TechyEdz Solutions

Training | Consulting | Developement | Outsourcing

Nutanix Enterprise Cloud Administration

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Nutanix Enterprise Cloud Administration (ECA) 5.15

♣ About the course:

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 a Nutanix cluster's failover and self-healing capabilities, offers tips for solving common problems, and provides guidelines for collecting information when interacting with Nutanix Support.

♣ Course Outline:

1. **Introduction to HCI (Hyper Converged Infrastructure)**

   ➢ Nutanix Concepts

   ➢ Storage Concepts

   ➢ Nutanix Components

2. **Managing Nutanix Cluster**

   ➢ Prism Overview

   ➢ Prism Features

   ➢ Demo Available

3. **Securing Nutanix Cluster**

   ➢ Security Overview

4. **Networking**

   ➢ Network Elements

   ➢ AHV Host Networking

   ➢ Network Segmentation

5. **Virtual Machine Management**

   ➢ Image Configuration

   ➢ Nutanix Guest Tools (NGT)

   ➢ Creating and Managing Virtual Machines

   ➢ Customizing a VM

   ➢ Guest VM data Management

➢ Demo Available

6. Health Monitoring and Alerts

➢ Configuration of Alerts

➢ Monitoring Cluster Health

➢ Demo Available

7. Distributed Storage Fabric

➢ Data Storage Representation

➢ Capacity Optimization – Compression, De-duplication, Erasure Coding

➢ Demo Available

8. Migration of Workload to AHV

9. Acropolis Services

➢ Nutanix Files and Volumes

10. Data Resiliency

➢ Failure Scenarios

➢ Redundancy and Replication Factor

➢ VM High Availability

➢ Affinity and Anti-affinity policies for AHV

➢ Demo Available

11. Data Protection

➢ RPO and RTO Consideration

➢ Time Stream

➢ Protection Domains

12. Prism Central

➢ Deploying new instance of Prism Central

➢ Registering and Unregistering a cluster from PC

13. Monitoring Nutanix Cluster

14. Cluster Management and Expansion

➢ Starting and stopping a cluster or a node

- ➢ Removing a node
- ➢ Expanding a cluster
- ➢ Managing Licenses
- ➢ Upgrading Software and Firmware
- ➢ Demo Available

✚ Prerequisites:
- ➢ Basic Concepts of Data Centre Virtualization
- ➢ Knowledge of managing physical server and storage systems
- ➢ Normal understanding of Cisco routing and switching

✚ Who Should Attend:

- ➢ Administrators, architects, and business leaders who manage Nutanix clusters in the datacenter

✚ Number of hours: 50hrs

✚ CERTIFICATIONS:

1. Nutanix Certified Professional (NCP)
2. Nutanix Certified Advanced Professional (NCAP)
3. Nutanix Platform Expert (NPX)

✚ Key Features:
- ➢ One to One Training
- ➢ Online Training
- ➢ Fastrack & Normal Track
- ➢ Resume Modification
- ➢ Mock Interviews
- ➢ Video Tutorials
- ➢ Materials
- ➢ Real Time Projects
- ➢ Virtual Live Experience
- ➢ Preparing for Certification