



Core Solutions of Microsoft® Lync® Server 2013

20336B

Delivery Type: Instructor-led (classroom)

Duration: 5 days

Overview:

This instructor-led course teaches IT professionals how to plan, design, deploy, configure, and administer a Microsoft Lync Server 2013 solution. The course emphasizes Lync Server 2013 Enterprise Unified Communications features with particular emphasis on coexisting with and migrating from legacy communication services. The labs in this course create a solution that includes IM and Presence, Conferencing, and Persistent Chat. This course helps the student prepare for Exam 70-336.

Audience profile

This course is intended for IT consultants and telecommunications consulting professionals who design, plan, deploy, and maintain solutions for unified communications (UC). Candidates should be able to translate business requirements into technical architecture and design for a UC solution.

At course completion:

After completing this course, students will be able to:

- ✓ Describe the overall server and client Lync Server 2013 architecture.
- ✓ Describe Lync 2013 features and user scenarios.
- ✓ Describe the Lync Server deployment process.
- ✓ Describe the components of a Lync Server 2013 Design.
- ✓ Plan for Microsoft Solutions Framework for Lync 2013.
- ✓ Plan Infrastructure Requirements for Lync Server 2013.
- ✓ Use the Lync Server 2013 Planning Tool.
- ✓ Use Topology Builder.
- ✓ Plan for Site Topology.
- ✓ Design a Site Topology.
- ✓ Plan the Server Infrastructure.
- ✓ Design Documentation Using Microsoft Office.
- ✓ Use Lync Server 2013 management interfaces.
- ✓ Configure Role-Based Access Control.
- ✓ Prepare for client deployment.

- ✓ Deploy and manage clients.
- ✓ Prepare for device deployment.
- ✓ Deploy and manage Internet Protocol (IP) phones.
- ✓ Describe conferencing in Lync Server 2013.
- ✓ Describe dial-in conferencing in Lync Server 2013.
- ✓ Manage and administer dial-in conferencing in Lync Server 2013.
- ✓ Describe the conferencing capabilities of Lync Server 2013.
- ✓ Design audio and video for web conferencing.
- ✓ Plan for instant message and presence Federation.
- ✓ Design Edge services.
- ✓ Describe the features and concepts for Persistent Chat in Lync Server 2013.
- ✓ Design Lync Server 2013 to include Persistent Chat.
- ✓ Deploy and configure Persistent chat in Lync Server 2013.
- ✓ Describe the Archiving service.
- ✓ Describe the Monitoring service.
- ✓ Configure the Archiving and Monitoring services.
- ✓ Describe and use the Lync Server 2013 troubleshooting tools.
- ✓ Describe the required daily, weekly, and monthly maintenance tasks.
- ✓ Describe the fundamental troubleshooting approach to Lync Server 2013 issues.
- ✓ Use SIP commands and analyze SIP logs.
- ✓ Describe high availability in Lync Server 2013.
- ✓ Configure High Availability features in Lync Server 2013.
- ✓ Plan for load balancing in Lync Server 2013.
- ✓ Design load balancing in Lync Server 2013.
- ✓ Describe the high availability options in Lync Server 2013.
- ✓ Describe the tools for backing up and restoring Lync Server 2013 data.

- ✓ Backup and restore critical Lync Server 2013 data.
- ✓ Export and import critical Lync Server 2013 data.
- ✓ Describe design considerations for branch site scenarios.
- ✓ Describe the migration process.
- ✓ Describe migration and coexistence topologies.
- ✓ Plan for client and device migration.
- ✓ Design a software deployment strategy for Lync 2013.

Course Outline

- ✓ Module 1: Architecture and Design Approach for Microsoft Lync Server 2013

This module will help you to plan and design a Lync Server 2013 implementation that meets organizational and user needs. This module equips you with knowledge about Lync Server 2013 key features and functionality and introduces you to Microsoft Solutions Framework (MSF), which recommends a structured approach to project management and execution.

- ✓ Module 2: Designing a Lync Server 2013 Topology

This module explains how to design a complex Microsoft Lync Server 2013 topology including defining network sites and network regions, and sizing and placing server roles.

- ✓ Module 3: Configuring Users and Rights in Microsoft Lync Server 2013

The purpose of this module is to introduce you to the methods available for configuring and managing users in Microsoft Lync Server 2013. You will learn about the configuration management options in Lync Server 2013, including the Lync Server Control Panel and the Lync Server Management Shell.

- ✓ Module 4: Client and Device Deployment and Management

Microsoft Lync Server 2013 introduces new ways of creating and defining client and user policies, as well as new procedures for

deploying clients and devices. In this module, you will learn how to plan for introducing Lync Server 2013 clients into your network and the various phone devices that are supported. You will also learn how to effectively manage the desktop clients and devices.

- ✓ Module 5: Conferencing in Lync Server 2013

Conferencing is a core feature of Microsoft Lync Server 2013. This module introduces conferencing in Lync Server 2013, discusses dial-in conferencing in Lync Server 2013, and describes how to manage and administer conferencing policies.

- ✓ Module 6: Designing and Deploying External Access

This module discusses how to design the Microsoft Lync Server 2013 external access components and capabilities so that it meets the organization's needs. This module also discusses how you can design a solution for external scenarios that support a variety of internal and external users connected to the Internet, to their corporate network or to a public switched telephone network (PSTN).

- ✓ Module 7: Deploying Microsoft Lync Server 2013 Persistent Chat

This module describes how to plan, design and deploy Lync Server 2013 Persistent Chat to the enterprise. It describes the fundamental process required to create and manage a Lync Server 2013 Persistent Chat room.

- ✓ Module 8: Monitoring and Archiving

This module discusses the features and configuration of both the Monitoring and Archiving services. You will learn how to interpret the QoE reports and use this information to better manage and deliver a high-quality user experience for Lync Server 2013.

- ✓ Module 9: Administration and Maintenance of Lync Server 2013

This module introduces Lync Server 2013 administration tools and operational best practices needed to maintain Lync Server 2013 in the enterprise. It will also introduce

basic techniques and tools to help when troubleshooting Lync Server 2013.

- ✓ Module 10: High Availability in Lync Server 2013

This module describes the requirements for high availability with Lync Server 2013.

Finally, this module discusses how to plan and design for load balancing with Lync Server 2013.

- ✓ Module 11: Disaster Recovery in Lync Server 2013

This module describes new disaster recovery features in Lync Server 2013. This module also discusses the tools and methods for successfully backing up and restoring a Lync Server 2013 environment, as well as how to back up and restore, and export and import, critical Lync Server 2013 data. Finally, this module discusses designing for Branch Site Resiliency in Lync Server 2013.

- ✓ Module 12: Planning a Migration to Lync Server 2013

In this module, you will learn about coexistence and migration to Microsoft Lync Server 2013. You will also learn how to design the infrastructure migration strategy and the migration strategy for Lync Server 2013 clients and devices.

Prerequisites:

Before attending this course, students must have:

- ✓ Experience managing software in a Windows 2008 R2 enterprise server or Windows Server 2012 environment
- ✓ Experience managing an application remotely using Windows PowerShell 3.0
- ✓ Familiarity with managing and configuring databases
- ✓ An introduction to Active Directory Domain Services