VERITAS

The truth in information.

COURSE DESCRIPTION

The *Veritas NetBackup Flex 5250 Appliance: Administration* course is designed for IT professionals who are responsible for deploying, configuring, operating, managing, and maintaining Veritas NetBackup Flex appliances.

This course covers how to configure Flex appliances using containers. Participants learn how to set up and work with the Flex appliance, modify settings, manage users, monitor, and reconfigure the Flex appliance. The course also discusses Flex appliance security and how to upgrade and rollback the Flex appliance.

Delivery Method(s)
This course is available in the following delivery method(s):
- Instructor-led training (ILT)
- Virtual instructor-led training (VILT)
- Learning Lab

Duration
- Instructor-led training - ILT: 3 days, including 6 months of lab access
- Virtual instructor-led training - VILT: 3 days, including 6 months of lab access
- Learning Lab – Self-paced lesson guide plus 6 months of lab access

Course Objectives
By the completion of this course, you will be able to:
- Describe the Veritas Flex appliance and its hardware and software components.
- Describe the fundamentals of Flex appliance containers, their implementation, and the advantages of running NetBackup in a container.
- Set up the Veritas Flex appliance.
- Work with the Flex appliance Web console.
- Modify Flex appliance settings using Flex Shell commands.
- Manage Flex appliance tenants and users.
- Create and manage application instances.
- Manage and monitor Flex appliance security features.
- Monitor Flex appliance.
- Perform factory reset and storage reset to reconfigure Flex appliance.
- Upgrade and rollback the Flex appliance.

Who Should Attend
This course is designed for technical professionals responsible for the design, configuration, operation, monitoring, and management of the Veritas Flex Appliance.

Prerequisites
Students must have working knowledge of Veritas NetBackup and Veritas NetBackup appliances. Knowledge of clustering, storage management, and networking are also required.

Hands-On
This course includes practical hands-on exercises that enable you to test your new skills and begin to transfer them into your working environment.

COURSE OUTLINE

Introducing Veritas NetBackup Flex 5250 Appliance
- Veritas Flex Appliance: Introduction
- Flex Appliance 5250: Hardware
- Flex Appliance 5250: Software
- Flex Appliance 5250 Management and Monitoring

Understanding Flex Appliance Containers
- Container Fundamentals
- Docker Basics
- Flex Appliance 5250: Container Implementation
- Running NetBackup in a Container: Advantages

Setting up and Working with the Veritas Flex Appliance
- Setting up the Veritas Flex 5250 Appliance
- Accessing and Using Flex Appliance Shell
- Accessing and Using Flex Appliance Console
- Troubleshooting Flex Appliance Web Console Errors

Labs:
- Exercise A: Configuring the Flex Appliance Network on the Flex Node: nbfa-5250
- Exercise B: Adding the Flex Appliance Details in the Hosts File
- Exercise C: Configuring the Flex Appliance Console
- Exercise D: Verifying the Flex Appliance Shell and Flex Appliance Console Details
- Exercise E: Accessing and Navigating the Flex Appliance Shell
- Exercise F: Accessing and Navigating the Flex Appliance Console
- Exercise G: Verifying Flex Appliance Services List Details
- Exercise H: Verifying Flex Appliance System List Details
- Exercise I: Accessing the Flex Appliance Repositories List

Modifying Veritas Flex Appliance settings
- Configuring the Network
- Managing Flex Appliance Fibre Channel Ports

Labs:
- Exercise A: Creating a Network Bond – bond0
- Exercise B: Creating a Network Bond – bond1
- Exercise C: Configuring a Network Interface – bond0
- Exercise D: Configuring a Network Interface with VLAN Tagging – bond1
- Exercise E: Configuring NTP Server on Flex Appliance Node
- Exercise F: Adding and Removing a Node from the Hosts File
- Exercise G: Deleting a Network Bond – bond1

Managing Flex Appliance Users
- Working with Tenants
- Managing Users
- Using Active Directory User Credentials with Flex Appliance

Labs:
- Exercise A: Working with Tenants
- Exercise B: Managing Flex Appliance Console Users

Working with the Flex Appliance
- Managing Applications and Upgrade Packages in Repository
- Creating Application Instances
- Creating a WORM Storage Instance
- Managing Application Instances
- Veritas Flex Appliance: Multiple Network Support
- Instance Upgrade

Labs:
- Exercise A: Adding Application Packages in the Repository
- Exercise B: Creating a NetBackup Primary and Media Server Instances
- Exercise C: Upgrading Application Instances
- Exercise D: Creating a NetBackup MSDP Cloud Media Server Instance
- Exercise E: Configuring and Performing Backups to MSDP Cloud
- Exercise F: Managing Application Instances

Monitoring the Flex Appliance
- AutoSupport and Call Home
- Monitoring the Hardware from the Flex Appliance Shell

Labs:
- Exercise A: Viewing and Configuring Call Home Settings
- Exercise B: Deleting and Disabling Call Home settings
- Exercise C: Gathering Device Logs

Reconfiguring the Flex Appliance
- Reconfiguring the Appliance
- Adding a Storage Expansion Memory Kit

Labs:
- Exercise A: Viewing and Stopping an Application Instance
- Exercise B: Performing a Factory Reset
- Exercise C: Performing a Storage Reset

Flex Appliance: Upgrades and Updates
- Flex Appliance: Upgrades
- Flex Appliance: Updates

Labs:
- Exercise A: Adding WORM Packages to the Add-ons Repository
- Exercise B: Verifying the Flex Appliance Upgrade Status
- Exercise C: Verifying AutoSupport (Call Home) Settings

Flex Appliance Security
- Flex Appliance Security

Labs:
- Exercise A: Configuring the NetBackup WORM Storage Server Instance
- Exercise B: Configuring the Disk Pool and WORM Storage Unit
- Exercise C: Configuring a NetBackup Policy
- Exercise D: Understanding Catalog Operations on WORM Image Copy
- Exercise E: Maintaining Appliance Security
- Exercise F: Working with Flex Appliance Lock Down Modes