

## Nutanix Hybrid Cloud Fundamentals

Duration: 2 Days Course Code: NHCN Version: 6.5

### Overview:

The Nutanix Hybrid Cloud Fundamentals course introduces you to the products, capabilities, and technologies that serve as the foundation of Nutanix's Hybrid Cloud solution.

Begin by exploring the history of this technology space, including different types of clouds, and how on-prem and public infrastructures came together to create hybrid operating models.

Then, delve deeper into essential Nutanix products – AOS, AHV, and Prism – while discussing how these products were designed to solve business challenges.

And conclude by discussing certain fundamental aspects involved in operating the Nutanix Hybrid Cloud, such as cluster updates, managing virtual machines, reporting and performance metrics, and more.

### Target Audience:

Systems operators that want to learn fundamental AOS concepts and navigate Prism on AHV Jr IT administrators who manage Nutanix clusters and want a detailed introduction to Nutanix datacenter administration.

## Testing and Certification

Nutanix Certified Associate (NCA) Version 6.5

### Content:

#### 1: Introduction

- Describe course terminology, such as three-tier architecture, hyperconverged architecture, and public, private, and hybrid clouds.

#### 2: Understanding AOS Concepts

- Describe self-healing architecture
- Describe replication factor
- Describe Nutanix multicloud solutions

#### 3: Understanding Cluster Management Concepts

- Explain Prism Element features and benefits
- Explain Prism Central features and benefits
- Manage the Image Repository
- Upgrade the hypervisor and AOS on a cluster
- Describe Life Cycle Manager

#### 4: Understanding Storage Concepts

- Define a storage pool and storage container
- Identify components of AOS Distributed Storage
- Identify space-saving technologies

#### 5: Managing VMs

- Create and manage virtual machines (VMs)
- Describe Acropolis Dynamic Scheduler (ADS)
- Describe data locality

#### 6: Monitoring VMs and Cluster Health

- Use metrics to identify performance issues
- Measure VM performance using Nutanix tools:
  - Health dashboard
  - Analysis dashboard
  - Alerts dashboard
- Use the Support Portal and Insights

#### 7: Understanding Data Protection Concepts

- Describe how to enable data protection on a VM
- Define a retention policy
- Define Nutanix Mine
- Identify the different types of replication targets

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### Additional Information:

**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.

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### Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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