



*Training Course:
Nutanix Administration and Management*

*19 - 23 August 2024
Geneva (Switzerland)*

Training Course: Nutanix Administration and Management

Training Course code: IT235226 From: 19 - 23 August 2024 Venue: Geneva (Switzerland) - Training Course Fees: 5775 € Euro

Introduction

Welcome to the Nutanix Administration Training Program! This 5-day program is designed to equip IT professionals, system administrators, and anyone interested in managing Nutanix infrastructure with the knowledge and skills necessary to effectively deploy, configure, and maintain Nutanix-powered environments.

Nutanix is a leading provider of hyper-converged infrastructure and cloud management solutions, and understanding how to administer and manage Nutanix clusters is essential in the modern data center. This training program will take you through the fundamentals of Nutanix technology, installation, data management, virtualization integration, and performance optimization.

Objectives

By the end of this training program, participants will:

- Gain a solid understanding of hyper-converged infrastructure HCI and its importance in modern IT environments.
- Explore the history and product portfolio of Nutanix, learning how Nutanix has revolutionized data center management.
- Learn the architecture and components of Nutanix clusters and understand how to navigate and manage them using Nutanix Prism Central.
- Master the installation and configuration of Nutanix clusters, ensuring best practices are followed.
- Explore data management within Nutanix, including storage, data protection, and disaster recovery.
- Understand Nutanix's integration with various virtualization platforms such as VMware, Hyper-V, and AHV, and learn how to create and manage virtual machines.
- Discover Nutanix Calm and Era for application and database lifecycle management.
- Learn performance optimization techniques and how to effectively monitor and troubleshoot Nutanix clusters.

Target Audience

This training program is suitable for:

- IT Professionals: Systems administrators, network administrators, and IT managers who want to enhance their knowledge and skills in managing Nutanix infrastructure.
- Data Center Personnel: Data center managers, engineers, and technicians responsible for the deployment and maintenance of Nutanix-powered data centers.
- Virtualization Administrators: Professionals working with virtualization platforms like VMware, Hyper-V, and AHV who want to integrate and manage Nutanix clusters.

- Cloud Administrators: Individuals involved in cloud management and interested in deploying Nutanix in cloud environments.
- Technology Enthusiasts: Anyone interested in gaining a comprehensive understanding of Nutanix technology and hyper-converged infrastructure.

Training Program Outline

Day 1: Introduction to Nutanix

- Overview of Hyper-converged Infrastructure HCI
- Introduction to Nutanix - History and Overview
- Nutanix Product Portfolio
- Nutanix Architecture and Components
- Nutanix Prism Central - Introduction and Navigation

Day 2: Nutanix Installation and Configuration

- Nutanix Hardware and Software Requirements
- Cluster Deployment Best Practices
- Initial Configuration of a Nutanix Cluster
- Networking Setup and Best Practices

Day 3: Nutanix Data Management

- Nutanix Storage Architecture
- Datastores and Storage Pools
- Data Protection and Disaster Recovery
- Data Compression and Deduplication

Day 4: Nutanix Virtualization Integration

- Nutanix and Virtualization VMware, Hyper-V, and AHV
- VM Creation and Management
- Nutanix Calm - Application and VM Lifecycle Management
- Nutanix Era - Database Management

Day 5: Nutanix Performance Optimization and Troubleshooting

- Nutanix Monitoring and Alerting
- Performance Metrics and Analysis
- Best Practices for Performance Optimization
- Troubleshooting Strategies
- Case Studies and Real-world Scenarios
- Course Recap and Q&A

Registration form on the Training Course: Nutanix Administration and Management

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