

Enterprise Cloud Administration 5.10



Delivery Options

Instructor-Led Classroom

- 4 days
- Includes hands-on labs
- Public schedule from Authorized Training Partners (ATPs)
- Private classes available
- Includes a **FREE** NCP exam voucher

Online Plus

- 20 hours of self-paced online learning **PLUS** 1 day of hands-on labs
- Includes a **FREE** NCP exam voucher

Self-Paced Online

- 20 hours
- Demonstrations and interactive simulations of labs
- **FREE!**

See page 3 for more information to help you decide which delivery option is right for you.

Description

The *Nutanix Enterprise Cloud Administration 5.10* course enables administrators (system, network, and storage) to **successfully configure and manage Nutanix** in the datacenter.

The course covers many of the tasks Nutanix administrators perform through the use of graphical user interfaces (GUIs) and command line interfaces (CLIs). It also provides insight into the fail-over and self-healing capabilities, offers tips for solving common problems and provides guidelines for collecting information when interacting with Nutanix support.

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.

Get Started Today

For class schedules, online learning access, and more information visit nutanix.com/university

Curriculum

1: Introduction

The section describes the Nutanix HCI solution, walks you through the components of the Nutanix Enterprise Cloud, and explains the relationship between physical and logical cluster components.

2: Managing the Nutanix Cluster

In this section you will use the Prism console to monitor a cluster, configure a cluster using various interfaces, use the REST API Explorer to manage the cluster, and learn how to deploy Nutanix-specific PowerShell cmdlets.

3: Securing the Nutanix Cluster

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

4: Networking

This section explains how to configure managed and unmanaged Acropolis networks, describe the use of Open vSwitch (OVS) in Acropolis. You will learn how to display and manage network details, differentiate between supported OVS bond modes, and gain insight into default network configuration.

5: VM Management

This section shows you how to upload images, and how to create and manage virtual machines.

6: Health Monitoring and Alerts

In this section you will use the Health Dashboard to monitor a cluster's health and performance. Plus, the Analyze dashboard is used to create charts you can export with detailed information on a variety of components and metrics.

7: Distributed Storage Fabric

This section discusses creating and configuring storage containers, including the storage optimization features: deduplication, compression, and erasure coding.

8: AHV Workload Migration

Using Nutanix Move, this section shows how to migrate workloads to a cluster running Acropolis hypervisor followed by a lab where a VM running on a Nutanix cluster configured with ESXi is migrated to a Nutanix cluster running AHV.

9: Acropolis Services

This section gives you detailed information on Nutanix Volumes which provides high-availability, high-performance block storage through a few easy configuration steps. It also overviews Nutanix Files.

10: Data Resiliency

This section shows how Nutanix provides comprehensive data protection at all levels of the virtual datacenter: logical and physical.

11: Data Protection

Data can be replicated between Nutanix clusters, synchronously and asynchronously. This section shows how to configure a Protection Domain (PD) and Remote Sites, as well as recover a VM from a PD and perform a planned fail-over of a PD.

12: Prism Central

Having discussed and used Prism Element earlier, this section looks at the capabilities of Prism Central. With the added functionality provided by a Pro license, the focus is on features related to monitoring and managing multiple activities across a set of clusters.

13: Monitoring the Nutanix Cluster

This section shows you where to locate, and how to interpret cluster related log files. In addition, you will take a closer look at the Nutanix Support Portal and online help.

14: Cluster Management and Expansion

This section overviews essential life-cycle operations, including starting/stopping a Nutanix cluster, as well as starting/shutting down a cluster's node. You will also learn how to expand a cluster, manage licenses, and upgrade the cluster's software and firmware.

15: Remote Office Branch Office (ROBO) Deployments

In this section, you will be presented with the various configurations and requirements specific to a ROBO site, including hardware/software, witness VM requirements, failure and the recovery scenarios for two-node clusters, and the seeding process.

Delivery Options

Use this information to decide which course format is right for you. Contact university@nutanix.com if you have any questions.

Feature	Instructor-Led, Classroom	Online Plus	Self-Paced Online
Official Nutanix Content written by Technology Experts	X	X	X
Prepares you for NCP Certification exam	X	X	X ₃
Includes FREE NCP exam voucher	X	X	
Delivered by a Live, Expert Instructor	X		
Provides Hands-on Labs	X	X ₄	
Ability to ask questions of the instructor	X	X ₄	
No travel required ⁵		X	X
Complete on your own schedule, at your own pace		X ₂	X
Private classes available	X		
Ability to communicate with and learn from fellow students	X		
Time Commitment	4, 8-hour days	20 hours on your schedule + 1, 7hr day of labs	20 hours, on your schedule
Price	\$3500 ¹	\$800 ¹	Free!
Payment Options	PO, Credit Card, Flex Credits	PO, Credit Card, Flex Credits	Free!

Notes:

1. Price shown is list price, ATPs may offer other pricing or discounts
2. You will select a date for the lab portion, but the online portion can be done on your schedule
3. Additional hands on time with the technology is recommended, unless you are an experienced user
4. During the 7-hour instructor-monitored lab day
5. Private instructor-led training can be delivered at your location; however, you may have to travel to a public class if one is not available in your area.

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.
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