
Core Solutions of Microsoft Lync Server 2013

Duration: 5 Days Course Code: 336 Version: B

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.

Target Audience:

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.

Objectives:

- 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.
 - 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.
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- 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.
- 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.

Prerequisites:

- 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 Service

Content:

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

- Overview of Lync Server 2013 Architecture
- Overview of Lync Server 2013 Core Capabilities
- Introduction to the Lync Server 2013 Design Process
- Assessing Infrastructure Requirements and Updating the Design
- Planning for all Microsoft Solutions Framework Phases

Module 2: Designing a Lync Server 2013 Topology

- Planning Infrastructure Requirements for Lync Server 2013
- Using the Lync Server 2013 Planning Tool
- Using Topology Builder
- Planning the Server Infrastructure
- Designing Documentation Using Microsoft Office

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

- Managing Lync Server 2013
- Introduction to Role Based Access Control

Module 4: Client and Device Deployment and Management

- Prepare for client deployment.
- Deploy and manage clients.
- Prepare for device deployment.
- Deploy and manage IP phones.

Module 5: Conferencing in Lync Server 2013

- Introduction to Conferencing in Lync Server 2013
- Designing for Audio/Video and Web Conferencing
- Dial-In Conferencing in Lync Server 2013
- Managing and Administering Conferencing

Module 6: Designing and Deploying External Access

- Conferencing and External Capabilities of Lync Server 2013
- Planning for IM and Presence Federation
- Designing Edge Services

Module 7: Deploying Microsoft Lync Server 2013 Persistent Chat

- Overview of Persistent Chat Architecture in Lync Server 2013
- Designing Lync Server 2013 Persistent Chat
- Deploying and Configuring Lync Server 2013 Persistent Chat

Module 8: Monitoring and Archiving

- The Archiving Service
- The Monitoring Service
- Configuring Archiving and Monitoring

Module 9: Administration and Maintenance of Lync Server 2013

- Introduction to Lync Server 2013 troubleshooting tools
- Understanding Lync Server 2013 Operational Tasks
- Developing Lync Server 2013 Troubleshooting Techniques

Module 10: High Availability in Lync Server 2013

- High Availability in Lync Server 2013
- Configuring High Availability in Lync Server 2013
- Planning for Load Balancing
- Designing Load Balancing

Module 11: Disaster Recovery in Lync Server 2013

- Disaster Recovery in Lync Server 2013
- Tools for Backing Up and Restoring Lync Server 2013
- Critical Lync Server 2013 Data to Back Up and Restore
- Critical Lync Server 2013 Data to Export and Import
- Designing Branch Site Resiliency

Module 12: Planning a Migration to Lync Server 2013

- Overview of Coexistence and Migration
- Migration Steps
- Planning for Clients and Devices
- Designing a Client Migration and Device Migration Strategy

Further Information:

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