

Nutanix Data Services Administration

Course Summary

Description

This course teaches you the administrative skills needed to install, configure, manage, and upgrade three different Nutanix storage solution products:

- Nutanix Files - As part of this module, you will set up and manage Nutanix Files, a software-defined, scale-out file storage solution that provides a repository for unstructured data, such as home directories and departmental shares.
- Nutanix Volumes - You will learn how Nutanix Volumes provides file storage for your physical workloads, with the same simplicity as virtualized workloads, consolidating infrastructure into a single unified platform.
- Nutanix Objects - Nutanix Objects allows you to build a simple, secure, and scale-out stack. We show you how easy it is to spin up the Nutanix Objects service in a few simple steps.

Topics

- Installing and Configuring Nutanix Files
- Managing, Upgrading, and Monitoring Nutanix Files
- Analyzing and Optimizing Nutanix Files
- Installing and Configuring Nutanix Volumes
- Managing, Upgrading, and Monitoring Nutanix Volumes
- Analyzing and Optimizing Nutanix Volumes
- Deploying and Configuring Nutanix Objects
- Managing, Upgrading, and Monitoring Nutanix Objects
- Analyzing and Troubleshooting Nutanix Objects

Audience

- Customers and systems operators that want to learn how to manage file, block, and object storage using Nutanix Files, Nutanix Volumes, and Nutanix Objects.
- IT administrators and business leaders who manage Nutanix clusters in the datacenter and want a detailed deep dive into Nutanix storage administration.
- Anyone pursuing Nutanix Certified Professional – DataServices (NCP-DS) certification.

Prerequisites

- This course requires basic system administration knowledge, acquired through training or hands-on experience.
- You should be familiar with Nutanix storage concepts, be able to create a VM through the Nutanix web console (Prism), and know how to run commands from the command line interface (CLI).
- If you do not have these skills, we recommend taking the Nutanix Hybrid Cloud Fundamentals (NHCF) class first.

Duration

Two days

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Course Outline

- I. Installing and Configuring Nutanix Files*
 - A. Introduction to Nutanix Files
 - B. Architecting and Sizing Nutanix Files Environments
 - C. Installing Nutanix Files
 - D. The File Server Dashboard
 - E. Configuring Nutanix Files
- II. Managing, Upgrading, and Monitoring Nutanix Files*
 - A. Managing Nutanix Files
 - B. Using Files Analytics
 - C. Monitoring Performance and Usage
 - D. Upgrading Nutanix Files
- III. Analyzing and Optimizing Nutanix Files*
 - A. Understanding the Nutanix Files High Availability Process
 - B. Troubleshooting Nutanix Files Issues
- IV. Installing and Configuring Nutanix Volumes*
 - A. Understanding When to Use Nutanix Volumes
 - B. Architecting and Sizing Nutanix Volumes Environments
 - C. Deploying Nutanix Volumes
 - D. Configuring Nutanix Volumes
- V. Managing, Upgrading, and Monitoring Nutanix Volumes*
 - A. Failover and Failback Processes
 - B. Understanding Storage Management and Using the Storage Dashboard
 - C. Modifying a Volume Group
- VI. Analyzing and Optimizing Nutanix Volumes*
 - A. Firewall Settings
 - B. IQNs/Allowlists
 - C. iSCSI Timeout Sessions
 - D. Troubleshooting Capacity
 - E. Deploying and Configuring Nutanix Objects
 - F. Introduction to Nutanix Objects
 - G. Enabling Nutanix Objects
 - H. Architecting and Sizing Nutanix Objects
- VII. Deploying and Configuring Nutanix Objects*
 - A. Configuring Bucket Policies
- VIII. Managing, Upgrading, and Monitoring Nutanix Objects*
 - A. Managing Directories and API Keys
 - B. Managing the Object Store
 - C. Managing a Bucket
 - D. Upgrading Nutanix Objects Using LCM
 - E. Monitoring Nutanix Objects
 - F. Replication with Nutanix Objects
- IX. Analyzing and Troubleshooting Nutanix Objects*
 - A. Troubleshooting Issues with Cluster Deployment, Read/Write, Upgrades, Objects/MSP Cluster using CLI Commands
 - B. Log Collection for Nutanix Objects