

Nutanix Hybrid Cloud Fundamentals (NHCF)

ID NHCF Price on request Duration 2 days

Who should attend

Network and security operations center personnel who want to learn Nutanix fundamentals (Prism, AOS, AHV) virtualization and Cloud-related concepts.

Specific job roles that will benefit from the NHCF course:

- Network Operations Center (NOC) operators
- Security Operations Center (SOC) operators
- Data Center Operations (DCO) Technician
- IT project managers
- IT staff new to Nutanix

Anyone seeking the Nutanix Certified Associate (NCA) certification.

Course Content

Introduction

- Understand three-tier and hyperconverged infrastructure (HCI)
- Understand Nutanix Cloud Solution Packages
- Get started with Prism Central and Prism Element
- Understand Nutanix Pulse
- Understand when to use Prism Central and when to use Prism Element
- Cluster setup fundamentals
- Understand cluster-level security settings

Hands-on Labs

- Accessing and Exploring Prism Element and Prism Central
- Deciding when to use Prism Central versus Prism Element

Hardware and Storage Concepts

- Understand nodes, blocks, and clusters
- Understand types of physical storage
- Understand AOS Distributed Storage
- Understand key storage concepts such as storage pools, storage containers, redundancy factor, replication factor, capacity reservation, cluster resiliency, and snapshots
- Use different Prism Central dashboards to monitor cluster

hardware and storage

Hands-On Labs

- Exploring the hardware and storage containers dashboards
- Creating a storage container

Networking

- Understand AHV networking terminology and key concepts such as managed and unmanaged networks
- Use Prism Central to monitor cluster networks
- Use Prism Element to explore the Network Visualizer

Hands-On Labs

- Viewing network configuration in Prism Central
- Using the Network Visualizer

Image Management

- Understand the image service
- Use Prism Central to monitor, upload, import, and manage images

Hands-On Labs

- Exploring the images dashboard
- Uploading and importing an image to Prism Central
- Uploading an image using Prism Element

VM Management

- Use Prism Central to create and monitor VMs
- Perform basic VM management tasks such as updating, deleting, exporting, and cloning VMs; taking snapshots; and creating VM recovery points
- Understand categories and affinity policies

Hands-On Labs

- Exploring the VMs dashboard
- Creating VMs
- Creating a VM recovery point
- Cloning a VM
- Exporting a VM as an OVA file

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Backup and Disaster Recovery Fundamentals

- Understand data protection and data protection strategies
- Create snapshots and recovery points
- Use the Data Protection dashboard
- Create protection domains and remote sites
- Understand Nutanix Disaster Recovery terms and concepts

Hands-on Labs

- Creating protection domains and local VM restore
- Configuring remote sites
- Creating protection domains using remote sites
- Performing VM migration

Monitoring Cluster Performance and Health

- Use Prism Central to create sessions, charts, and reports
- Understand and explore alerts and events
- Configure alert emails
 - o Collect logs
 - o Use the Nutanix Support Portal to create a support case

Hands-On Labs

- Adding built-in charts to the Analysis Dashboard
- Creating a custom chart
- Creating a new report
- Viewing, downloading, and scheduling reports
- Monitoring cluster health
- Collecting logs

Understanding Licensing and Performing Upgrades

- Understand License Manager
- View license details in Prism and on the Nutanix Support & Insights Portal
- License a cluster
- Understand Life Cycle Manager (LCM) and the LCM workflow
- Use the LCM dashboard in Prism Central and Prism Element
- Use LCM to perform an inventory

Hands-On Labs

- Exploring the LCM dashboard
- Performing inventory at a Connected Site and at a Dark Site

Nutanix Hybrid Cloud Fundamentals (NHCF)

Training Centres worldwide



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