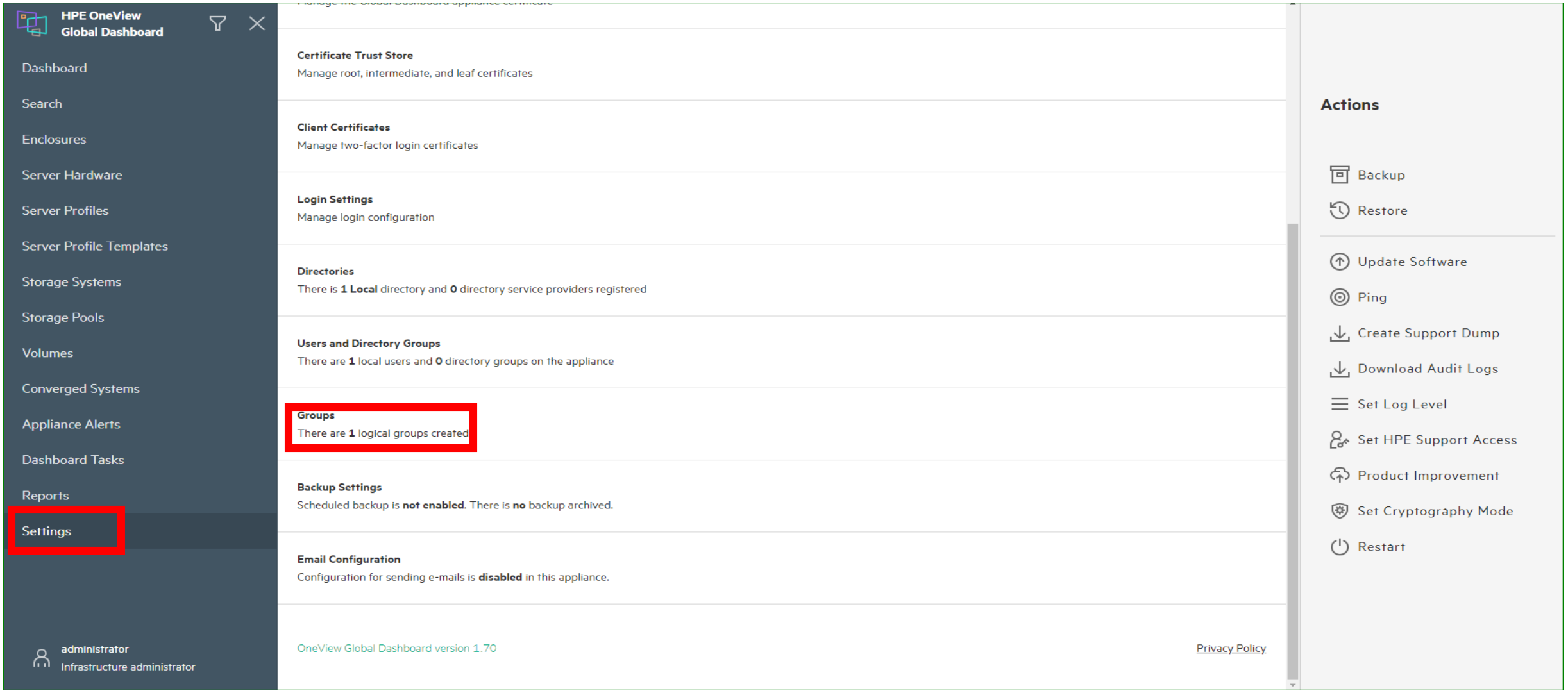
Body | Cookies (1) | Headers (12) | Test Results

Status: 200 OK Time: 534 ms Size: 42.57 KB

Pretty | Raw | Preview | JSON | Save Response


```
{
    "category": "enclosures",
    "count": 5,
    "members": [
        {
            "type": "EnclosureV200",
            "uri": "/rest/enclosures/e6f8c0d7-b65f-4521-9afe-810b5deb8a03",
            "category": "enclosures",
            "eTag": "2019-05-25T03:00:35.392Z",
            "created": "2019-05-20T08:00:42.217Z",
            "modified": "2019-05-25T03:00:35.392Z",
            "refreshState": "RefreshFailed",
            "stateReason": "None",
```


Postman
File Edit View Help
New
Import
Runner
My Workspace
Invite
Sign In
Filter
History
Collections
HPE OneSphere (Public)
64 requests
OVGD 1.70
10 requests
POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
HPE OVGD (Sample)
https://{{ip}}/rest/groups
Examples (0)
POST
https://{{ip}}/rest/groups
Params
Send
Save
Authorization
Headers (4)
Body
Pre-request Script
Tests
Cookies
Code
form-data
x-www-form-urlencoded
raw
binary
JSON (application/json)
{"name":"Pramod"}
Body
Cookies (1)
Headers (11)
Test Results
Status: 201 Created
Time: 664 ms
Size: 576 B
Pretty
Raw
Preview
JSON
Save Response
{
"name": "Pramod",
"parentUri": null,
"type": "static",
"state": "None",
"status": "OK",
"uri": "/rest/groups/f9296abd-037f-48da-b0ed-faabf9fe2295",
"eTag": 1,
"id": "f9296abd-037f-48da-b0ed-faabf9fe2295",
"parentName": null,
"resourceNumber": 0
}


HPE OneView
Global Dashboard
Dashboard
Search
Enclosures
Server Hardware
Server Profiles
Server Profile Templates
Storage Systems
Storage Pools
Volumes
Converged Systems
Appliance Alerts
Dashboard Tasks
Reports
Settings
administrator
Infrastructure administrator
Certificate Trust Store
Manage root, intermediate, and leaf certificates
Client Certificates
Manage two-factor login certificates
Login Settings
Manage login configuration
Directories
There is 1 Local directory and 0 directory service providers registered
Users and Directory Groups
There are 1 local users and 0 directory groups on the appliance
Groups
There are 1 logical groups created
Backup Settings
Scheduled backup is not enabled. There is no backup archived.
Email Configuration
Configuration for sending e-mails is disabled in this appliance.
OneView Global Dashboard version 1.70
Privacy Policy
Actions
Backup
Restore
Update Software
Ping
Create Support Dump
Download Audit Logs
Set Log Level
Set HPE Support Access
Product Improvement
Set Cryptography Mode
Restart

HPE OneView
Global Dashboard
Dashboard
Search
Enclosures
Groups
Search
All Groups
Name
Parent
Type
Members
Pramod
static
0

Postman

File Edit View Help

New | Import | Runner | My Workspace | Invite | Sign In

Filter

History | Collections

HPE OneSphere (Public)
64 requests

OVGD 1.70
11 requests

POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
GET https://{{ip}}/rest/server-hardware
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...

https://{{ip}}/rest/ap | https://{{ip}}/rest/lo | https://{{ip}}/rest/ap | https://{{ip}}/rest/gr | https://{{ip}}/

HPE OVGD (Sample)

https://{{ip}}/rest/server-hardware

Examples (0)

GET | https://{{ip}}/rest/server-hardware | Params | Send | Save

Authorization | Headers (4) | Body | Pre-request Script | Tests | Cookies | Code

TYPE

Inherit auth from parent

The authorization header will be automatically generated when you send the request. Learn more about authorization

This request is using an authorization helper from collection OVGD 1.70.

Body | Cookies (1) | Headers (12) | Test Results | Status: 200 OK | Time: 644 ms | Size: 45.24 KB

Pretty | Raw | Preview | JSON | Save Response


```
{
    "category": "server-hardware",
    "count": 25,
    "members": [
        {
            "type": "server-hardware-7",
            "name": "0000A66101, bay 11",
            "serverName": "",
            "state": "NoProfileApplied",
            "stateReason": "NotApplicable",
            "assetTag": "",
            "category": "server-hardware",
            "created": "2019-05-20T08:05:44.994Z",
```

Postman

File Edit View Help

New | Import | Runner | My Workspace | Invite | Sign In

Filter

History | Collections

HPE OneSphere (Public)
64 requests

OVGD 1.70
11 requests

- POST https://{{ip}}/rest/login-sessions
- GET https://{{ip}}/rest/appliances
- GET https://{{ip}}/rest/appliances/2a57...
- GET https://{{ip}}/rest/enclosures
- POST https://{{ip}}/rest/groups
- GET https://{{ip}}/rest/server-hardware
- PATCH https://{{ip}}/rest/groups/6e007aa...
- GET https://{{ip}}/rest/managed-sans
- GET https://{{ip}}/rest/appliance/netwo...
- GET https://{{ip}}/rest/resource-alerts
- DEL Delete https://{{ip}}/rest/login-sess...

https://{{ip}}/res | https://{{ip}}/res | https://{{ip}}/res | https://{{ip}}/res | https://{{ip}}/res | https://{{i

HPE OVGD (Sample)

https://{{ip}}/rest/managed-sans

Examples (0)

GET | https://{{ip}}/rest/managed-sans | Params | Send | Save

Authorization | Headers (4) | Body | Pre-request Script | Tests | Cookies | Code

TYPE

Inherit auth from parent

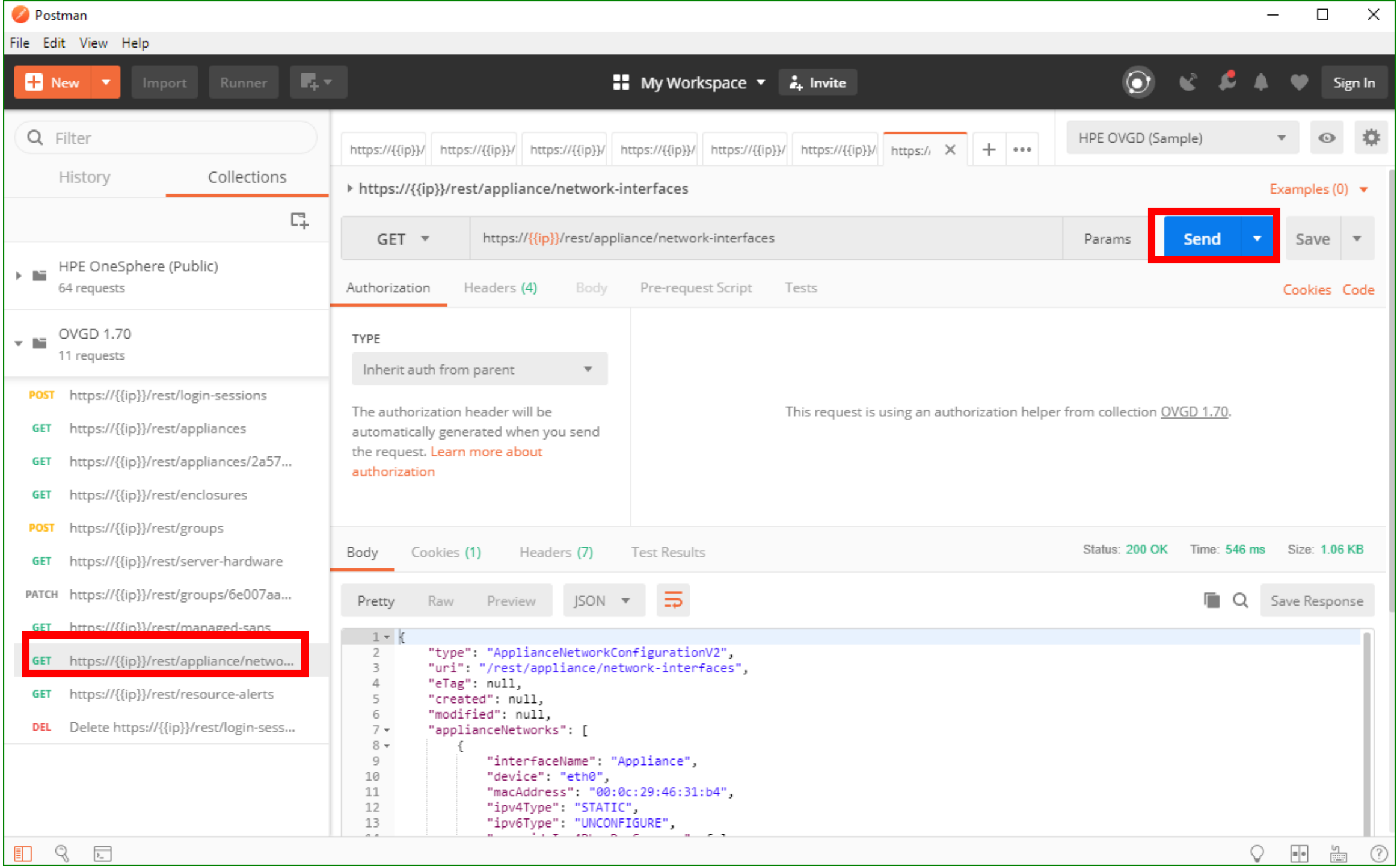
The authorization header will be automatically generated when you send the request. Learn more about authorization

This request is using an authorization helper from collection OVGD 1.70.

Body | Cookies (1) | Headers (12) | Test Results | Status: 200 OK | Time: 488 ms | Size: 30.01 KB

Pretty | Raw | Preview | JSON | Save Response


```
{
    "category": "managed-sans",
    "count": 9,
    "members": [
        {
            "uri": "/rest/managed-sans/079c10d7-4e2f-491d-b7e6-95c3c73135a4",
            "name": "VSAN1",
            "type": "FCSanV3",
            "state": "Discovered",
            "status": "Disabled",
            "imported": false,
            "aliasCount": 0,
            "associatedNetworks": [],
```


Postman
File Edit View Help
New
Import
Runner
My Workspace
Invite
Sign In
Filter
History
Collections
HPE OneSphere (Public)
64 requests
OVGD 1.70
11 requests
POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
GET https://{{ip}}/rest/server-hardware
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
HPE OVGD (Sample)
https://{{ip}}/rest/appliance/network-interfaces
Examples (0)
GET
https://{{ip}}/rest/appliance/network-interfaces
Params
Send
Save
Authorization
Headers (4)
Body
Pre-request Script
Tests
Cookies
Code
TYPE
Inherit auth from parent
The authorization header will be automatically generated when you send the request. Learn more about authorization
This request is using an authorization helper from collection OVGD 1.70.
Body
Cookies (1)
Headers (7)
Test Results
Status: 200 OK
Time: 546 ms
Size: 1.06 KB
Pretty
Raw
Preview
JSON
Save Response
{
"type": "ApplianceNetworkConfigurationV2",
"uri": "/rest/appliance/network-interfaces",
"eTag": null,
"created": null,
"modified": null,
"applianceNetworks": [
{
"interfaceName": "Appliance",
"device": "eth0",
"macAddress": "00:0c:29:46:31:b4",
"ipv4Type": "STATIC",
"ipv6Type": "UNCONFIGURE",

Postman

File Edit View Help

New | Import | Runner | My Workspace | Invite | Sign In

Filter

History | Collections

HPE OneSphere (Public)
64 requests

OVGD 1.70
11 requests

- POST https://{{ip}}/rest/login-sessions
- GET https://{{ip}}/rest/appliances
- GET https://{{ip}}/rest/appliances/2a57...
- GET https://{{ip}}/rest/enclosures
- POST https://{{ip}}/rest/groups
- GET https://{{ip}}/rest/server-hardware
- PATCH https://{{ip}}/rest/groups/6e007aa...
- GET https://{{ip}}/rest/managed-sans
- GET https://{{ip}}/rest/appliance/netwo...
- GET https://{{ip}}/rest/resource-alerts
- DEL Delete https://{{ip}}/rest/login-sess...

https://{{ip}} | https://{{ip}} | https://{{ip}} | https://{{ip}} | https://{{ip}} | https://{{ip}} | https://{{ip}} | https ×

HPE OVGD (Sample)

https://{{ip}}/rest/resource-alerts

Examples (0)

GET | https://{{ip}}/rest/resource-alerts | Params | Send | Save

Authorization | Headers (4) | Body | Pre-request Script | Tests | Cookies | Code

TYPE

Inherit auth from parent

The authorization header will be automatically generated when you send the request. Learn more about authorization

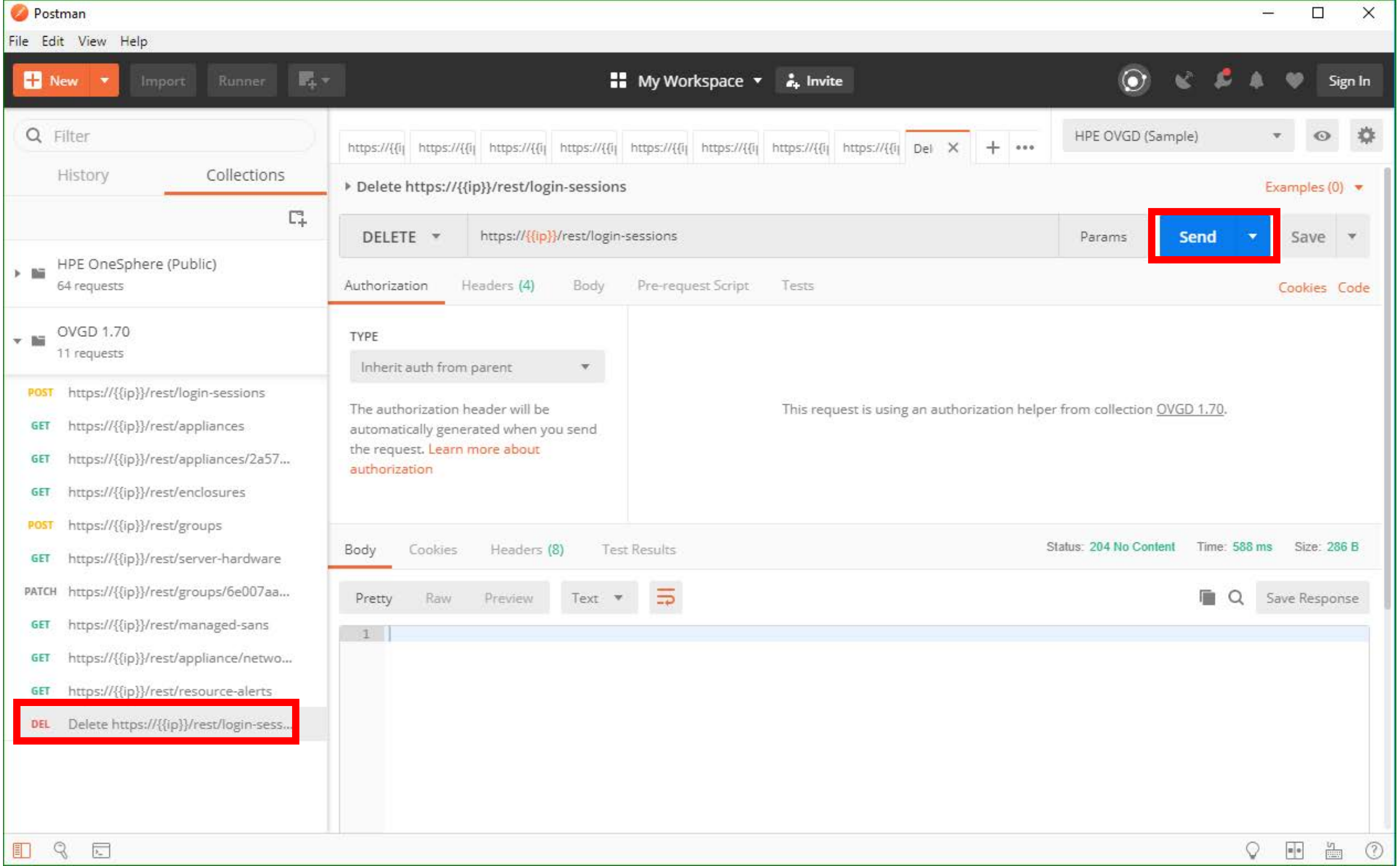
This request is using an authorization helper from collection OVGD 1.70.

Body | Cookies (1) | Headers (12) | Test Results

Status: 200 OK | Time: 654 ms | Size: 13.34 KB

Pretty | Raw | Preview | JSON | Save Response


```
{
    "category": "alerts",
    "count": 7,
    "members": [
        {
            "associatedEventUris": [
                "/rest/events/1140"
            ],
            "assignedToUser": null,
            "serviceEventSource": false,
            "resourceUri": "/rest/logical-interconnects/c78d8e6a-73db-4378-9438-c25c300d5fc4",
            "modified": "2019-05-22T22:40:10.818Z",
            "healthCategory": "logical-interconnect",
```


Postman
File Edit View Help
New
Import
Runner
My Workspace
Invite
Sign In
Filter
History
Collections
HPE OneSphere (Public)
64 requests
OVGD 1.70
11 requests
POST https://{{ip}}/rest/login-sessions
GET https://{{ip}}/rest/appliances
GET https://{{ip}}/rest/appliances/2a57...
GET https://{{ip}}/rest/enclosures
POST https://{{ip}}/rest/groups
GET https://{{ip}}/rest/server-hardware
PATCH https://{{ip}}/rest/groups/6e007aa...
GET https://{{ip}}/rest/managed-sans
GET https://{{ip}}/rest/appliance/netwo...
GET https://{{ip}}/rest/resource-alerts
DEL Delete https://{{ip}}/rest/login-sess...
Del
HPE OVGD (Sample)
Delete https://{{ip}}/rest/login-sessions
Examples (0)
DELETE
https://{{ip}}/rest/login-sessions
Params
Send
Save
Authorization
Headers (4)
Body
Pre-request Script
Tests
Cookies
Code
TYPE
Inherit auth from parent
The authorization header will be automatically generated when you send the request. Learn more about authorization
This request is using an authorization helper from collection OVGD 1.70.
Body
Cookies
Headers (8)
Test Results
Status: 204 No Content
Time: 588 ms
Size: 286 B
Pretty
Raw
Preview
Text
Save Response
1

Using HPE OneView Global Dashboard with PowerShell

HPE DEV

- PowerShell is standard with Windows
  - Simple syntax: VERB-NOUN or ACTION-ResourceName
- New PowerShell Core also available for Linux, MacOS
- PowerShell allows to extend the language by importing custom modules
  - Adds more CmdLets
- Many modules are available
  - Microsoft PowerShell Gallery at https://www.powershellgallery.com/
- HPE is shipping several modules: OneView, iLO, Storage, …
- We have one module for HPE OneView Global Dashboard
  - Github (https://github.com/rumart/GlobalDashboardPS)
  - PowerShell Gallery (https://www.powershellgallery.com/packages/GlobalDashboardPS/0.9.0)
- And related blog on: https://developer.hpe.com/blog/8nOPjXylpmC5rDBjywWZ/creating-a-powershell-module-as-a-wrapper-for-the-hpe-global-dashboard-r

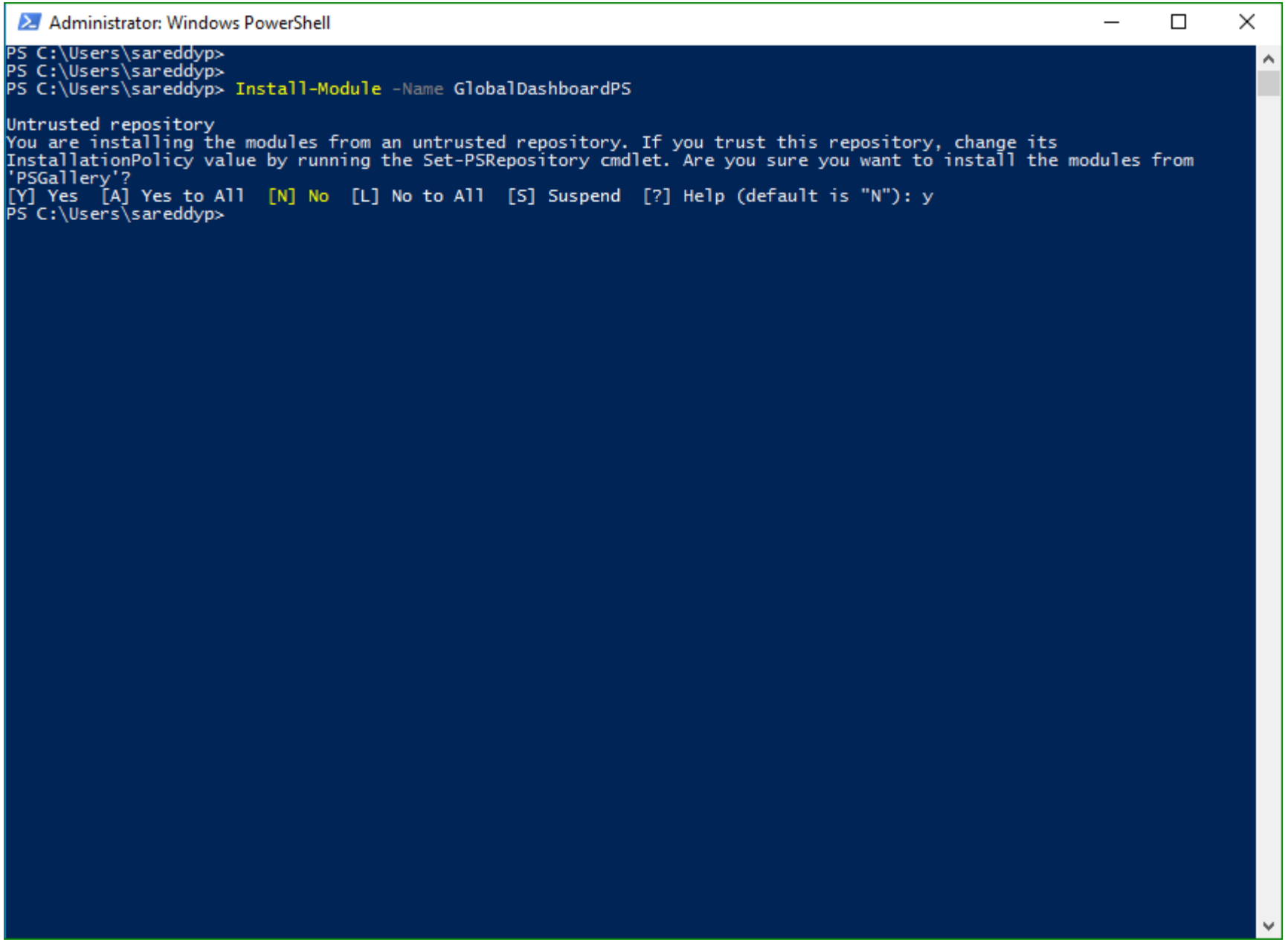
Follow along Lab 3

Using HPE OneView Global Dashboard with PowerShell

HPE DEV

Step 1 PowerShell on Windows

- Open PowerShell console (admin)
- Run commands
  - **set-executionpolicy unrestricted** (optional: to enable execution of all commands/script in PowerShell)
  - **install-module –Name** GlobalDashboardPS (to install GlobalDashboardPS from PowerShell Gallery)
    - Press Y if prompted
- Close PowerShell console (admin)


Administrator: Windows PowerShell
PS C:\Users\sareddyp>
PS C:\Users\sareddyp>
PS C:\Users\sareddyp> Install-Module -Name GlobalDashboardPS
Untrusted repository
You are installing the modules from an untrusted repository. If you trust this repository, change its
InstallationPolicy value by running the Set-PSRepository cmdlet. Are you sure you want to install the modules from
'PSGallery'?
[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "N"): y
PS C:\Users\sareddyp>

Step 1 PowerShell Core on MacOS

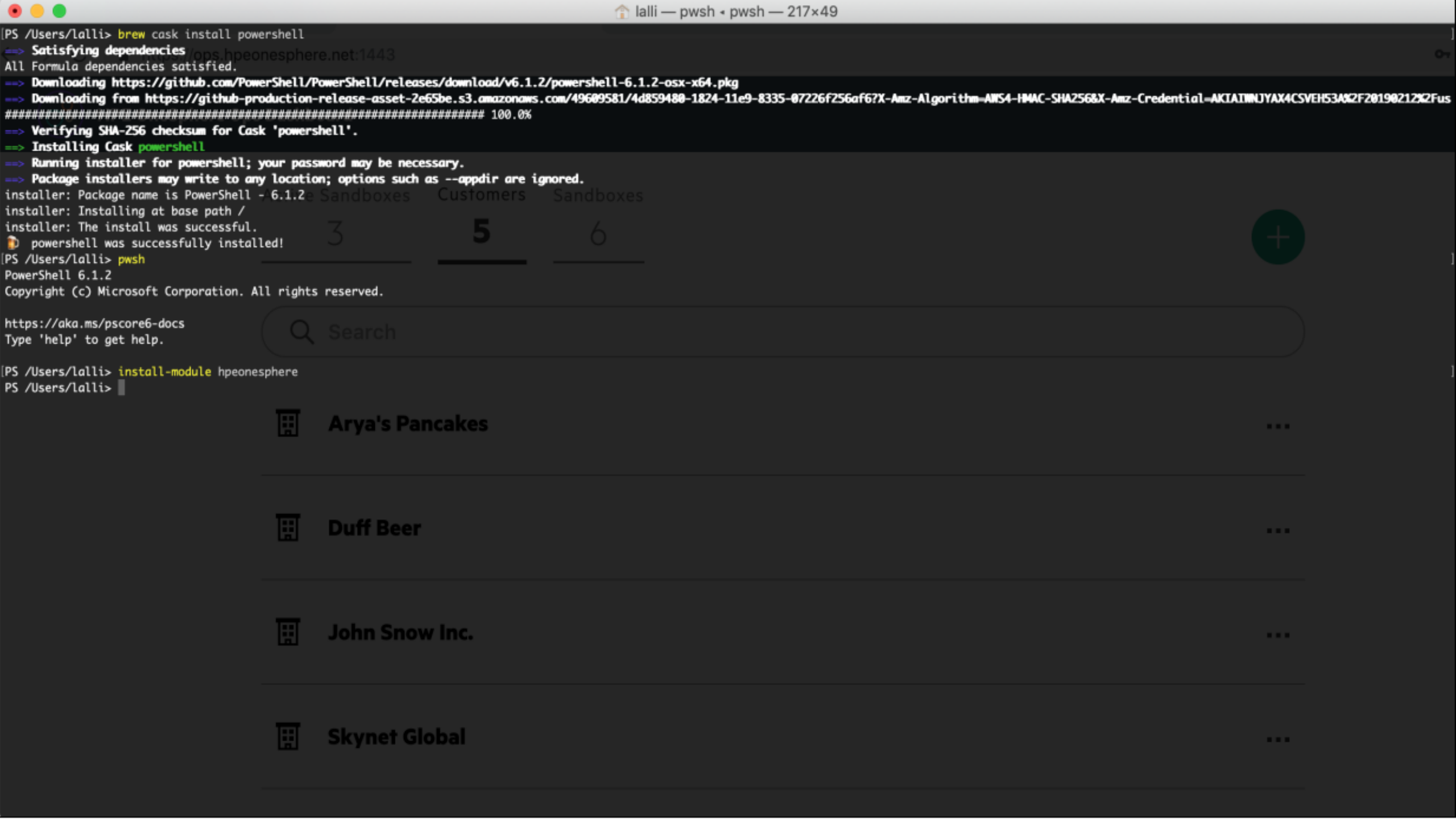
- install PowerShell using brew

  brew cask install powershell
- or install from following package

https://github.com/PowerShell/PowerShell/releases/download/v6.1.2/powershell-6.1.2-osx-x64.pkg
- Start PowerShell

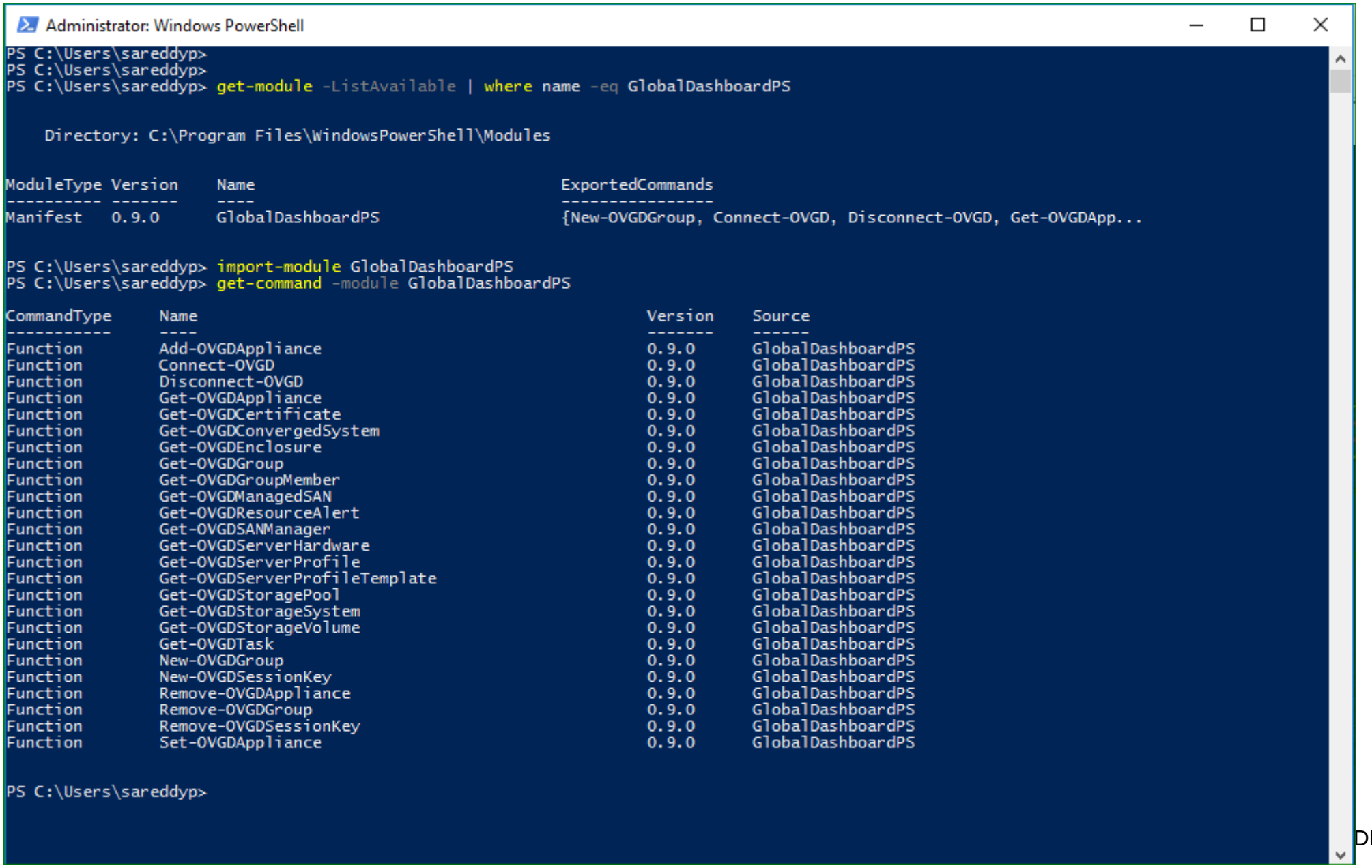
  pwsh
- Install HPE OneView Global Dashboard Module

  install-module GlobalDashboardPS(to install Globa;DashboardPS from PowerShell Gallery)
  Press Y if prompted

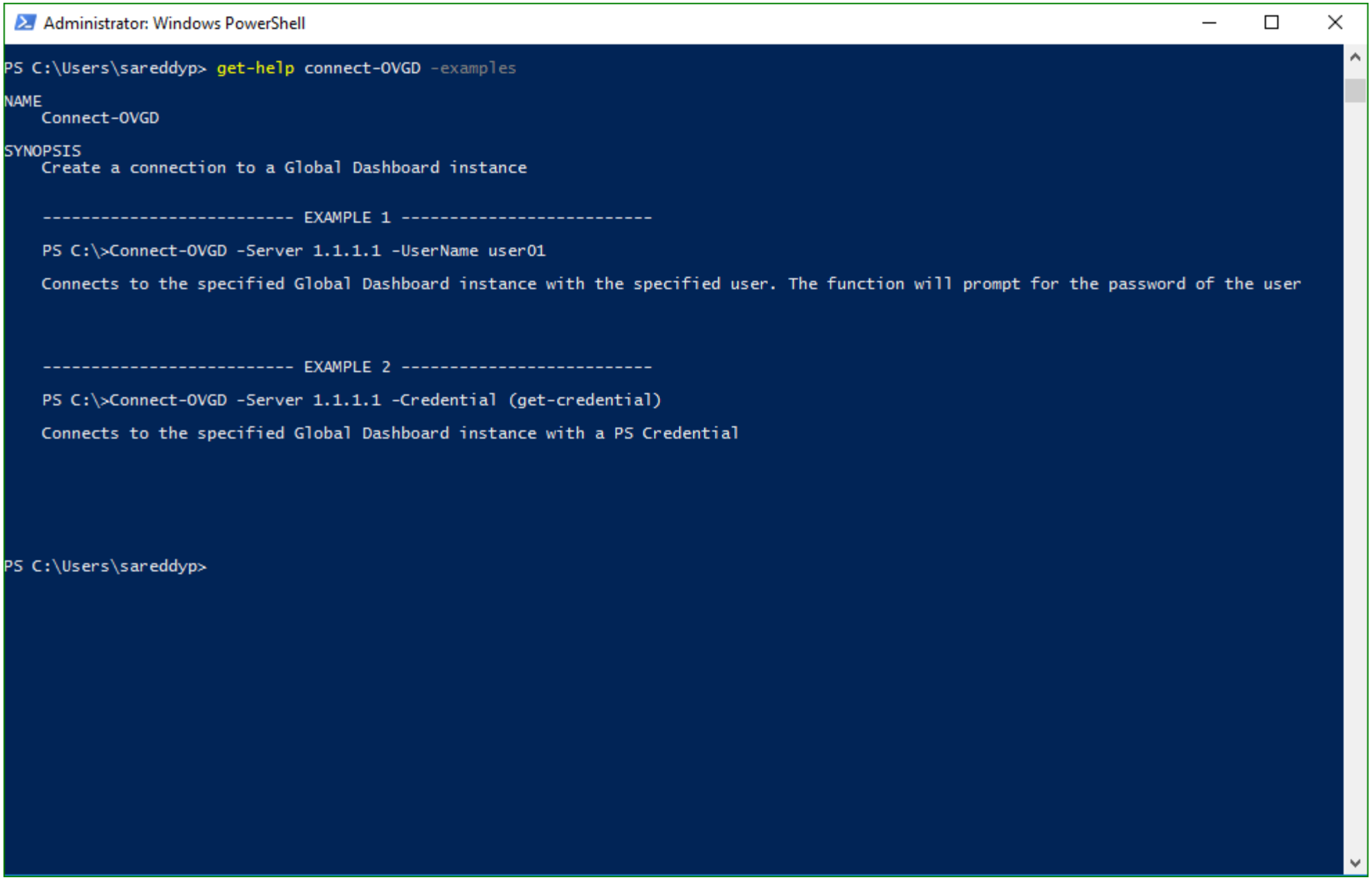

lalli — pwsh • pwsh — 217×49
[PS /Users/lalli> brew cask install powershell
==> Satisfying dependencies
All Formula dependencies satisfied.
==> Downloading https://github.com/PowerShell/PowerShell/releases/download/v6.1.2/powershell-6.1.2-osx-x64.pkg
==> Downloading from https://github-production-release-asset-2e65be.s3.amazonaws.com/49609581/4d859480-1824-11e9-8335-07226f256af6?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20190212%2Fus
100.0%
==> Verifying SHA-256 checksum for Cask 'powershell'.
==> Installing Cask powershell
==> Running installer for powershell; your password may be necessary.
==> Package installers may write to any location; options such as --appdir are ignored.
installer: Package name is PowerShell - 6.1.2
installer: Installing at base path /
installer: The install was successful.
powershell was successfully installed!
[PS /Users/lalli> pwsh
PowerShell 6.1.2
Copyright (c) Microsoft Corporation. All rights reserved.
https://aka.ms/pscore6-docs
Type 'help' to get help.
[PS /Users/lalli> install-module hpeonesphere
PS /Users/lalli>
Customers
Sandboxes
3
5
6
Search
Arya's Pancakes
Duff Beer
John Snow Inc.
Skynet Global

Step 2

- Open PowerShell console
- Run commands:
  - **get-module -ListAvailable | where name -eq GlobalDashboardPS**(to check module is now available)
  - **import-module GlobalDashboardPS** (to enable module)
  - **get-command -module GlobalDashboardPS** (to list know commands)
  - **get-help connect-OVGD -examples** (get help on a command, with examples)

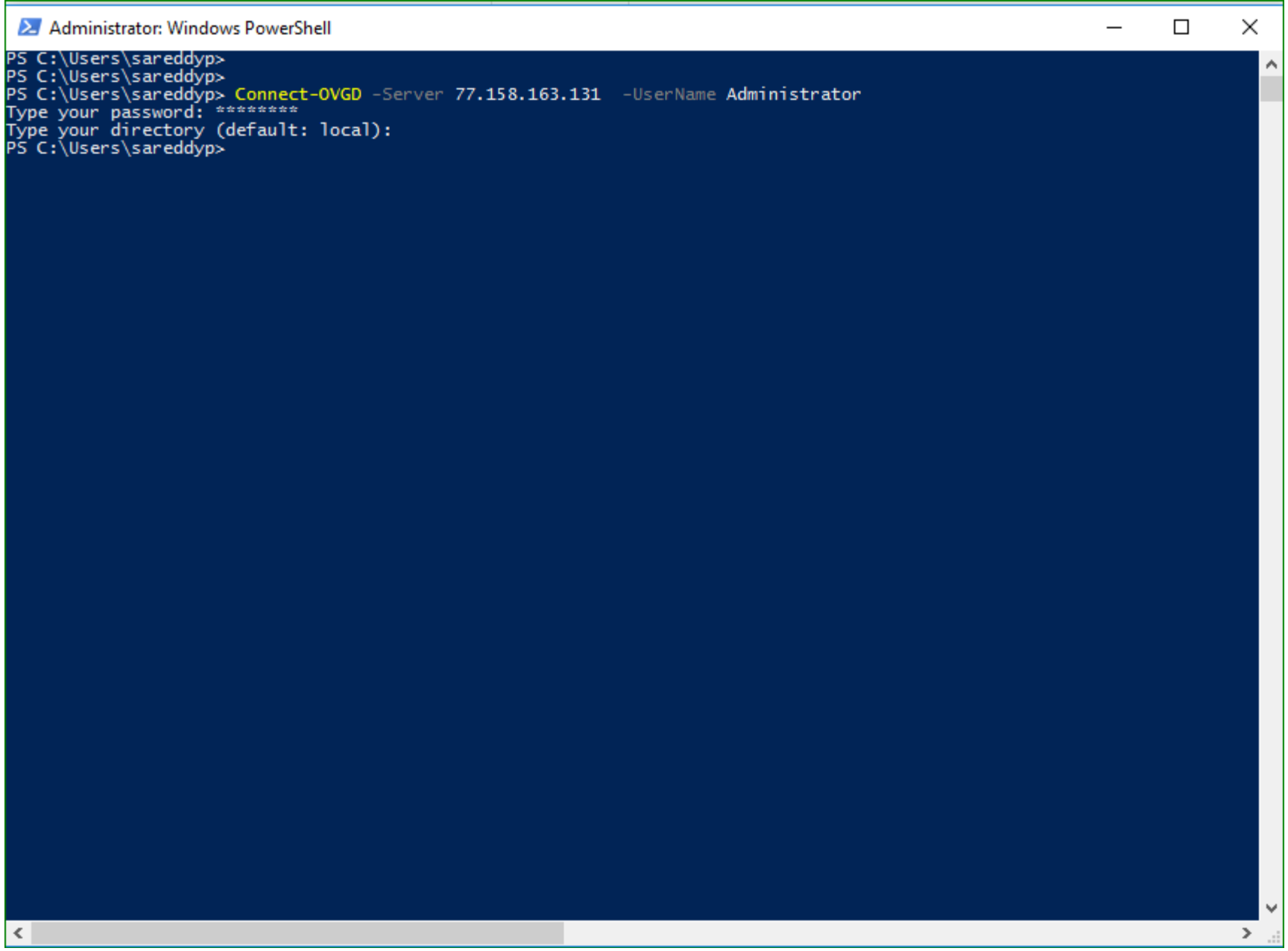

Administrator: Windows PowerShell
PS C:\Users\sareddyp>
PS C:\Users\sareddyp>
PS C:\Users\sareddyp> get-module -ListAvailable | where name -eq GlobalDashboardPS
Directory: C:\Program Files\WindowsPowerShell\Modules
ModuleType Version Name ExportedCommands
Manifest 0.9.0 GlobalDashboardPS {New-OVGDGroup, Connect-OVGD, Disconnect-OVGD, Get-OVGDApp...
PS C:\Users\sareddyp> import-module GlobalDashboardPS
PS C:\Users\sareddyp> get-command -module GlobalDashboardPS
CommandType Name Version Source
Function Add-OVGDAppliance 0.9.0 GlobalDashboardPS
Function Connect-OVGD 0.9.0 GlobalDashboardPS
Function Disconnect-OVGD 0.9.0 GlobalDashboardPS
Function Get-OVGDAppliance 0.9.0 GlobalDashboardPS
Function Get-OVGDCertificate 0.9.0 GlobalDashboardPS
Function Get-OVGDConvergedSystem 0.9.0 GlobalDashboardPS
Function Get-OVGDEnclosure 0.9.0 GlobalDashboardPS
Function Get-OVGDGroup 0.9.0 GlobalDashboardPS
Function Get-OVGDGroupMember 0.9.0 GlobalDashboardPS
Function Get-OVGDManagedSAN 0.9.0 GlobalDashboardPS
Function Get-OVGDResourceAlert 0.9.0 GlobalDashboardPS
Function Get-OVGDSANManager 0.9.0 GlobalDashboardPS
Function Get-OVGDServerHardware 0.9.0 GlobalDashboardPS
Function Get-OVGDServerProfile 0.9.0 GlobalDashboardPS
Function Get-OVGDServerProfileTemplate 0.9.0 GlobalDashboardPS
Function Get-OVGDStoragePool 0.9.0 GlobalDashboardPS
Function Get-OVGDStorageSystem 0.9.0 GlobalDashboardPS
Function Get-OVGDStorageVolume 0.9.0 GlobalDashboardPS
Function Get-OVGDTask 0.9.0 GlobalDashboardPS
Function New-OVGDGroup 0.9.0 GlobalDashboardPS
Function New-OVGDSessionKey 0.9.0 GlobalDashboardPS
Function Remove-OVGDAppliance 0.9.0 GlobalDashboardPS
Function Remove-OVGDGroup 0.9.0 GlobalDashboardPS
Function Remove-OVGDSessionKey 0.9.0 GlobalDashboardPS
Function Set-OVGDAppliance 0.9.0 GlobalDashboardPS
PS C:\Users\sareddyp>

DEV


Administrator: Windows PowerShell
PS C:\Users\sareddyp> get-help connect-OVGD -examples
NAME
Connect-OVGD
SYNOPSIS
Create a connection to a Global Dashboard instance
-------------------------- EXAMPLE 1 --------------------------
PS C:\>Connect-OVGD -Server 1.1.1.1 -UserName user01
Connects to the specified Global Dashboard instance with the specified user. The function will prompt for the password of the user
-------------------------- EXAMPLE 2 --------------------------
PS C:\>Connect-OVGD -Server 1.1.1.1 -Credential (get-credential)
Connects to the specified Global Dashboard instance with a PS Credential
PS C:\Users\sareddyp>

Step 3

- ✓ **connect-OVGD -portal 77.158.163.131** (to login)
  - ✓ **username: Administrator**
  - ✓ **password: password**
- ✓ **Get-OVGDAppliance** (to get list of appliances)
- ✓ **Get-OVGDEnclosure (**to get list of projects)
- ✓ **Get-OVGDAppliance -Name ovc7k** (to get an appliance with matching name)
- ✓ **Get-OVGDServerHardware (**to get list of server hardware)


Administrator: Windows PowerShell
PS C:\Users\sareddyp>
PS C:\Users\sareddyp>
PS C:\Users\sareddyp> Connect-OVGD -Server 77.158.163.131 -UserName Administrator
Type your password: ********
Type your directory (default: local):
PS C:\Users\sareddyp>

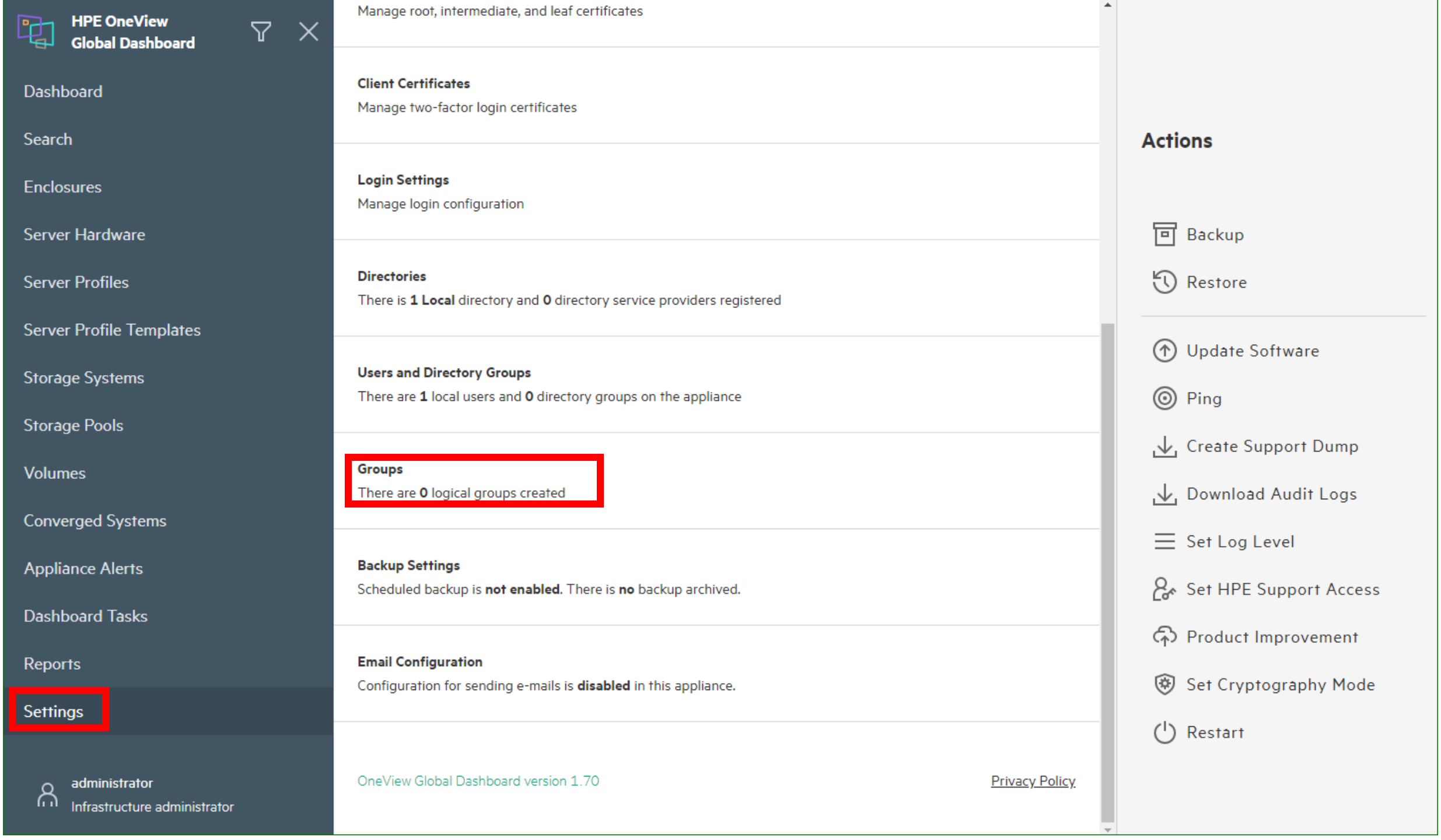
Administrator: Windows PowerShell

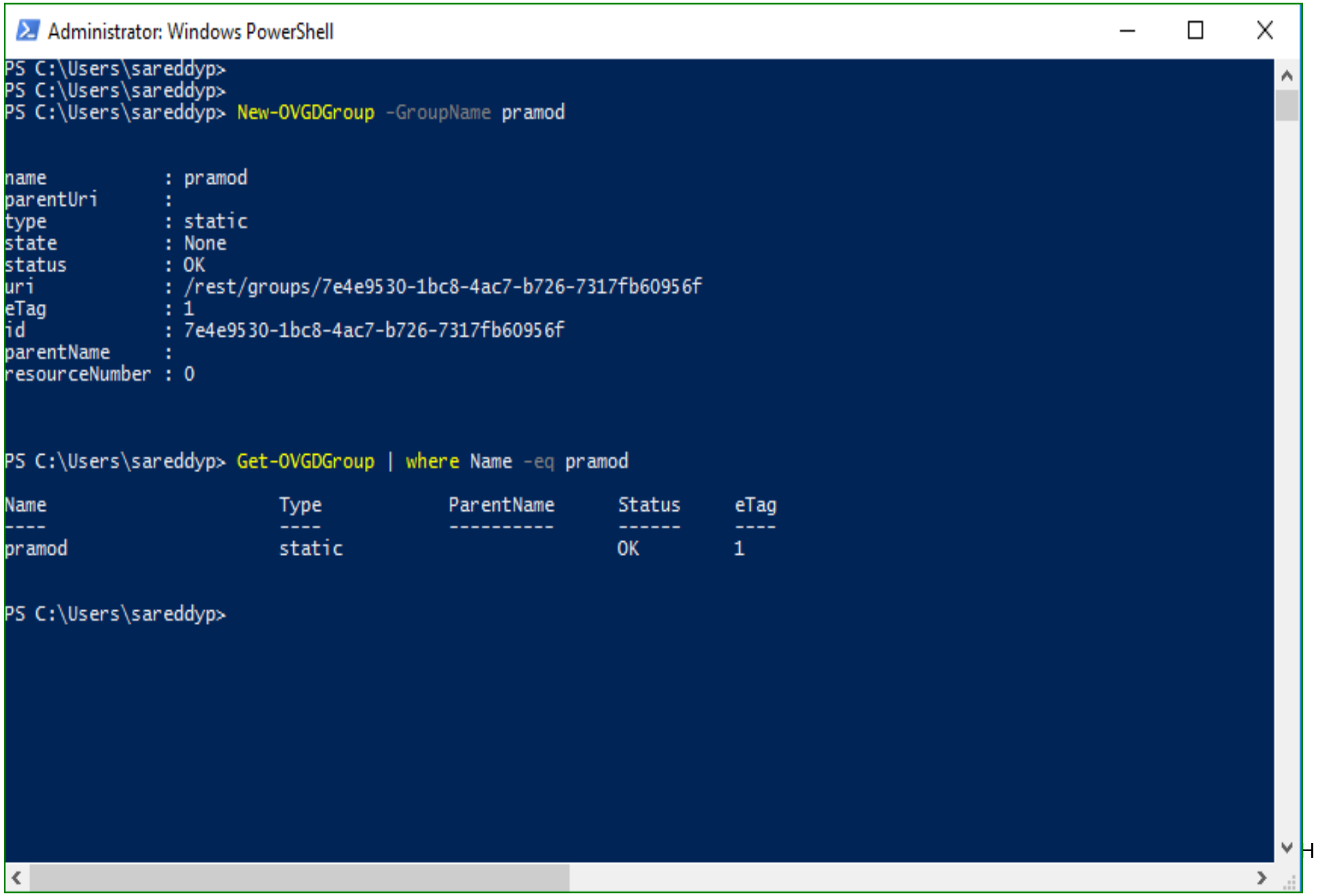
```
PS C:\Users\sareddyp>
PS C:\Users\sareddyp>
PS C:\Users\sareddyp> Connect-OVGD -Server 77.158.163.131  -UserName Administrator
Type your password: ********
Type your directory (default: local): local
PS C:\Users\sareddyp> Get-OVGDAppliance

Name                      ApplianceLocation    Version              State
----                      -----------------    -------              -----
ovc7k                     10.1.0.20            4.20.01-0380241      Online
ovsyn                     10.1.0.30            4.20.01-0380241      Online


PS C:\Users\sareddyp> Get-OVGDEnclosure

Name                      EnclosureModel                 SerialNumber     Status
----                      --------------                 ------------     ------
0000A66101                Synergy 12000 Frame            0000A66101       OK
0000A66102                Synergy 12000 Frame            0000A66102       OK
0000A66103                Synergy 12000 Frame            0000A66103       OK
Encl1                     BladeSystem c7000 Enclosure G3 SGH100X6J1       OK
Encl2                     BladeSystem c7000 Enclosure G3 SGH102X6J1       OK


PS C:\Users\sareddyp> Get-OVGDAppliance -Name ovc7k

Name                      ApplianceLocation    Version              State
----                      -----------------    -------              -----
ovc7k                     10.1.0.20            4.20.01-0380241      Online


PS C:\Users\sareddyp> Get-OVGDServerHardware
WARNING: The result has been paged. Total number of results is: 49

Name                      Model                SerialNumber     ApplianceName        State
----                      -----                ------------     -------------        -----
0000A66101, bay 11        Synergy 480 Gen10    2J2011O0GR       ovsyn                NoProfileApplied
0000A66101, bay 3         HPE Synergy 660 G... 2M201501GR       ovsyn                ProfileApplied
0000A66101, bay 4         HPE Synergy 660 G... 2M201505GR       ovsyn                NoProfileApplied
0000A66101, bay 5         HPE Synergy 480 G... 2M2011O0GR       ovsyn                NoProfileApplied
0000A66101, bay 6         Synergy 660 Gen10    2C201501GR       ovsyn                NoProfileApplied
0000A66101, bay 7         HPE Synergy 480 G... 2M201106GR       ovsyn                NoProfileApplied
0000A66101, bay 8         HPE Synergy 480 G... 2M201109GR       ovsyn                NoProfileApplied
0000A66102, bay 11        Synergy 480 Gen10    2J201106GR       ovsyn                NoProfileApplied
0000A66102, bay 3         HPE Synergy 660 G... 2M201508GR       ovsyn                NoProfileApplied
0000A66102, bay 4         HPE Synergy 660 G... 2M201512GR       ovsyn                NoProfileApplied
0000A66102, bay 5         HPE Synergy 480 G... 2M201112GR       ovsyn                NoProfileApplied
0000A66102, bay 6         Synergy 660 Gen10    2C201510GR       ovsyn                NoProfileApplied
0000A66102, bay 7         HPE Synergy 480 G... 2M201118GR       ovsyn                NoProfileApplied
0000A66102, bay 8         HPE Synergy 480 G... 2M201121GR       ovsyn                NoProfileApplied
0000A66103, bay 11        Synergy 480 Gen10    2J201112GR       ovsyn                NoProfileApplied
0000A66103, bay 3         HPE Synergy 660 G... 2M201515GR       ovsyn                NoProfileApplied
0000A66103, bay 4         HPE Synergy 660 G... 2M201519GR       ovsyn                NoProfileApplied
0000A66103, bay 5         HPE Synergy 480 G... 2M201124GR       ovsyn                NoProfileApplied
0000A66103, bay 6         Synergy 660 Gen10    2C201519GR       ovsyn                NoProfileApplied
0000A66103, bay 7         HPE Synergy 480 G... 2M201130GR       ovsyn                NoProfileApplied
0000A66103, bay 8         HPE Synergy 480 G... 2M201133GR       ovsyn                NoProfileApplied
Encl1, bay 1              ProLiant BL660c Gen9 SGH100X7RN       ovc7k                ProfileApplied
Encl1, bay 11             ProLiant BL460c Gen9 SGH100X4RN       ovc7k                NoProfileApplied
Encl1, bay 12             ProLiant BL460c Gen9 SGH101X4RN       ovc7k                NoProfileApplied
Encl1, bay 13             ProLiant BL460c Gen9 SGH102X4RN       ovc7k                NoProfileApplied


PS C:\Users\sareddyp>
```

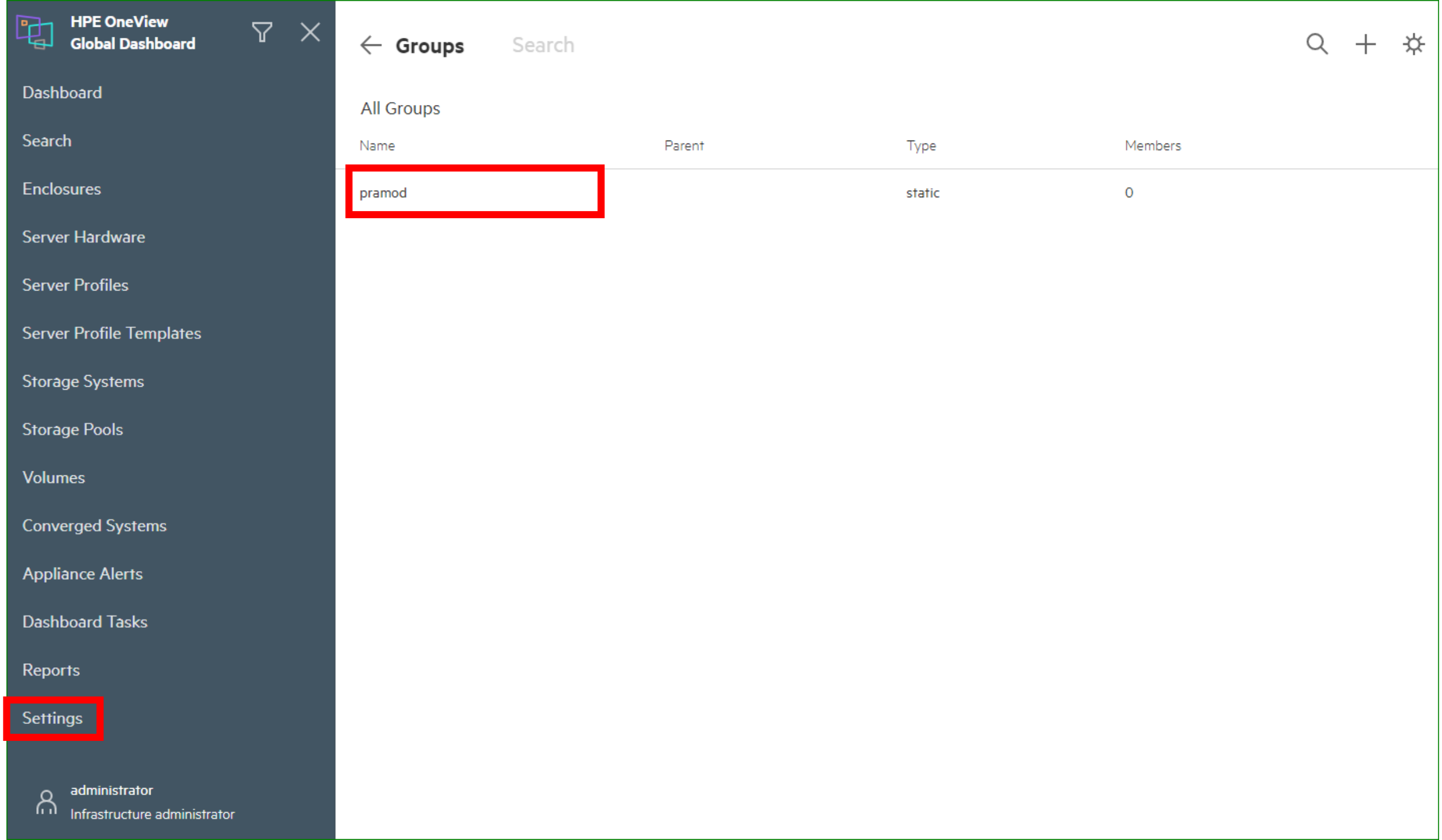
HPE DEV

Step 4

- Open HPE OV Global Dashboard GUI on Settings
- Run commands
  - **New-OVGDGroup -GroupName <PutYourNameHere>**
- Check HPE OV Global Dashboard GUI on Groups
- Run commands
  - **Get-OVGDGroup -id <IDofYourGroup>**
  - **Get-OVGDGroup -id <IDofYourGroup> | fc** (to retrieve all the properties)
  - **Remove-OVGDGroup –id <IDofYourGroup>** (to delete your project)
  - **Disconnect-OVGD** (to logout)


HPE OneView
Global Dashboard
Dashboard
Search
Enclosures
Server Hardware
Server Profiles
Server Profile Templates
Storage Systems
Storage Pools
Volumes
Converged Systems
Appliance Alerts
Dashboard Tasks
Reports
Settings
administrator
Infrastructure administrator
Manage root, intermediate, and leaf certificates
Client Certificates
Manage two-factor login certificates
Login Settings
Manage login configuration
Directories
There is 1 Local directory and 0 directory service providers registered
Users and Directory Groups
There are 1 local users and 0 directory groups on the appliance
Groups
There are 0 logical groups created
Backup Settings
Scheduled backup is not enabled. There is no backup archived.
Email Configuration
Configuration for sending e-mails is disabled in this appliance.
OneView Global Dashboard version 1.70
Privacy Policy
Actions
Backup
Restore
Update Software
Ping
Create Support Dump
Download Audit Logs
Set Log Level
Set HPE Support Access
Product Improvement
Set Cryptography Mode
Restart


Administrator: Windows PowerShell
PS C:\Users\sareddyp>
PS C:\Users\sareddyp>
PS C:\Users\sareddyp> New-OVGDGroup -GroupName pramod
name : pramod
parentUri :
type : static
state : None
status : OK
uri : /rest/groups/7e4e9530-1bc8-4ac7-b726-7317fb60956f
eTag : 1
id : 7e4e9530-1bc8-4ac7-b726-7317fb60956f
parentName :
resourceNumber : 0
PS C:\Users\sareddyp> Get-OVGDGroup | where Name -eq pramod
Name Type ParentName Status eTag
pramod static OK 1
PS C:\Users\sareddyp>


HPE OneView
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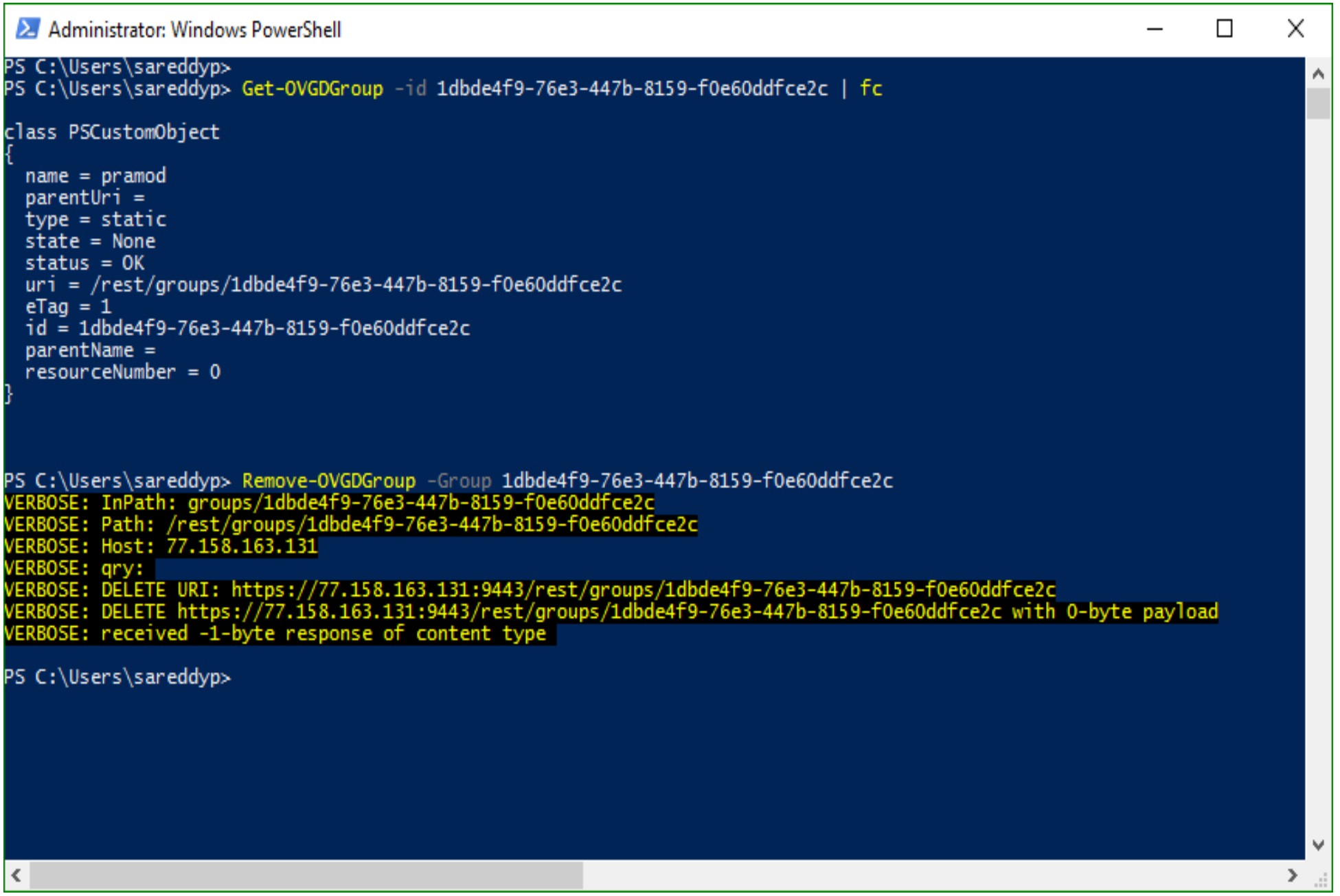
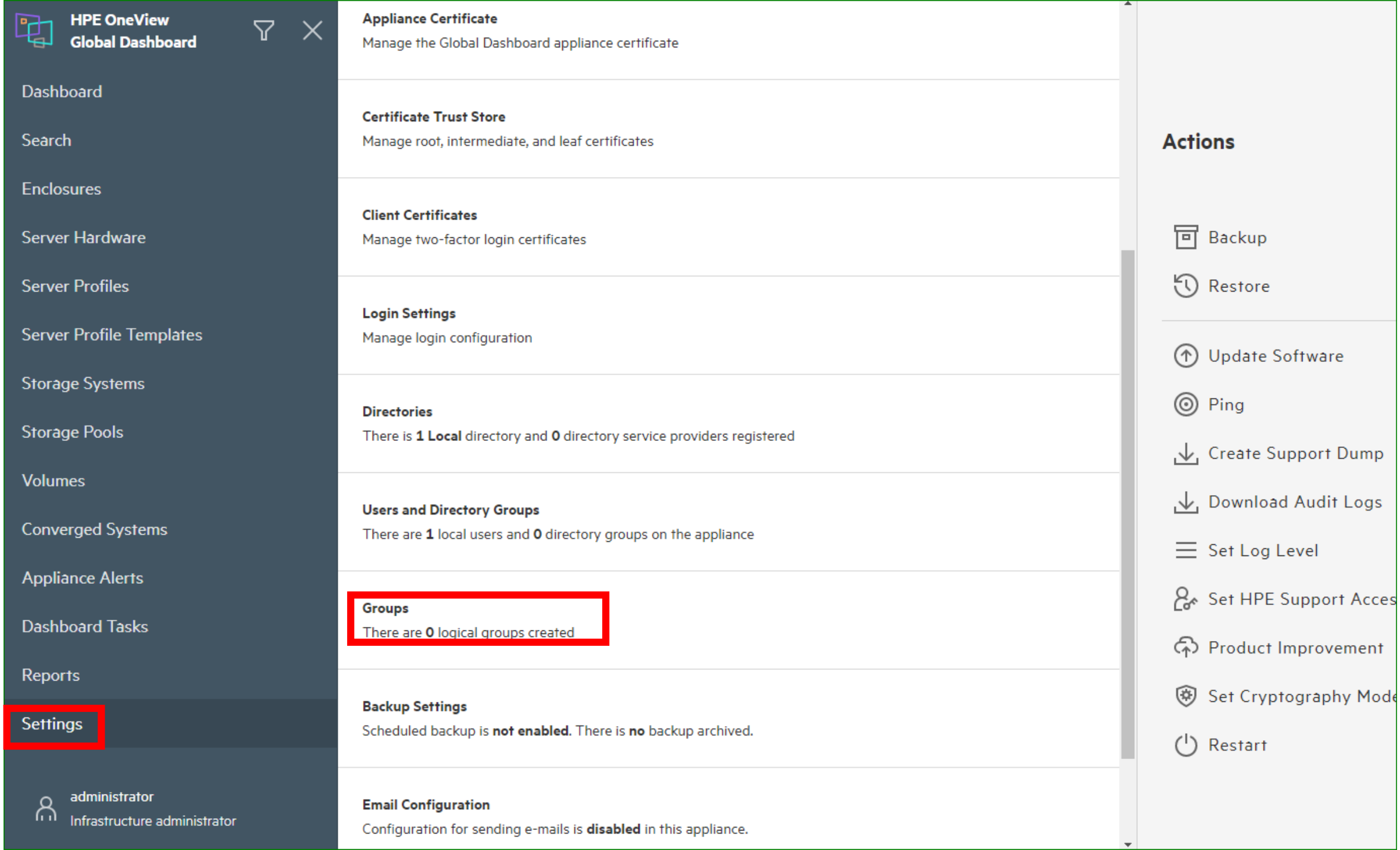
administrator
Infrastructure administrator
Groups
Search
All Groups
Name
Parent
Type
Members
pramod
static
0


Administrator: Windows PowerShell
PS C:\Users\sareddyp>
PS C:\Users\sareddyp> Get-OVGDGroup -id 1dbde4f9-76e3-447b-8159-f0e60ddfce2c | fc
class PSCustomObject
{
name = pramod
parentUri =
type = static
state = None
status = OK
uri = /rest/groups/1dbde4f9-76e3-447b-8159-f0e60ddfce2c
eTag = 1
id = 1dbde4f9-76e3-447b-8159-f0e60ddfce2c
parentName =
resourceNumber = 0
}
PS C:\Users\sareddyp> Remove-OVGDGroup -Group 1dbde4f9-76e3-447b-8159-f0e60ddfce2c
VERBOSE: InPath: groups/1dbde4f9-76e3-447b-8159-f0e60ddfce2c
VERBOSE: Path: /rest/groups/1dbde4f9-76e3-447b-8159-f0e60ddfce2c
VERBOSE: Host: 77.158.163.131
VERBOSE: qry:
VERBOSE: DELETE URI: https://77.158.163.131:9443/rest/groups/1dbde4f9-76e3-447b-8159-f0e60ddfce2c
VERBOSE: DELETE https://77.158.163.131:9443/rest/groups/1dbde4f9-76e3-447b-8159-f0e60ddfce2c with 0-byte payload
VERBOSE: received -1-byte response of content type
PS C:\Users\sareddyp>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administrator
Infrastructure administrator
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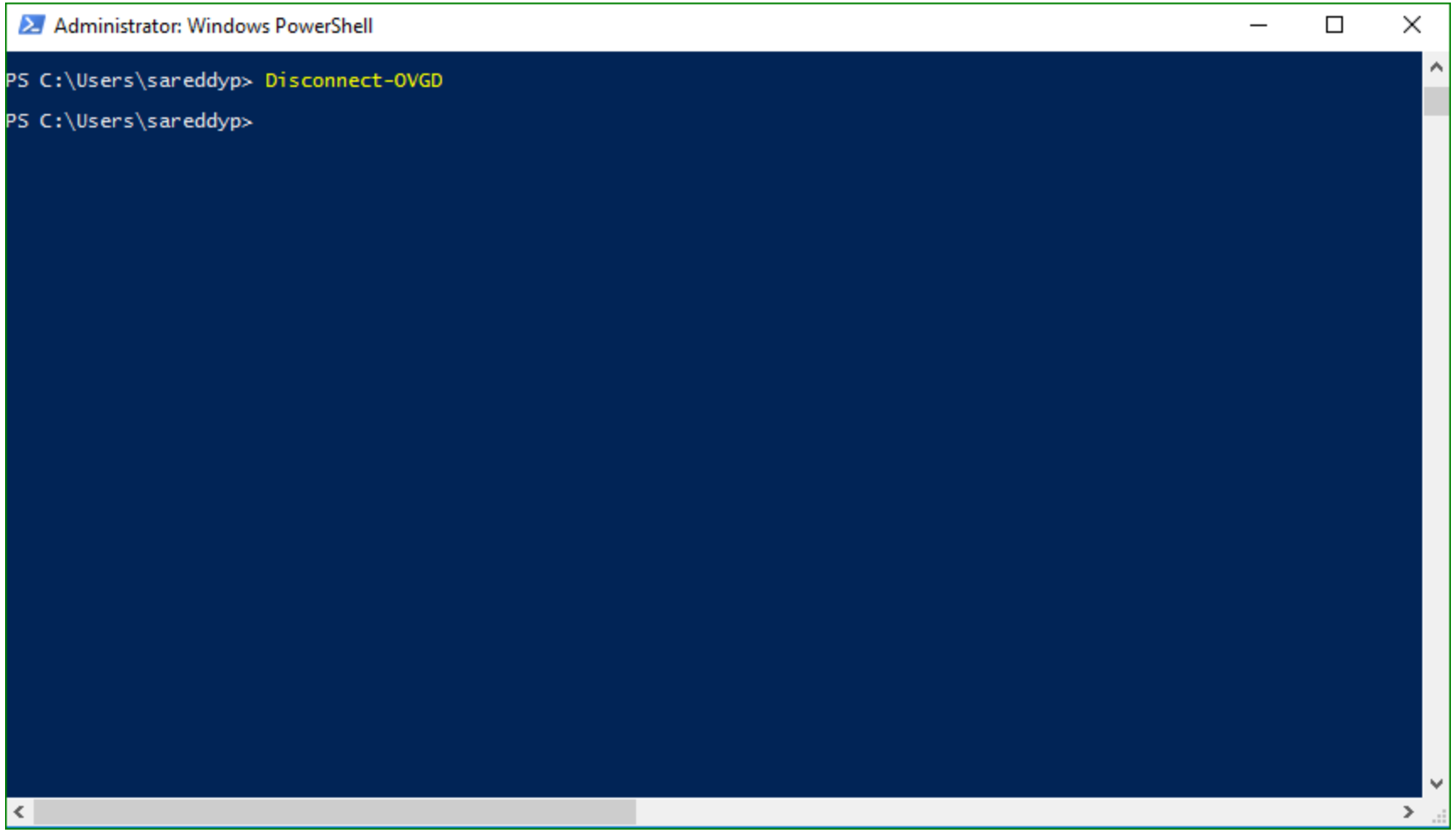
Update Software
Ping
Create Support Dump
Download Audit Logs
Set Log Level
Set HPE Support Acces
Product Improvement
Set Cryptography Mode
Restart


Administrator: Windows PowerShell
PS C:\Users\sareddyp> Disconnect-OVGD
PS C:\Users\sareddyp>

HPE Developer Program

HPE DEV

– developer.hpe.com
– Hackshacks
– Hackathons
– blog articles
– language bindings
– Engaging with developers
– Exposing our APIs to Partners and Customers

Follow along lab 4

Accessing the API Documentation on developer.hpe.com

Step 1

- Open browser to: **developer.hpe.com**
  - Select Platforms
  - Select HPE OneView Global Dashboard
  - Select API Reference on SwaggerHub

HPE OneView Global Dashboard

HPE OneView Global Dashboard allows you to manage up to 25 HPE OneView or HPE Synergy instances, and 150 HPE Hyper Converged 380 instances across data centers.

Unified View of Infrastructure Across Data Centers in Multiple Locations

The HPE OneView Global Dashboard provides a unified view of the health and inventory of Hewlett Packard Enterprise servers, profiles, enclosures, HPE Synergy frames and HPE 3PAR storage systems across multiple appliances for ease of management.

Supports multiple versions of OneView includeing: HPE OneView and HPE Synergy Composer including 3.1, 4.0, 4.1

Aggregates critical activities from multiple appliances into a single feed to quickly identify issues occurring on monitored hardware for prompt resolution.

Generates reports for monitored assets to view inventory, including firmware versions as well as compliance that allow you to verify that your equipment meets corporate standards.

One click navigation with single sign-on in context launch of managed resources.

→ **Learn more about Global Dashboard**

API Reference

Global Dashboard provides a public REST API to can be used to retrieve information about resources. For example, you can retrieve server-hardware information about thousands of servers from datacenters scattered across the global with a single API call.

OpenAPI Definition

OpenAPI (Swagger) definition of the Global Dashboard API

→ **API Reference on SwaggerHub**

Specifies the version of the API to invoke.

Info

Search

APPLIANCES

POST /rest/appliances
GET /rest/appliances
GET /rest/appliances/{id}
PATCH /rest/appliances/{id}
DELETE /rest/appliances/{id}
GET /rest/appliances/{id}/sso

CERTIFICATES

GET /rest/certificates/https/re
POST /rest/certificates/servers
DELETE /rest/certificates/servers,

CONVERGED SYSTEMS

GET /rest/converged-systems
GET /rest/converged-systems,

ENCLOSURES

GET /rest/enclosures
GET /rest/enclosures/{id}
GET /rest/enclosures/{id}/oaS

GROUPS

Aa PUBLISHED

Read Only

```yaml
swagger: '2.0'
info:
  title: HPE OneView Global Dashboard REST API
  version: '2'
  description: Product version 1.60.02
tags:
  - name: Appliances
    description: Operations on appliances
  - name: Certificates
    description: Operations on certificates
  - name: Converged Systems
    description: Operations on converged systems
  - name: Enclosures
    description: Operations on enclosures
  - name: Groups
    description: Operations on groups
  - name: Login Sessions
    description: Operations on login sessions
  - name: Managed SANs
    description: Operations on managed SANs
  - name: Network Interfaces
    description: Operations on network interfaces
  - name: Resource Alerts
    description: Operations on resource alerts
  - name: SAN Managers
    description: Operations on SAN Managers
  - name: Server Firmware
    description: Operations on server firmware
  - name: Server Hardware
    description: Operations on server hardware
  - name: Server Profiles
    description: Operations on server profiles
  - name: Server Profile Templates
    description: Operations on server profile templates
  - name: Storage Pools
    description: Operations on storage pools
  - name: Storage Systems
    description: Operations on storage systems
  - name: Storage Volumes
```

Last Saved: 4:06:13 pm - Mar 13, 2019 ✔ VALID

Product version 1.60.02

Note: The interactive forms are disabled, as no `host` property was found in the specification. Please see: OAI 2.0/#swagger-object

Appliances Operations on appliances

POST **/rest/appliances** Add appliance

Add a new appliance into Global Dashboard.

The table below gives an overview of the process for adding an appliance.

Description	Method	Path
Get certificates from remote appliance	GET	/rest/certificates/https/remote/{address}
Store certificates	POST	/rest/certificates/servers
Add appliance	POST	/rest/appliances

Parameters

Name	Description
auth * required string (header)	Session authorization token obtained from logging in. If this header is not included or if the session-token is invalid, the response code will be 401 Unauthorized.

Thank You!

developer.hpe.com