



## Training Workshop Outline

<b>Title</b>	Cloud Computing - Nutanix
<b>Duration</b>	40 hours
<b>Tuition Fees</b>	USD 2,000

## Nutanix Platform Professional (NPP 4.0)

### Training Overview:

This course provides the foundation necessary to configure, manage and gain maximum value from the Nutanix Xtreme Computing Platform. Students will learn how to configure network resources, provision storage, and monitor the usage of Nutanix cluster resources from Nutanix Prism management interfaces. This course provides instruction on cluster installation and expansion, site-to-site replication, and capacity and performance analytics. This course prepares students for the Nutanix Platform Professional (NPP) certification exam.

### Target Audience:

Systems Administrators, Engineers, Tech Support, Infra & Ops  
Professional, Storage Admins, Network Admins



## Training Prerequisites:

Knowledge of Virtualization concepts, virtual machine configuration or any other Hypervisors. Familiarity with traditional virtualization storage architectures  
Comfort with Unix/Linux command line interface.

## Benefits:

- Maximize value of investment through optimal configuration and operation of the Nutanix cluster
- Ensure business continuity by implementing an integrated data protection strategy
- Gain hands on experience with new features in a safe lab environment
- Validate skills by preparing for and completing the Nutanix Platform Professional (NPP) certification

Training duration: 20 hours

## Training Agenda

### Day 1

#### **Module 1: About Nutanix Virtual Computing Platform**

This module describes the components of the Nutanix cluster and demonstrates how they work together to provide enterprise class shared storage. Students will also learn how the logical storage entities within a Nutanix cluster are presented within a hypervisor client.

#### **Module 2: Cluster Management**

This module describes the Nutanix cluster management interfaces and provides guidance on when and how to use each interface.



### **Module 3: Configuring the Cluster**

This module describes the process of configuring a new cluster at a customer site. This includes imaging nodes with a desired hypervisor, assigning IP addresses to all nodes, creating a cluster of those nodes, installing a new license on a cluster, and configuring clusterwide settings.

### **Module 4: Hypervisor Integration**

This module describes the process of adding the Nutanix cluster to your hypervisor of choice. Storage and plugins will be covered, as well as the process of migrating existing VMs to the Nutanix cluster.

### **Module 5: Concluding the Installation**

This module describes the tasks that must be completed before leaving the customer site. This includes demonstrating that the cluster is running as expected, enabling the customer to access postsale resources, and handing off the cluster to Nutanix Support.

## **Day 2**

### **Module 6: Integrated Data Protection**

This module describes the Integrated Data Protection capabilities of the Nutanix cluster. Students will learn how to schedule local snapshots of VMs within the cluster and replicate those snapshots in a remote site. Disaster recovery scenarios, such as failover and failback are also discussed.

### **Module 7: Cluster Architecture**

This module describes the components of the Nutanix architecture and demonstrates how they work together to provide enterprise class shared storage. Students will also learn how resiliency is built into this architecture.

### **Module 8: Cluster Maintenance**

This module describes strategies and resources that can be used while maintaining the Nutanix cluster and responding to any issues that come up.

### **Module 9: Monitoring and Troubleshooting**

This module describes maintenance tasks



Day 3

**Open session, project discussion**