QUICKSTART
Over 35 Years Of Technology Training

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Learning Style: Virtual Classroom

Technology: Citrix

Difficulty: Intermediate

Course Duration: 4 Days

Nutanix Enterprise Cloud Administration (v6.5)

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Course Outline:

Module 1: Getting Started with a Nutanix Cluster

Understand three-tier and hyperconverged infrastructure

Understand Nutanix Cloud Solution Packages
Understand nodes, blocks, clusters, and cluster services
Get Started with Prism Central and Prism Element
Understand when to use Prism Central and when to use Prism Element

Module 2: Securing a Nutanix Cluster

Understand Nutanix's approach to security
Use Prism Central to configure authentication, users, and RBAC
Understand Policies in Flow Network Security
Use Prism Element to configure Data-at-Rest Encryption

Module 3. 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

Module 4: Managing Images

Understand the image service
Use Prism Central to monitor, upload, import, and manage images

Module 5: Creating Virtual Machines

Use Prism Central to create VMs
Use Prism Central's self-service capabilities to create VM templates
Install and enable Nutanix Guest Tools

Module 6: Managing Virtual Machines

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

Module 7. Protecting VMs and Their Data

Understand data protection terms and concepts
Understand synchronous and asynchronous replication capabilities
Use Prism Element to configure local and remote backup and DR
Use Prism Central to create protection policies with Leap

Module 8: Configuring and Managing Cluster Storage

Understand AOS Distributed 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
Use various capacity optimization features

Module 9: Migrating Workloads with Nutanix Move

Understand, install, and upgrade Nutanix Move
Use Move to migrate VMs
Download Move logs

Module 10: Monitoring Cluster Performance

Understand performance monitoring features in Prism Central
Create sessions, charts, and reports
Create custom dashboards in Prism Central

Module 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 logs

Module 12: Investigating and Remediating Performance Issues

Understand alerts and events and the associated dashboards in Prism
Central
Identify problematic or inefficient VMs
Potential methods of remediating problematic VMs

Module 13: Performing Cluster Maintenance

Performing health checks
Using maintenance mode
Starting and stopping nodes and clusters
Adding nodes to or removing nodes from clusters

Module 14: Upgrading Licenses, Software, and Firmware

Understanding LCM and the LCM workflow
Performing an upgrade using LCM
Licensing a cluster and managing licenses