

Nutanix Data Services Administration (NX-NDSA)

Course 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

Course Duration:

2 days

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.

Course Outline:

- Installing and Configuring Nutanix Files
 - Introduction to Nutanix Files
 - Architecting and Sizing Nutanix Files Environments
 - Installing Nutanix Files
 - The File Server Dashboard
 - Configuring Nutanix Files
- Managing, Upgrading, and Monitoring Nutanix Files
 - Managing Nutanix Files
 - Using Files Analytics
 - Monitoring Performance and Usage
 - Upgrading Nutanix Files
- Analyzing and Optimizing Nutanix Files
 - Understanding the Nutanix Files High Availability Process
 - Troubleshooting Nutanix Files Issues

- Installing and Configuring Nutanix Volumes
 - Understanding When to Use Nutanix Volumes
 - Architecting and Sizing Nutanix Volumes Environments
 - Deploying Nutanix Volumes
 - Configuring Nutanix Volumes
- Managing, Upgrading, and Monitoring Nutanix Volumes
 - Failover and Failback Processes
 - Understanding Storage Management and Using the Storage Dashboard
 - Modifying a Volume Group
- Analyzing and Optimizing Nutanix Volumes
 - Firewall Settings
 - IQNs/Allowlists
 - iSCSI Timeout Sessions
 - Troubleshooting Capacity
- Deploying and Configuring Nutanix Objects
 - Introduction to Nutanix Objects
 - Enabling Nutanix Objects
 - Architecting and Sizing Nutanix Objects
 - Deploying and Configuring Nutanix Objects
 - Configuring Bucket Policies
- Managing, Upgrading, and Monitoring Nutanix Objects
 - Managing Directories and API Keys
 - Managing the Object Store
 - Managing a Bucket
 - Upgrading Nutanix Objects Using LCM
 - Monitoring Nutanix Objects
 - Replication with Nutanix Objects
- Analyzing and Troubleshooting Nutanix Objects
 - Troubleshooting Issues with Cluster Deployment, Read/Write, Upgrades, Objects/MSP
- Cluster using CLI Commands
 - Log Collection for Nutanix Objects.

Who Should Attend

- 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 – Data Services (NCP-DS) certification.