

Citrix XenServer Administration Training

Course Content

□ Module 1: Overview

- ❖ XenServer hosts and resource pools
- ❖ Networking
- ❖ Storage
- ❖ Monitoring and managing XenServer
- ❖ Command Line Interface
- ❖ How this Guide relates to other documentation

□ Module 2: XenServer hosts and Resource pools Configuration

- ❖ Requirements for creating resource pools
- ❖ Creating a resource pool
- ❖ Adding shared Storage
- ❖ Installing and managing VMs on shared storage
- ❖ Removing a XenServer host from a resource pool

□ Module 3: High Availability [HA]

- ❖ Requirements for configuration
- ❖ Restart priorities
- ❖ Enabling HA on a XenServer pool
- ❖ Enabling HA using the CLI
- ❖ Removing HA protection from a VM using the CLI
- ❖ Host Fencing
- ❖ Recovering an unreachable host
- ❖ Shutting down a host when HA is enabled
- ❖ Shutting down a VM when it is protected by HA

□ Module 4: Backups

- ❖ Full metadata backup and disaster recovery
- ❖ Moving SRs between hosts and Pools
- ❖ VM Snapshots
- ❖ Regular Snapshots
- ❖ Quiesced Snapshots
- ❖ Taking a VM snapshot
- ❖ VM Rollback
- ❖ Coping with machine failures
- ❖ Member failures
- ❖ Master failures
- ❖ Pool failures
- ❖ Coping with Failure due to Configuration Errors
- ❖ Physical Machine failure

□ Module 5: Storage

- ❖ Overview
- ❖ StorVirtual Disk Images [VDI]
- Managing Storage
 - ❖ Storage Repository Types
 - ❖ Local Disks
 - ❖ Local hotplug devices
 - ❖ Shared Network Attached Storage Using NFS
 - ❖ Shared iSCSI Storage
 - ❖ Shared LVM storage over FC or iSCSI hardware HBAs
 - ❖ Creating Storage Repositories
 - ❖ Probing an SR
 - ❖ Creating a local LVM SR [lvm]
 - ❖ Creating a local EXT3 SR [ext]
 - ❖ Creating a shared NFS SR [nfs]
 - ❖ Creating a shared LVM over iSCSI SR using the software iSCSI initiator [lvmoiscsi]
 - ❖ age repositories [SRs]
 - ❖ Creating a shared LVM over Fibre Channel or iSCSI HBA SR [lvmohba]
 - ❖ Creating a shared NetApp SR over iSCSI
 - ❖ Creating a shared EqualLogic SR
 - ❖ Storage Multipathing
 - ❖ Managing Storage Repositories
 - ❖ Destroying or forgetting a SR

□ Module 6: Troubleshooting

- ❖ XenServer host logs
- ❖ Sending log messages to a central server
- ❖ Troubleshooting connections between XenCenter and the XenServer host A CPU Allocation Guidelines

□ Module 7: Introducing an SR

- ❖ Converting local Fibre Channel SRs to shared SRs
- ❖ Moving Virtual Disk Images [VDIs] between SRs
- ❖ Managing VDIs in a NetApp SR
- ❖ Taking VDI snapshots with a NetApp SR
- ❖ Adjusting the disk IO scheduler for an LVM-based SR
- ❖ Managing Host Bus Adapters [HBAs]
- ❖ Enabling Virtual HBA support
- ❖ Virtual disk QoS settings [Enterprise Edition only]

□ Module 8: Networking

➤ XenServer networking concepts

❖ Network objects

❖ Networks

- Initial networking configuration
- Managing networking Configuration
- Creating networks in a standalone server
- Creating networks in resource pools
- Changing networking configuration options

❖ VLANs

- Creating VLANs

❖ NIC bonds

- Creating NIC bonds on a standalone host
- Creating NIC bonds in resource pools

❖ Configuring a dedicated storage NIC

❖ Controlling Quality of Service [QoS]

❖ NIC/PIF ordering in resource pools

❖ Networking Troubleshooting

❖ Diagnosing network corruption

❖ Recovering from a bad network configuration

□ Module 9: Monitoring and Managing XenServer

- ❖ Alerts
 - Customizing Alerts
 - Configuring Email Alerts
- ❖ Custom Fields and Tags
 - Custom Searches

□ Module 10: Command Line Interface

- ❖ Basic xe syntax
- ❖ Special characters and syntax
- ❖ Command Types
 - Low-Level param commands
 - Low-Level list commands
 - Bonding commands
 - CD commands

- Event commands
- Host [XenServer host] commands
- Log commands
- Network commands
- Patch [update] commands
- PBD commands
- PIF commands
- Pool commands
- Storage Manage commands
- SR commands
- Task commands
- Template commands
- Update commands
- User commands
- VBD commands
- Console Commands
- VDI commands
- VIF commands
- VLAN commands
- VM commands
- ❖ Xe command reference
- ❖ Parameter types

This course specially designed for Citrix XenServer Administration
We Provide 100% Real-Time LAB Practical's with Job Assistance

Total duration of the course: - 15 Working days

Duration of the course per day: - 3 Hours

Course fee: - 12000Rs (INR) * service tax will be extra *****

Online Training Fee details: -

Course fee: - 20000Rs (INR) * service tax will be extra *****

Terms & Conditions

1. Additional Administration Tasks will be covered on weekends only.
2. Online LAB Access will be provided 24/7 for 30 day's as per additional payment.
3. The course content can be changed as per the technology without prior notice.

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