Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Veritas NetBackup Flex 5360 Appliance: Administration

CODE:	LENGTH:	PRICE:
VER_NBF_5360A_ADM	24 Hours (3 days)	Request Price

Description

The Veritas NetBackup Flex 5360 Appliance: Administration course is designed for IT professionals who are responsible for deploying, configuring, operating, managing, and maintaining the Veritas NetBackup Flex 5360 Appliance.
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, add nodes, and reconfigure the Flex appliance. The course also discusses Flex appliance security and how to upgrade and rollback the Flex appliance.

Delivery Methods

This course is available in the following delivery methods:
• Instructor-led training (ILT)
• Self-Paced eCourse with Lab

Duration

• Instructor-led training - ILT: 3 days, including 6 months of lab access
• Self-Paced eCourse with Lab – Self-paced lesson guide plus 6 months of lab access

Objectives

After completing this course, you will be able to:

• Explain the functionality of the Veritas NetBackup Flex 5360 appliance.
• List the server node and storage shelve characteristics.
• Explain the Flex appliance software and hardware components.
• Explain container isolation and security details in NetBackup Flex 5360 appliances.
• Perform the initial configuration for the Flex 5360 appliance.
• Configure Flex appliance for a two-node High Availability (HA) solution.
• Work with the Flex Appliance Shell and the Flex Appliance Console.
• Create, edit, and delete a network bond.
• Understand Flex appliance fibre channel port functionality.
• State the default users, user access roles, and user types available with the Flex appliance.
• Configure Single Sign-on, smart card authentication, and multifactor authentication.
• Explain the functionality of tenants.
• Add and remove applications and Flex appliance upgrade packages.
• Create NetBackup Primary server, Media server, and WORM storage server instances.
• Upgrade the Flex appliance.
• Configure and manage remote replication.
• Describe intrusion detection and intrusion prevention.
• Summarize Flex appliance lockdown modes.
• Explain the AutoSupport and CallHome features.
• Gather and forward logs to Veritas Technical Support.
• Perform an appliance factory reset and a storage reset.
• Reimage the Flex appliance.
• Use the appliance or node serial number to generate an access key to unlock access in the lockdown mode.
• List the available log packages on the Flex appliance.

Audience

This course is designed for technical professionals responsible for the design, configuration, operation, monitoring, and management of the Veritas Flex 5360 Appliance.

Prerequisites

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

Programme

Introducing Veritas NetBackup Flex 5360 Appliance

• Veritas NetBackup Flex 5360 Appliance: Introduction
• Veritas NetBackup Flex 5360 Appliance: Hardware
• Veritas NetBackup Flex 5360 Appliance Storage Shelves
• Understanding Appliance and Storage Shelf Connections
• Veritas NetBackup Flex 5360 Appliance: Software
• Veritas NetBackup Flex 5360 Appliance: Management and Monitoring

Understanding Flex Appliance Containers

• Container Fundamentals
• Docker Basics
• Flex 5360 Appliance: Container Implementation
• Running NetBackup in a Container

Setting Up and Working with Flex Appliance

• Setting Up the Veritas NetBackup Flex 5360 Appliance
• Configuring Flex 5360 Appliance on the First Node
• Adding a Second Node to the Flex 5360 Appliance
• Using the Flex Appliance Shell
• Working with the Flex Appliance Console

Labs

• Exercise A: Performing Network Configuration on Flex Appliance Node 1
• Exercise B: Configuring the Flex Appliance Console on Node 1
• Exercise C: Performing Network Configuration on Flex Appliance Node 2
• Exercise D: Adding Flex Appliance Node 2 to the Flex Appliance Node 1 for High Availability
• Exercise E: Setting Up the Flex Appliance Console Password
• Exercise F: Verifying Flex Appliance Shell and Flex Appliance Console Logins
• Exercise G: Accessing and Navigating the Flex Appliance Shell
• Exercise H: Accessing and Navigating the Flex Appliance Console
• Exercise I: Verifying Flex Appliance Services
• Exercise J: Verifying Flex Appliance System Data Details
• Exercise K: Accessing Flex Appliance Repositories

Managing Flex Appliance Network 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 the Network Interface – bond0
• Exercise D: Configuring a Network Interface with VLAN Tagging – bond1
• Exercise E: Configuring the NTP Server on the Flex Appliance Nodes
• Exercise F: Adding and Removing a Node from the Hosts File

Managing Flex Appliance Users

• Managing Users
• Managing Single Sign-on (SSO)
• Managing User Authentication with Smart Cards or Digital Certificates

• Managing Multifactor Authentication
• Working with Tenants
• Using Active Directory User Credentials with Flex Appliance

Labs

• Exercise A: Working with Tenants
• Exercise B: Managing Flex Appliance Console Local Users
• Exercise C: Managing Flex Appliance Console Active Directory Users
• Exercise D: Configuring and Managing Single Sign-on for Users
• Exercise E: Managing Multifactor Authentication for Users

Working with Flex Appliance

• Managing the Repository
• Creating Application Instances
• Managing Application Instances
• Performing Instance Upgrades
• Working with Flex Appliance Updates

Labs

• Exercise A: Managing the Repository
• Exercise B: Creating Application Instances
• Exercise C: Managing Application Instances
• Exercise D: Performing Instance Upgrades
• Exercise E: Working with Flex Appliance Updates

Using Remote Replication

• Introducing Remote Replication
• Managing Remote Replication

Labs

• Exercise A: Pairing Appliances for Remote Replication
• Exercise B: Creating a Replica of the Primary Server Application Instance
• Exercise C: Managing Remote Replication

Understanding Flex Appliance Security

• Understanding Flex Appliance Security

Labs

• Exercise A: Using a Sign-in Banner
• Exercise B: Using Network Access Control
• Exercise C: Changing the SSH Port
• Exercise D: Using the Lockdown Mode
• Exercise E: Unlocking User Accounts
• Exercise F: Changing the Password Policy

Monitoring the Flex Appliance

• Registering an Appliance
• Configuring Alerts
• Viewing and Monitoring the Hardware Status Labs
• Exercise A: Viewing and Configuring Call Home Settings
• Exercise B: Configuring Email Alerts
• Exercise C: Configuring SNMP Alerts
• Exercise D: Setting the Threshold Values for Disk Usage Alerts

Reconfiguring the Flex Appliance

• Reconfiguring the Flex Appliance

Labs

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

Performing General Flex Appliance Troubleshooting

• Troubleshooting Guidelines

Labs

• Exercise A: Viewing the Hardware Status
• Exercise B: Gathering Logs

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.