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# Nutanix Advanced Administration & Performance Management training

4 days (28 hours)

## Presentation

The Nutanix Advanced Administration & Performance Management (AAPM) training course provides comprehensive coverage of advanced administration and performance management of Nutanix clusters.

You'll learn how to monitor and tune clusters for better system performance, and optimize datacenter administration.

Our training course explains in detail how to use Acropolis services such as Volumes, Files and Objects. It also explains how to define, manage and secure workloads and applications using Calm and Flow, including Life Cycle Management (LCM) application automation, and how to implement and configure the Self Service Portal and governance.

During this Nutanix advanced administration training course, you'll develop data protection solutions such as Metro Availability with Witness. You'll also discover advanced concepts using the new Prism Central features.

## Objectives

- Be able to monitor datacenter performance and manage components to optimize system performance
- Implement advanced solutions for business continuity and data protection. data in Nutanix data centers
- Designing high-performance networks to support Nutanix clusters
- Customize Nutanix security features
- Deploy all Nutanix storage solutions such as Files, Volumes and Objects

- Use Prism Central to
  - Identify and correct cluster health problems
  - Leverage machine learning for entity management and resource optimization
  - Planning for future growth
  - Managing assets and applications with Calm, Life Cycle Management (LCM)
- Practice advanced datacenter management procedures using hands-on labs
- Get the most out of Nutanix systems by optimizing configuration and operation for maximum efficiency
- Validate your new skills by preparing for and obtaining Nutanix Certified certification. Master - Multicloud Infrastructure (NCM-MCI)

## Target audience

- Directors
- Architects
- Nutanix professionals wishing to deepen their knowledge of Nutanix datacenter administration
- People wishing to take the Nutanix Certified Advanced Professional exam

## Prerequisites

- Have completed our [Nutanix Enterprise Cloud Administration](#) training course
- Basic technical knowledge of Nutanix cluster administration
- Master traditional storage and storage virtualization architectures
- Comfortable with Linux command-line interface

## Nutanix AAPM training program

### Introduction

- Introduction to the Nutanix platform
- Nutanix cluster configuration
- Virtual machine management
- Data protection
- Lifecycle operations

### Datacenter performance

- Performance management and optimization
- Datacenter performance monitoring
- Maintain components to optimize system performance
- Advanced service continuity solutions
- Advanced data protection solutions

### Prism Central and Prism Pro

- Manage Prism Central and Prism Pro
- Cluster health problem solved
- Managing and improving performance with Machine Learning
- Calm and Life Cycle Management (LCM)
- Applications and components
- Used in Calm and Life Cycle Management (LCM)

## Solution deployment

- Manage advanced virtual machine deployments
- Files
- Volumes
- Objects

## Security services

- Activating and customizing security services
- Acropolis file and block services management
- Implementing business continuity and disaster recovery
- Advanced networking configuration
- Using advanced management interfaces

## Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.