

# Nutanix Hybrid Cloud Fundamentals (NHCF)



## GET STARTED TODAY

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## AUDIENCE

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

## SOFTWARE VERSIONS

- AOS 6.5
- Prism Central 2022.06

## DESCRIPTION

If you are relatively new to Nutanix and want a feature-focused introduction to Prism Central and its various capabilities, this course is your starting point.

NHCF explores the breadth and depth of Nutanix's centralized management capabilities, and allows you to explore the wide variety of features available in Prism Central.

Focused on getting you working with and exploring the Nutanix platform as quickly as possible, the course discusses key Nutanix product and cluster-related concepts, and immediately moves into setting up a Nutanix cluster from both the perspective of Prism Central and Prism Element.

Using Prism Central, you will learn how to monitor cluster health and performance, create and manage VMs, and perform basic management tasks on hardware, storage, and networks.

Finally, you will briefly explore lifecycle manager, and how you can monitor installed software versions and keep them up to date with just a few clicks.

## COURSE OUTLINE

### 1: Introduction

- Understand three-tier and hyperconverged infrastructure (HCI)
- Understand Nutanix Cloud Solution Packages
- Get started with Prism Central and Prism Element
- Understand when to use Prism Central and when to use Prism Element

### Hands-on Labs

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

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## COURSE DETAILS

### Delivery Methods:

#### Instructor-Led

- 2 days, virtually through web conferencing
- Private classes available
- Includes hands-on labs
- Includes a free NCA exam voucher
- *Contact us for pricing and training options at [NutanixTraining@nutanix.com](mailto:NutanixTraining@nutanix.com)*

#### Self-Paced Online

- 6 hours
- Demonstrations and interactive simulations of labs
- Free

#### Facilitated Labs

- 1 day of hands-on labs time
- Can be used to supplement your learning with realistic scenarios
- Assumes you have completed either the online or instructor-led course first
- Includes a free NCA exam voucher
- *Contact us for pricing and training options at [NutanixTraining@nutanix.com](mailto:NutanixTraining@nutanix.com)*

### 2: Hardware and Storage Concepts

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

#### Hands-on Labs

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

### 3: 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

### 4: 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 the Prism Web Console

### 5: VM Management

- Use Prism Central to create, monitor, and perform basic management tasks on VMs

#### Hands-on Labs

- Exploring the VMs dashboard
- Creating and cloning VMs
- Updating the NIC
- Determining if Nutanix Guest Tools are enabled
- Adding a VM to a category
- Creating a snapshot
- Exporting a VM as an OVA file

## 6: Monitoring Cluster Performance and Health

- Use Prism Central to create sessions, charts, and reports
- Understand and explore alerts and events
- Collect logs
- 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

## 7: Life Cycle Manager (LCM)

- Understand 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

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## RELATED CERTIFICATION

### Nutanix Certified Associate (NCA)

NCA certification holders have demonstrated that they have the skills and abilities navigating a Nutanix cluster as well as managing and operating Nutanix core offerings. They ideally have 6-12 months of IT experience and can assist in operating and managing a Nutanix Enterprise Cloud.

*Please note: The course material is intended to cover 70-80% of the knowledge on the NCA exam, with the rest of your exam prep coming from independent study and/or experience.*

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## TERMS AND CONDITIONS

- Customer must purchase training seats in advance of scheduling course dates.
- Customer may not cancel purchased training seats and all amounts paid are non-refundable.
- Customer may reschedule courses with no less than 15 business days written notice to Nutanix. Rescheduling fees may apply.
- Customer may substitute a student with no less than 5 business days written notice to Nutanix. Rescheduling fees do not apply to substitutions.
- Training seats must be consumed within 12 months of purchase. Failure to utilize the training seats within the 12 months of purchase shall result in forfeiture of all fees paid for such seats. Extensions may be available on a case by case basis.
- Most of our Authorized Training Partners (ATPs) have a 10 business day cancellation and/or reschedule policy. If customer cancels or reschedules within those 10 business days, fees may apply up to the full price of the seat.
- Nutanix reserves the right to cancel any scheduled course due to minimum enrollment not being achieved, instructor illness, or other events outside of its control.
- Cancellation notices will be sent to enrolled students by email with rescheduling information and alternative training options.



T. 855.NUTANIX (855.688.2649) | F. 408.916.4039

[university@nutanix.com](mailto:university@nutanix.com) | [www.nutanix.com/education](http://www.nutanix.com/education) | [@nutanixedu](https://twitter.com/nutanixedu)