NUTANIX™

Enterprise Cloud Administration 5.5

Description

The *Nutanix Enterprise Cloud Administration 5.5* course is designed to train administrators (system, network, and storage) to successfully deploy Nutanix in the datacenter.

The course covers all of the tasks Nutanix administrators perform, including configuring and maintaining a Nutanix environment. It also introduces basic Nutanix troubleshooting tools, offers tips for solving common problems and provides guidelines for escalating problems to Nutanix support.

Features Covered

This course covers new and updated features including:
- Support for VMware® vCenter 6.5
- Support for mixing all-flash and hybrid SSD/HDD nodes within the same cluster
- Single-click, centralized upgrades of AOS on managed clusters and single-click registration of Prism Element
- Hot plugging of memory and CPU on virtual machines
- Support for Data Replication (Metro Availability and Synchronous Replication) across different hardware vendors
- Support for Citrix® XenServer® hypervisor

Audience

The primary audience for the course includes administrators, architects, and business leaders who manage Nutanix clusters in the datacenter and anyone who is seeking the Nutanix Certified Professional (NCP) certification.

The secondary audience includes managers and technical staff seeking information to drive purchase decisions.

Delivery Options

Instructor-Led
- 4 days
- Includes hands-on labs
- In-person or live online schedule via Authorized Training Partners
- Private classes available

Self-Paced Online
- 12 hours
- No labs included
- Access via your My Nutanix account
- **FREE for a limited time!**

For more details, contact training@nutanix.com or visit nutanix.com/education

Curriculum

Module 1: Introduction

The module introduces Distributed Storage Fabric (DSF), App Mobility Fabric (AMF) and the native Acropolis Hypervisor (AHV). Additionally, the module describes Prism and other Nutanix cluster components, including Acropolis.

Module 2: Managing the Nutanix Cluster

In this module, participants learn how to configure a Nutanix cluster, including setting up a name server and adding network connections.

The module also shows how to use Prism Element to manage clusters and set up file system whitelists.

Module 3: Securing the Nutanix Cluster

This module shows how to secure a Nutanix cluster through user authentication, SSL certificate installation and cluster access control.

Module 4: Networking

In Module 4, participants learn how to manage networks using Open vSwitch (OVS). The module also describes how to configure bridges, bonds, and VLANs.

Module 5: VM Management

This module shows how to create and manage virtual machines. Participants learn how to create a guest VM and how to import a new image they can apply to the VM.

Module 6: Health Monitoring and Alerts

This module demonstrates how to use the Health Dashboard to monitor cluster health and performance in addition to configuring health checks for various components. The module also provides instructions for monitoring cluster performance and the handling and customization of system alerts and events

Module 7: Distributed Storage Fabric

Module 7 provides an overview of the various Nutanix storage components, including Storage Tiers, Pools, Containers, Volume Groups, vDisks, and Datastores/SMB Shares.

Module 8: AHV Workload Migration

This module shows how to migrate workloads in AHV.

Module 9: Services

Module 9 demonstrates how Acropolis Block Services (ABS) provide high-availability, high-performance block storage through simple client configuration.

Module 10: Business Continuity

This module shows how Nutanix provides comprehensive data protection at all levels of the virtual datacenter: VM, file, and volume group.

Module 11: Data Protection

In this module, participants learn how to use the Prism Web Console to create a remote site and a Protection Domain.

Module 12: Prism Central

The module describes the multiple capabilities of Prism Central, including monitoring and managing multiple activities across a set of clusters.

Module 13: Maintaining the Nutanix Cluster

This module introduces Nutanix Cluster Check (NCC), a framework of scripts that helps diagnose cluster health.

Module 14: Life Cycle Operations

The final module provides an overview of essential life-cycle operations, including starting/stopping a Nutanix cluster, starting/shutting down a cluster node and searching/updating inventory.

Participants will also learn how to expand a cluster, manage licenses and upgrade software and firmware.

Terms and Conditions

- Customer may 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 days written notice to Nutanix. Rescheduling fees may apply.
- Customer may substitute a student with no less than 5 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.
- 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.