

# Nutanix Hybrid Cloud Fundamentals (NHCF)

## Course Outline

### 1. Introduction

- Describe course terminology, such as three-tier architecture, hyperconverged architecture, and public, private, and hybrid clouds.

### 2. Understanding AOS Concepts

- Describe self-healing architecture
- Describe replication factor
- Describe Nutanix multicloud solutions

### 3. Understanding Cluster Management Concepts

- Explain Prism Element features and benefits
- Explain Prism Central features and benefits
- Manage the Image Repository
- Upgrade the hypervisor and AOS on a cluster
- Describe Life Cycle Manager.

### 4. Understanding Storage Concepts

- Define a storage pool and storage container
- Identify components of AOS Distributed Storage
- Identify space-saving technologies

### 5. Managing VMs

- Create and manage virtual machines (VMs)
- Add a VM to a category
- Describe Acropolis Dynamic Scheduler (ADS)
- Describe data locality

### 6. Monitoring VMs and Cluster Health

- Use metrics to identify performance issues
- Measure VM performance using Nutanix tools:
  - Health dashboard

- Analysis dashboard
  - Alerts dashboard
- Use the Support Portal and Insights

## **7. Understanding Data Protection Concepts**

- Describe how to enable data protection on a VM
- Define a retention policy
- Define Nutanix Mine
- Identify the different types of replication targets