20336 - Core Solutions of Microsoft Lync Server 2013

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 emphasises 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.

Pre-requisites:

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

Module 1: Architecture and design approach for Microsoft Lync Server 2013

Lessons
- 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

Lessons
- 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

Lab : Preparing the Environment and Deploying a Lync Server 2013 Pool
- Preparing for Lync Server 2013
- Configuring a Lync Server 2013 Topology
- Publishing the Topology
- Configuring Domain Name Server (DNS)
- Deploying the Front End Server Role
- Configuring Exchange UM and enabling users

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

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

Lab : Configuring Users and Rights in Lync Server 2013
- Using the Lync Server Control Panel
- Using the Lync Server Management Shell
- Configuring Role-Based Access Control

Module 4: Client and Device Deployment and Management

Lessons
- Preparing for Client Deployment
- Deploying and Managing Lync 2013 Clients
- Preparing for Device Deployment
- Deploying and Managing IP Phones

Lab : Client and Device Management
- Creating Users
- Creating and Assigning Client Policies
- Creating and Assigning Device Policies
- Configuring a Device Update
- Creating and Assigning Mobile Device Policies

Module 5: Conferencing in Lync Server 2013

Lessons
- 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

Lab : Conferencing in Microsoft Lync Server 2013
- Deploy Lync Server 2013 Conferencing- Installing Office Web App Server
- Configuring Dial-in Conferencing
- Configuring Conferencing Policies
- Experiencing Lync Server 2013 Conferencing

Module 6: Designing and Deploying External Access

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

Lab : Designing and Deploying for Conferencing and External Scenarios
- Reviewing the Business or Technical Requirements (Paper-Based Exercise)
- Define the Edge Server in the Topology (Virtual Machine–Based Exercise)
- Deploying Edge Server and Configuring Remote Access
- Validating the Edge Server (Virtual Machine–Based Exercise)

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
- More...

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Module 7: Deploying Microsoft Lync Server 2013 Persistent Chat

Lessons
- Overview Lync Server 2013 Persistent Chat architecture
- Design Lync Server 2013 Persistent Chat
- Deploy and Configure Lync Server 2013 Persistent Chat

Lab : Deploying Microsoft Lync Server 2013 Persistent Chat Server
- Defining a Persistent Chat Topology
- Installing persistent Chat and Compliance Service
- Configuring and using persistent Chat Rooms

Module 8: Monitoring and Archiving

Lessons
- Describing the Archiving Service
- Describing the Monitoring Service
- Configuring Archiving and Monitoring

Lab : Configuring and Using Archiving and Monitoring in Lync Server 2013
- Configuring Lync Archiving to Exchange 2013
- Configuring the Monitoring Server Role and the Lync Server Monitoring Reports
- Exploring the Lync Server Monitoring Reports

Module 9: Administrating and Maintenance of Lync Server 2013

Lessons
- Introduction to Lync Server 2013 troubleshooting tools.
- Understanding Lync Server 2013 Operational tasks
- Develop Lync Server 2013 troubleshooting techniques
- Introduction to analysing Lync Server 2013 logs and traces

Lab : Administrating and Maintenance of Lync Server 2013
- Review Lync Server 2013 administration tools
- Review Lync Server 2013 maintenance/operational tasks
- Enable Centralised Logging Service

Module 10: High Availability in Lync Server 2013

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

Lab : Configuring High Availability in Lync Server 2013
- Configure Database Mirroring
- Experiencing a Scheduled SQL Server Outage
- Experiencing an Unscheduled SQL Server Outage

Module 11: Disaster Recovery in Lync Server 2013

Lessons
- 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

Lab : Configuring Disaster Recovery in Lync Server 2013
- Configure Pool Pairing
- Experiencing a Pool Failure or Outage

Module 12: Planning a Migration to Lync Server 2013

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

Lab : Planning a Migration to Lync Server 2013 (Paper-based)
- Create a Migration Plan
- Document the Migration Phases