

## **CXS-200-1I Implementing Citrix XenServer Enterprise Edition 5.0**

This course prepares learners to deploy and manage XenServer Enterprise Edition 5.0 and XenCenter. Through hands-on labs, learners will gain experience in installing and configuring a virtualization server and connecting to the server with XenCenter; creating virtual machines and managing virtual machine life-cycle operations; and creating a XenServer resource pool and connecting to remote storage.

In addition, learners will explore advanced XenServer capabilities such as XenMotion and automatic virtual machine placement.

### **Audience**

This course is designed for IT professionals, Architects, Systems Engineers and Citrix Partner Network members.

### **Preparatory Recommendations**

Prior to taking this course, Citrix recommends that learners possess the following knowledge and experience:

- 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

### **Key Skills**

Upon successful completion of this course, learners are able to:

- Describe the difference between Xen hypervisor and other virtualization methods
- Describe the difference between Xen open source project and XenServer commercial products
- 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
- Perform searches 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

### **Instructional Method**

This course is an instructor-led training course with classroom discussion, demonstrations and the practical application of concepts through hands-on exercises.

## Course Length

2 days

## Certification Preparation

CXS-200-11 prepares learners for exam A09 Implementing Citrix XenServer Enterprise Edition 5.0, the requirement for the CCA for Citrix XenServer Enterprise Edition 5.

## Registration

For more information and to register for this course, please visit [www.CitrixEducation.com](http://www.CitrixEducation.com).

## Topic Outline

Provided is the topic outline for CXS-200-11:

- Virtualization Overview
  - Benefits
  - Types of virtualization
- Product Overview
  - Product architecture
  - Architecture features
- Product Installation
  - Hardware requirements
  - Installing XenServer
  - Installing XenCenter
- Windows Virtual Machines
  - Creating ISO libraries
  - Architecture
  - Creating Windows VMs
- Linux Virtual Machines
  - Architecture
  - Creating Linux VMs
- Templates and Life-cycle Operations
  - VM templates
  - Life-cycle Operations
- XenConvert
- Resource Management
  - Offline and online adjustment
  - Enhanced resource controls
  - Alerts and performance statistics
- Networking
  - Physical networking
  - Virtual networking
  - NIC bonds
- Storage
  - Physical storage
  - Virtual storage
- Remote Storage
  - Fibre Channel
  - iSCSI
  - NFS
  - NetApp
  - Multipathing
- Resource Pools
  - Resource pool architecture
  - Working with pools
  - Configuring resource pools
  - Automatic VM placement
  - XenMotion live migration

- Business Continuity
  - High availability
  - Disaster recovery
- Command Line Interface
  - Accessing and understanding the xe CLI
  - Using basic commands to create objects and perform maintenance
- Troubleshooting
  - Viewing event logs and reports
  - Identifying tools
  - Upgrades and patches