

Nutanix Hybrid Cloud Fundamentals (NHCF)



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AUDIENCE

- Customers and systems operators that want to learn fundamental AOS concepts and navigate Prism on AHV.
- Junior IT administrators and business leaders who manage Nutanix clusters in the datacenter and want a detailed introduction to Nutanix datacenter administration.

SOFTWARE VERSIONS

- AOS 5.15

DESCRIPTION

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.

COURSE OUTLINE

1: Introduction

- Describe course terminology, such as three-tier architecture, hyper-converged 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.

COURSE DETAILS

Delivery Methods:

Instructor-Led

- 2 Days, virtual or in-person
- Private classes available
- Includes hands-on labs
- Comes with a free NCA exam voucher
- List price: \$1,595

Self-Paced Online

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

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)
- Add a VM to a category
- 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

RELATED CERTIFICATION

Nutanix Certified Associate (NCA)

NCA certification holders have demonstrated that they have the skills and abilities navigating a Nutanix AOS 5.15 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.

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 6 months of purchase. Failure to utilize the training seats within the 6 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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