
Implementing the Citrix Desktop Infrastructure

Duration: 5 Days **Course Code: CMB-200-2I**

Overview:

This course provides learners with the skills necessary to install, configure, manage and administer Citrix XenServer 5, Citrix Provisioning Server 5 and Citrix XenDesktop 3 and 4 Enterprise Edition. By completing the exercises in this course, students will obtain hands-on experience working with these Citrix products.

Target Audience:

This course is designed for Citrix Partner Network members, IT professionals, such as server, network and system administrators. System engineers, analysts, consultants, and architects.

Objectives:

- Citrix XenServer
 - Understand how the Xen hypervisor differs from other virtualization methods, and how the Xen open source project and XenServer commercial products differ.
 - Install XenServer Enterprise Edition 5.0 and configure CPU, network and storage resources.
 - Install XenCenter.
 - Create virtual machines and templates.
 - Identify the architectural differences between Linux and Windows VMs.
 - Convert a Linux system from a physical machine to a virtual machine.
 - Manage virtual machine resources and life cycle operations.
 - Use XenSearch to sort searching and grouping in XenCenter and view VM performance statistics.
 - Configure local and remote storage.
 - Configure resource pools and move virtual machines from one server to another.
- Citrix Provisioning Server
 - Identify the components, infrastructure, services and communications of Citrix Provisioning Server 5.0
 - Identify system requirements and install Citrix Provisioning Server 5.0
 - Configure a Provisioning Server farm
 - Configure Provisioning Server role-based administration using Active Directory user groups
 - Create a vDisk store
- Create a vDisk
 - Configure a Master Target Device and create a vDisk image
 - Assign vDisks to target devices and enable Active Directory machine account password management
 - Block ports for a target device, organize target devices into views and change the properties of target devices
 - Administer vDisk connections; unassign, delete and backup vDisks; release vDisk locks; change vDisk properties and update a vDisk
 - Administer server connections, change basic server properties and optimize performance by changing advanced server properties
 - Configure two methods of high availability
 - Install and enable printers on a vDisk and enable the Printer Management feature
- Citrix XenDesktop
 - Explain the features, benefits and components of Citrix XenDesktop 3 and 4.
 - Install the Desktop Delivery Controller
 - Prepare a virtual desktop for delivery to an endpoint device
 - Install and configure the XenDesktop Setup Wizard
 - Create and manage desktop groups using the Access Management Console
 - Configure XenDesktop policy management settings
 - Install and configure Desktop Receiver software on an endpoint device
 - Connect to a XenDesktop environment from a variety of endpoint devices
 - Upgrade a XenDesktop 3 environment to a XenDesktop 4

- Identify vDisk image modes and write cache types

Prerequisites:

- A basic knowledge of the purpose and goals of virtualization technology
- An understanding of computing architecture, including network and storage devices, device drivers and operating systems
- Basic experience installing and administering Windows Server 2003 or Windows Server 2008
- Basic experience installing and administering Linux variants
- Intermediate knowledge of network devices and site architecture, including configuring vLANs.
- Basic knowledge of storage terminology and technologies, including partitions, SANs, LUNs, iSCSI, and NFS and CIFS file shares

Testing and Certification:

To achieve CCA for Citrix XenDesktop 4 please take exam 1YO-A17 .

Content:

Citrix XenServer 5.0

- Understand how the Xen hypervisor differs from other virtualization methods, and how the Xen open source project and XenServer commercial products differ
- Install XenServer Enterprise Edition 5.0 and configure CPU, network and storage resources
- Install XenCenter
- Create virtual machines and templates
- Identify and explain the uses for XenConvert
- Manage virtual machine resources and life cycle operations
- Use XenSearch to sort searching and grouping in XenCenter and view VM performance statistics
- Configure local and remote storage
- Configure resource pools and move virtual machines from one server to another
- Identify the requirements for high availability and disaster recovery
- Identify the purpose and functionality of the xe CLI and perform basic commands
- Identify and view tools for upgrading and troubleshooting XenServer Enterprise Edition 5.0

Citrix Provisioning Server 5.0

- Identify the components, infrastructure, services and communications of Citrix Provisioning Server 5.0
- Identify system requirements and install Citrix Provisioning Server 5.0
- Configure a Provisioning Server farm
- Configure Provisioning Server role-based administration using Active Directory user groups
- Create a vDisk store
- Identify vDisk image modes and write cache types
- Create a vDisk
- Configure a Master Target Device and create a vDisk image
- Assign vDisks to target devices and enable Active Directory machine account password management
- Block ports for a target device, organize target devices into views and change the properties of target devices
- Administer vDisk connections; unassign, delete and backup vDisks; release vDisk locks; change vDisk properties and update a vDisk
- Administer server connections, change basic server properties and optimize performance by changing advanced server properties
- Configure two methods of high availability
- Install and enable printers on a vDisk and enable the Printer Management feature

Citrix XenDesktop 3

- Explain the features, benefits and components of Citrix XenDesktop 3
- Install the Desktop Delivery Controller
- Prepare a virtual desktop for delivery to an endpoint device
- Install and configure the XenDesktop Setup Wizard
- Create and manage desktop groups using the Access Management Console
- Configure XenDesktop policy management settings
- Install and configure Desktop Receiver software on an endpoint device
- Connect to a XenDesktop environment from a variety of endpoint devices

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

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