20334 Core Solutions of Microsoft Skype for Business 2015/2019

Overview

This course empowers you with the knowledge and skills required to plan, deploy, configure, and administer a Microsoft Skype for Business solution. You will discover how to deploy a multi-site and highly available Skype for Business infrastructure that supports instant messaging (IM), conferencing, enterprise voice, archiving, and monitoring. You will also develop the skills to manage, maintain, and troubleshoot issues in the infrastructure. This course focuses primarily on the on-premises deployment of Skype for Business but does include information on how to integrate the on-premises deployment with Teams or Skype for Business Online as well as how to migrate from previous versions of Skype for Business Server. It helps prepare you for Exam 70-334: Core Solutions of Skype for Business 2015.

Prerequisite Comments

In addition to their professional experience, students who attend this training should already have the following technical knowledge: Minimum of two years of experience administering Windows Server, including Windows Server 2008 R2 or Windows Server 2012; minimum of two years of experience working with Active Directory; minimum of two years of experience working with name resolution, including DNS; experience working with certificates, including PKI certificates; experience working with Windows PowerShell; understanding of data networks and telecommunications standards and components.

Target Audience

This course is intended for IT professionals who are responsible for the Skype for Business deployment in their organizations.

Course Objectives

After completing this course, students will be able to:
- Describe the architecture of Skype for Business 2015 and design a Skype for Business 2015 topology.
- Install and implement Skype for Business Server 2015.
- Administer and manage Skype for Business Server 2015 by using the various available tools.
- Design and implement clients and users in Skype for Business 2015.
- Implement conferencing in Skype for Business 2015.
- Design and implement additional conferencing options.
- Design and implement monitoring and archiving in Skype for Business 2015.

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Design and implement connectivity for external users and organizations.
Design and implement Persistent Chat in Skype for Business 2015.
Design and implement high availability in Skype for Business 2015.
Design and implement disaster recovery scenarios for Skype for Business 2015.
Design and deploy Skype for Business hybrid.
Design and implement an upgrade from Lync to Skype for Business 2015.

Course Outline

Designing the Skype for Business 2015 Topology

Skype for Business 2015 Overview
Skype for Business Administrative Tools
Skype for Business Online
Lab: Designing and Publishing a Skype for Business 2015 Topology

Installing and Implementing Skype for Business Server 2015

Server and Service Dependencies
Planning SIP Domains
Installing Skype for Business Server 2015
Integrating Skype for Business Server 2015 with Exchange Server and SharePoint Server
Lab: Configuring DNS for Skype for Business 2015
Lab: Deploying Skype for Business Server 2015

Administrering Skype for Business Server 2015

Skype for Business Control Panel
Scripting in the Skype for Business Shell
Implementing Role Based Access Control (RBAC)
Using the Test Cmdlets
Tools for Troubleshooting Skype for Business 2015
Lab: Using Administrative Tools to Manage Skype for Business Server 2015
Lab: Using Tools to Troubleshoot Skype for Business Server 2015

Configuring Users and Clients in Skype for Business 2015

Configuring Users
Deploying Skype for Business 2015 Clients
Sign In, Registration, and Authentication
Configuring Skype for Business Client Policies
Configuring Skype for Business Server 2015 Settings
Managing the Skype for Business Address Book
Lab: Configuring Users and Clients in Skype for Business 2015
Lab: Configuring Policies and the Address Book in Skype for Business 2015
Configuring and Implementing Conferencing in Skype for Business 2015

Conferencing Features and Modalities
Integrating Skype for Business 2015 with Office Web Apps Server
Namespace Planning
Bandwidth Planning
Configuring Conferencing Settings
Lab: Installing and Configuring the Office Web Apps Server
Lab: Configuring Conferencing in Skype for Business Server 2015

Implementing Additional Conferencing Options in Skype for Business Server 2015

Conferencing Lifecycle
Designing and Configuring Audio/Video and Web Conferencing Policies
Deploying Dial-in Conferencing
Configuring a Lync Room System
Configuring Large and Broadcast Meetings
Lab: Implementing a Conferencing Policy
Lab: Configuring Additional Conferencing Modalities

Designing and Implementing Monitoring and Archiving in Skype for Business 2015

Components of the Monitoring Service
Implementing Archiving
Designing an Archiving Policy
Implementing an Archiving Policy
Implementing Exchange and SharePoint Integration of Archiving
Lab: Implementing Monitoring
Lab: Implementing Archiving

Deploying Skype for Business 2015 External Access

External Access Overview
Configuring External Access Policies and Security
Configuring External Access Network and Certificates
Configuring Reverse Proxy
Designing Mobility in Skype for Business 2015
Designing Federation in Skype for Business 2015
Lab: Designing and Implementing External User Access
Lab: Installing the Components for External Users

Implementing Persistent Chat in Skype for Business 2015

Designing Persistent Chat Topology
Deploying Persistent Chat
Configuring and Managing Persistent Chat
Lab: Designing and Deploying Persistent Chat
Lab: Configuring and Experiencing Persistent Chat
Implementing High Availability in Skype for Business 2015

Front End Pool Architecture
Back End Server High Availability
High Availability for Other Component Servers
Lab: Designing and Implementing High Availability

Implementing Disaster Recovery in Skype for Business 2015

Disaster Recovery in Skype for Business
Implementing Front End Pool Pairing
Other Approaches to Disaster Recovery in Skype for Business 2015
Lab: Designing and Implementing Disaster Recovery

Integrating with Skype for Business 2015 Online

Designing Skype for Business Hybrid
Deploying Skype for Business Hybrid

Planning and Implementing an Upgrade to Skype for Business 2015

Overview of Upgrade and Migration Paths
Performing an In-Place Upgrade
Lab: Upgrading Lync Server 2013 to Skype for Business 2015