

Automate Storage Administration Using ONTAP REST API and Ansible

Module 1: ONTAP REST API

- What is REST API?
- ONTAP REST API documentation
- Python client library

Module 2: REST API Use Cases: Python Programming

- Create an aggregate, a storage VM, and a volume
- Volume management
- Create a Snapshot copy

Module 3: Windows PowerShell for REST API

- Introduction to NetApp PowerShell Toolkit
- Use case scenario of REST API methods

Module 4: Automation Using Ansible

- Introduction to Ansible
- Basics of YAML and YML
- Basics of Ansible
- Installing Ansible
- Ansible Playbooks
- Ansible Modules
- Coding Demonstration of Simple Playbooks

Module 5: CIFS Configuration

- CIFS configuration by a Python program
- CIFS configuration by an Ansible playbook

Module 6: NFS Configuration

- NFS configuration by a Python program
- NFS configuration by an Ansible playbook

Module 7: SAN Configuration

- SAN REST API documents
- iSCSI configuration
- FCP and NVMe-oF configuration
- Ansible modules and playbooks

Module 8: Performance Monitoring

- ONTAP performance
- Performance Metrics
- Collecting ONTAP Metrics