

Automate Storage Administration Using ONTAP REST API and Ansible

Abstract

This training prepares you to automate storage administration of a NetApp® ONTAP® system by using modern REST APIs and Ansible. You learn about the structure of an ONTAP REST API. You write Python programs that use the Python client library to create an aggregate, a storage virtual machine (SVM), a flexible volume, a qtree, a snapshot, and so on. You learn how to use NetApp PowerShell Toolkit scripts that invoke REST API methods to demonstrate popular use case scenarios. You use the modern Ansible framework to automate and deploy storage administration tasks through ONTAP modules. Finally, you use Python programs and Ansible to configure your system for CIFS, NFS, and SAN protocols.

This training includes classroom lecture, coding demonstrations, and hands-on programming activities.

Objectives

This course focuses on enabling you to do the following:

- Describe the ONTAP REST APIs and the Ansible framework
- Write Python programs to create, access, update, and delete ONTAP resources such as aggregates, SVMs, volumes, and so on
- Learn to use NetApp PowerShell Toolkit scripts to automate administration of the ONTAP system
- Learn to use the Ansible framework to call ONTAP modules from within a playbook for automation of storage administration
- Programmatically configure CIFS, NFS, and SAN protocols
- Learn about performance monitoring of an ONTAP system

Prerequisites

- *ONTAP Cluster Administration*
- Python programming experience required

Delivery Type

Instructor-led training (ILT)
Virtual instructor-led training (VILT)

Duration

3 course days

Audience

Customers, channel partners, OEM partners, Authorized Learning Partners (ALPs), Global Systems Integrators (GSIs), third-party software developers, infrastructure and professional services engineers, and NetApp employees

Training Units

36

Language

English

Pricing and Cancellation Policy

For information specific to this course, visit the NetApp LearningCenter.

If you are registering for this course with an authorized learning partner, review the partner's policy.

Course ID: STRSW-ILT-RSTAPI
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