Nutanix Cloud Clusters On Azure Administration (NC2A-Azure)

Summary:

Formats: Instructor-Led Training with Hands-on-labs

Length: 2 Days

Overview:

In the Nutanix Cloud Clusters (NC2) on Azure Administration course for, you will explore how you can unify your private and public clouds for a true, hybrid cloud experience.

In this course, you will explore a number of subjects including:

- An introduction to NC2 and the NC2 console
- You will learn key technology concepts
- How to work with various entities such as customers, organizations, clusters, and users
- You will explore the cluster deployment process and review the configuration of different Microsoft Azure components that must be configured for NC2, such as:
  - Resource Providers
  - App Registration
  - Resource Groups
  - VNets
  - Subnets
- Note that setting up and configuring Azure resources is beyond the scope of this course
- You will review and understand key Azure cloud resources that are required for the deployment of NC2
- After you have successfully deployed a cluster, you will learn to:
  - Manage a cloud cluster, including creating virtual machines (VMs) and networks
  - Configuring backup and recovery
- One key benefit of NC2 is that your cloud cluster looks and feels like an on-prem AHV cluster, so you can expect to quickly ease into administering NC2.
- Finally, you will explore several monitoring and maintenance concepts and features, including alerts and events, investigating issues, performing upgrades, and engaging with Nutanix support.

Audience

- IT administrators and similar job roles who want to learn how to deploy, configure, and manage Nutanix Cloud Clusters within a public cloud environment.

- Anyone preparing for the Nutanix Certified Professional - Cloud Integration - Azure (NCP-CI-Azure) 6.7 certification exam.

Software Versions

- AOS 6.6
- Prism Central 2023.1

Course Outline

1: Getting Started with Nutanix Cloud Clusters

- Introduction to Nutanix Cloud Clusters
- Creating My Nutanix and NC2 Accounts
- Logging into NC2 for the First Time
- Creating Organizations and Users
- Managing Support Authorization
- Hands-on Labs
    - Accessing and Exploring the NC2 Console
    - Creating and Managing an Organization
    - Adding Users from the NC2 Console
    - Managing Support Authorization

2: Deploying and Configuring NC2 on Azure

- Planning Your NC2 on Azure Implementation
- Deploying NC2 on Azure
- Reviewing the Configuration of Azure for NC2
- Configuring the NC2 Console for Azure
- Creating a Cluster
- Establishing Connectivity Between Your On-Prem Datacenter and NC2
- Hands-on Labs
    - Configuring Prism Element On-Prem
    - Configuring Prism Central On-Prem
    - Reviewing the Configuration of Azure (Account Roles, App Registration, Allowlisting, Resource Providers, Gateways, Subnets, VNets, and VPNs)
    - Creating a Cluster
    - Performing the Initial Configuration of the Cloud Cluster

3: Managing NC2 Clusters

- Performing Cluster Management and Maintenance Tasks
- Creating and Configuring User Virtual Machine (VM) Networks
- Creating and Managing User VMs
- Configuring Backup and Recovery
- Hands-on Labs
    - Creating VMs on the Cloud Cluster
    - Using Nutanix Disaster Recovery to Migrate VMs

4: Monitoring, Maintaining, and Investigating Issues with NC2 Clusters

- Monitoring Cluster Health
- Investigating Cluster Deployment Issues
- Investigating Connectivity Issues
- Working with Support
- Performing Upgrades
- Hands-on Labs
  - Monitoring Cluster Health
  - Collecting a Log Bundle
  - Viewing Azure Events in the NC2 Console
  - Performing Software Updates

Related Certification

Nutanix Certified Professional - Cloud Integration - Azure (NCP-CI-Azure) 6.7

The Nutanix Certified Professional - Cloud Integration - Azure (NCP-CI-Azure) 6.7 exam will measure a candidate's ability to successfully plan, deploy, configure, and manage Nutanix Cloud Clusters within an Azure public cloud environment.