



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Citrix XenServer 7.1 LTSR Administration

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
CTX_CXS-301	40 Hours (5 days)	€3,695.00

## Description

Build a new skill set around Citrix XenServer 7.x focusing on the 7.1 Long Term Services Release, which delivers optimized server virtualization for all datacenter workloads. In this five-day course, you'll learn how to install, manage, secure, size and troubleshoot an enterprise XenServer implementation. The course will walk you through configuration and administration of the environment, from architecture and virtual machines to resource pools, storage and networking. Key topics will include capabilities such as virtual CPU optimization, VM management, and high availability/disaster recovery, and features such as Intellicache and XenMotion.

This course is currently based on XenServer 7.1 Long Term Service Release however a review of newer features is covered in the course.

## Objectives

After completing this course you should be able to: Understand XenServer architecture, features, and leading practices  
Configure and manage virtual machines  
Install, configure, and manage XenServer and the XenServer environment  
Configure Resource Pools and high availability in the XenServer environment  
Configure network, storage, and security for XenServer  
Troubleshoot the XenServer environment

## Audience

IT Professionals who need to design, deploy, manage, and support Citrix XenServer.

## Programme

**Module 1: XenServer Architecture** Describing the XenServer virtualization platform Product editions and entitlements  
XenServer architecture XenServer key components  
**Module 2: Managing Virtual Machines** Virtualization techniques XenTools  
Creating virtual machines Managing virtual machines Understanding vApps Managing snapshot  
**Module 3: Installing XenServer**  
Hardware requirements Licensing Available installation methods XenServer supplemental packs  
**Module 4: Managing a XenServer Environment** Deploying hotfixes Upgrading XenServer Upgrading XenTools  
Monitoring and alerting Pool metadata backups  
**Module 5: Resource Pools** Understanding resource pools XenServer pool master  
Pool master election Workload balancing  
**Module 6: Networking & XenServer networking architecture** Virtual network types  
Network interface bonds XenServer physical connectivity  
**Module 7: Storage** XenServer storage architecture  
Understanding thick and thin provisioning Storage locations File based and block based storage Storage multipathing  
XenServer Intellicache XenServer in-memory read caching XenApp and XenDesktop Provisioning enhancements  
**Module 8: High Availability** Purpose of high availability High availability recommendations Detecting a host failure  
High availability recovery process  
**Module 9: Security** Integrating with Active Directory Understanding role-based access  
Minimizing the attack surface Certificates and SSL with XenServer XenServer Hypervisor Introspection Direct Inspect API  
**Module 10: Sizing and Optimizations** Dom0 sizing Dom0 in-memory reach caching Virtual CPU optimization Device pass-through  
Dynamic memory control Resource scheduling Network QoS Disk prioritization XenServer vGPU and GPU pass-through  
**Module 11: Troubleshooting** XenServer maintenance mode Host logs and event notifications Xsconsole XenTop  
Command line and PowerShell commands Using Citrix Insight Services Network tracing

## Session Dates

On request. Please [Contact Us](#)

## Additional Information

This training is also available as onsite training. Please contact us to find out more.