5 Days

CXS-301: Citrix XenServer 7.1 LTSR Administration

The course focuses on the skill set for Citrix XenServer 7.1 Long-Term Services Release. The participants can install, manage, secure, size, and troubleshoot the enterprise XenServer implementation.

The course enables the participants with the ability to optimize virtual CPU, manage VM, disaster recovery, features such as XenMotion and Intellicache.

Course objective:

- Knowledge of XenServer architecture, features, and leading practices
- Configure and manage virtual machines
- Install, configure, and manage XenServer and its environment
- Configure Resource Pools and high availability
- Configure network, storage, and security
- Troubleshooting

Course Details

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Course Outline

Module 1: XenServer Architecture

- XenServer virtualization platform
- Product editions and entitlements
- XenServer architecture and key components

Module 2: Managing Virtual Machines

- Virtualization techniques
- XenTools
- Creating and managing virtual machines
- Understand vApps
- Snapshot Management

Module 3: Installing XenServer

- Hardware requirements and Licensing
- Installation methods
- XenServer supplemental packs

Module 4: Managing a XenServer Environment

- Hotfix Deployment
- XenServer and XenTools Upgrade
- Monitoring and alerting

Module 5: Resource Pools

- Introduction

- XenServer pool master
- Pool master election and workload balancing

Module 6: Networking

- Architecture
- Virtual network types
- Network interface bonds
- Physical connectivity

Module 7: Storage

- Storage architecture
- Thick and thin provisioning
- Storage locations and multipathing
- File and block-based storage
- XenServer Intellicache
- Provisioning enhancements

Module 8: High Availability

- Purpose, Recommendations and Recovery process
- Host failure detection

Module 9: Security

- Integrating with Active Directory
- Role-based access
- Minimizing the attack surface
- Certificates and SSL
- Hypervisor Introspection Direct Inspect API

Module 10: Sizing and Optimizations

- Dom0 sizing and in-memory reach caching
- Virtual CPU optimization
- Device pass-through
- Dynamic memory control
- Resource scheduling

Module 11: Troubleshooting

- XenServer maintenance mode, host logs, and event notifications
- Xsconsole and XenApp
- Command line and PowerShell commands
- Citrix Insight Services and Network Tracing

Who Should Attend

- Administrators
- Engineers
- Architects working with Citrix XenServer

Pre Requisite

Little or no experience with Citrix XenServer

Date - Apr 23, 2024