



**Enterprise Computing Solutions - Education Services**

## **OFERTA FORMATIVA**

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# Nutanix Enterprise Cloud Administration (ECA) 6.10

CÓDIGO:	DURACIÓN:	Precio:
NUT_ECA_6-10	32 Hours (4 días)	A consultar

## Description

If you already have experience administering a Nutanix environment, this course will extend, deepen and broaden your knowledge as you grow in your career as a Nutanix administrator.

In Nutanix Enterprise Cloud Administration (ECA), you'll focus on Prism Central.

This course provides a comprehensive look at Nutanix centralized management capabilities and allows you to explore the wide variety of features that are available in this web console.

## Objetivos

ECA covers four key areas:

**Core Nutanix Concepts:** Gain a deep understanding of hyperconverged infrastructure (HCI) and the various Nutanix cloud solution packages. Learn the basics of cluster configuration and the components for creating and managing VMs – namely, networks and images.

**VM Management:** Explore how to create and manage VMs, work with projects, protect VMs and their data, apply storage optimization features at the VM level, and migrate your workloads to a Nutanix environment.

**Monitoring and Troubleshooting:** Learn about alerts, events, log collection, reporting, and how to use various features in Prism Central to identify, analyze and remediate performance issues.

**Maintenance and Upgrades:** Learn how to set up a cluster for maintenance activities – such as starting and stopping nodes and clusters – and how to upgrade installed software and firmware with just a few clicks.

## Público

Administrators, engineers and others who manage Nutanix clusters in the datacenter

Managers and technical staff seeking information to drive purchase decisions

Anyone seeking the Nutanix Certified Professional-Multicloud Infrastructure (NCP-MCI) certification

## Requisitos Previos

1-2 years of holistic IT infrastructure experience

## Programa

1: Getting Started with a Nutanix cluster

Understand three-tier and HCI

Understand the Nutanix product portfolio

Understand nodes, blocks, clusters, and cluster services

Get started with Prism Central and Prism Element

Understand when to use Prism Central and Prism Element

Hands-on-Labs

Connecting to and exploring Prism Element

Adding data services IP, an NTP server, and a name server in Prism Element

Connecting to, exploring and configuring Prism Central

2: Configuring Cluster Networking

Understand AHV networking terminology

Use Prism Central to monitor cluster networks

Use Prism Element to explore the Network Visualizer

Create and update subnets and virtual switches  
Understand subnet extension and network segmentation  
Hands-on Labs

Creating unmanaged and managed networks  
Exploring the AHV network configuration  
Viewing virtual switches from Prism Element  
3: Managing Images

Understand the image service  
Use Prism Central to monitor, upload, import, and manage images  
Hands-on Labs

Uploading and importing images to Prism Central  
Configuring an image placement policy  
4: Creating VMs

Use Prism Central to create VMs  
Use Prism Central self-service capabilities to create VM templates  
Use Projects in Prism Central  
Install and enable Nutanix Guest Tools  
Hands-on Labs

Creating Windows and Linux VMs  
Installing Windows and Linux operating systems  
Installing Nutanix Guest Tools on Windows and Linux  
Creating a project  
Exploring the Self-Service dashboard in Prism Central  
5: Managing VMs

Update, clone, customize, export, and apply placement rules to VMs  
Create and apply storage policies to VMs  
Create playbooks to automate common VM administrative tasks  
Hands-on Labs

Updating a VM  
Assigning categories to a VM  
Creating a snapshot and restoring a VM  
Creating a template and a clone  
Exporting a VM as an Open Virtual Appliance (OVA) file  
Creating and running a playbook  
6: Configuring and Managing Cluster Storage

Understand AOS storage  
Understand key storage concepts such as storage pools, storage containers, redundancy factor, replication factor, capacity reservation, and snapshots  
Understand fault tolerance and failure handling mechanisms  
Create and update storage containers  
Create and update volume groups  
Use various capacity optimization features  
Hands-on Labs

Exploring the Storage dashboard  
Creating containers with and without compression  
Comparing data in a compressed vs uncompressed container  
Configuring volume groups  
Migrating vdisks between storage containers  
7: Data Protection and Disaster Recovery

Understand data protection terms and concepts  
Understand synchronous and asynchronous replication capabilities  
Create snapshots and recovery points  
Use Prism Element to configure local and remote backup and disaster recovery  
Use Nutanix disaster recovery to create protection policies and recovery plans  
Backup and restore Prism Central  
Hands-on Labs

Backing up and restoring Prism Central  
Configuring Self-Service Restore

Creating protection domains and local VM restore  
Creating containers for replication  
Configuring remote sites and creating protection domains  
Performing VM migration and migrating back to primary  
8: Securing a Nutanix Cluster

Understand the Nutanix approach to security  
Use the Security dashboard in Prism Central  
Use Prism Central to configure authentication, users and RBAC  
Implement hardening features for AHV and the CVM  
Understand policies in Flow Network Security  
Understand data-at-rest encryption  
Hands-on-Labs

Exploring the Security dashboard  
Adding a local user  
Adding Active Directory authentication  
Configuring Role Mapping  
Verifying a new user account  
Cluster lockdown  
9: Migrating Workloads with Nutanix Move

Understand, install and upgrade Nutanix Move  
Use Move to migrate VMs  
Download Move logs  
Hands-on Labs

Preparing a VM for migration  
Deploying a Move VM  
Configuring Move and a migration plan  
10: Monitoring Cluster Performance

Understand performance monitoring features in Prism Central  
Create sessions, charts and reports  
View and manage project resource utilization  
Create custom dashboards in Prism Central  
Resource planning and capacity runway  
Hands-on Labs

Creating a Prism Central performance monitoring dashboard  
Creating charts to analyze metrics using Prism Central  
Creating and managing reports  
11: Monitoring Cluster Health

Understand health monitoring features in Prism Central and Prism Element  
Get summarized and detailed health information from Prism  
Use Nutanix Cluster Check  
Collect and forward logs  
Hands-on Labs

Using Nutanix Cluster Check health checks  
Collecting logs for Support  
Verifying cluster health  
12: Maintaining and Upgrading a Cluster

Perform a health check  
Use node-maintenance mode  
Understand hardware upgrade and replacement tasks  
Start and stop nodes and clusters  
Add and remove nodes  
Understand and explore Life Cycle Manager (LCM)  
Use LCM to perform inventory and upgrades  
Hands-on Labs

Using node maintenance mode  
Performing upgrades with LCM (with and without internet access)  
13: Investigating and Remediating Performance Issues

Understand alerts and events and the associated dashboards in Prism Central

Troubleshoot issues with protection policies, LCM, security, and performance  
Identify problematic or inefficient VMs  
Explore potential methods of remediating problematic VMs  
Hands-on Labs

Working with Alerts  
Exploring Events

Examen y certificación

Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI)  
NCP-MCI certification holders have demonstrated the skills and knowledge to manage Nutanix AOS nodes, blocks, and clusters in the datacenter. Earning it validates your ability to deploy, administer, and troubleshoot Nutanix AOS, proving your mastery of key concepts from VM management to lifecycle operations.  
Please note: The course material is intended to cover 70-80% of the knowledge on the exam, with the rest of your exam prep coming from independent study and/or experience.

Fechas Programadas

Fecha	Localización	Zona horaria	Idioma	Modalidad de impartición	Impartición garantizada	Precio
12 Jan 2026	Virtual Classroom	EET	Spanish	Classroom		A consultar
09 Mar 2026	Virtual Classroom	EET	Spanish	Classroom		A consultar
04 May 2026	Virtual Classroom	EEST	Spanish	Classroom		A consultar

Información Adicional

[Esta formación también está disponible en modalidad presencial. Por favor contáctenos para más información.](#)