



# MS 20334 Core Solutions of Skype for Business 2015

**Price:** Call  
**Length:** 35 Hours (5 days)

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**Introduction:** This course provides students with the knowledge and skills that are required to plan, deploy, configure, and administer a Skype for Business 2015 solution. Students will learn how to deploy a multi-site and highly available Skype for Business infrastructure that supports instant messaging, conferencing, Persistent Chat, archiving, and monitoring. Students will also learn how to manage and maintain the infrastructure and how to troubleshoot issues that might arise. This course focuses primarily on an on-premises Skype for Business deployment, but it does include information on how to integrate an on-premises deployment with Skype for Business Online and how to migrate from previous versions of Lync Server.

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**Target Audience:** The primary audience for this course is information technology (IT) professionals who are responsible for the Skype for Business 2015 deployment in their organizations. Experience with previous versions of Lync Server is beneficial but not required to take this course. Students should be proficient with Active Directory Domain Services (AD DS), data networks, and telecommunications standards and components that support the configuration of Skype for Business. Students should also be familiar with Microsoft Exchange Server and Microsoft Office 365.

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**Prerequisites:** In addition to their professional experience, students who attend this training should already have:

- A minimum of two years of experience administering Windows Server 2012 or Windows Server 2008 R2.
- A minimum of two years of experience working with AD DS.
- A minimum of two years of experience working with name resolution, including Domain Name System (DNS).
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with the Windows PowerShell command-line interface.
- An understanding of data networks and telecommunications standards and components.

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**Objectives:** After completing this course, students will be able to:

- Describe the Skype for Business 2015 architecture and design a Skype for Business 2015 topology.
- Install and implement Skype for Business Server 2015.
- Administer Skype for Business Server 2015 by using various tools.
- Configure users and clients in Skype for Business 2015.
- Configure and implement conferencing in Skype for Business 2015.
- Implement additional conferencing options, such as dial-in conferencing, Microsoft Skype Room System (SRS), and Skype Meeting Broadcast.
- Design and implement monitoring and archiving in Skype for Business 2015.
- Deploy Skype for Business 2015 external access.
- Implement Persistent Chat in Skype for Business 2015.
- Implement high availability in Skype for Business 2015.
- Implement disaster recovery in Skype for Business 2015.
- Design and deploy a hybrid Skype for Business environment.
- Plan and implement an upgrade from Lync Server to Skype for Business Server 2015.



## **I. Design and Architecture of Skype (for Business 2015)**

- A. Overview of Skype for Business Components and Features
- B. Introduction to the Skype for Business Administrative Tools

## **II. Installing and Implementing Skype**

- A. Server and Service Dependencies
- B. Planning SIP Domains
- C. Installing Skype for Business Server
- D. Integrating Skype for Business Server with Exchange Server and SharePoint Server

## **III. Administering Skype**

- A. Using Skype for Business Server Control Panel
- B. Using the Skype for Business Server Management Shell
- C. Implementing Role-Based Access Control
- D. Using Test Cmdlets
- E. Tools for Troubleshooting Skype for Business

## **IV. Configuring Users and Clients in Skype**

- A. Configuring Users
- B. Deploying the Skype for Business Client
- C. Registration, Sign-In, and Authentication
- D. Configuring Skype for Business Client Policies
- E. Managing the Skype for Business Address Book

## **V. Configuring and Implementing Conferencing in Skype**

- A. Introduction to Conferencing in Skype for Business 2015
- B. Integrating Skype for Business Server and Office Online Server
- C. Bandwidth Planning
- D. Configuring Conferencing Settings

## **VI. Implementing Additional Conferencing Options in Skype**

- A. Overview of the Conferencing Lifecycle
- B. Designing and Configuring Audio/Video and Web Conferencing Policies
- C. Deploying Dial-In Conferencing
- D. Configuring an SRS
- E. Configuring Large Meetings and Skype Meeting Broadcasts

## **VII. Designing and Implementing Monitoring and Archiving**

- A. Components of the Monitoring Service
- B. Overview of Archiving
- C. Designing an Archiving Policy
- D. Implementing Archiving

## **VIII. Deploying Skype for Business 2015 External Access**

- A. Overview of External Access
- B. Configuring External Access Policies and Security
- C. Configuring External Access Network and Certificates
- D. Configuring Reverse Proxy
- E. Designing Mobility in Skype for Business Server
- F. Designing Federation in Skype for Business Server

## **IX. Implementing Persistent Chat in Skype**

- A. Designing a Persistent Chat Server Topology
- B. Deploying Persistent Chat Server
- C. Configuring and Managing Persistent Chat

## **X. Implementing High Availability in Skype**

- A. Planning for Front End Pool High Availability
- B. Planning for Back End Server High Availability
- C. High Availability for Other Component Servers

## **XI. Implementing Disaster Recovery in Skype**

- A. Disaster Recovery Options in Skype for Business Server
- B. Implementing Disaster Recovery in Skype for Business Server
- C. Additional Disaster Recovery Options in Skype for Business Server

## **XII. Integrating with Skype for Business Online**

- A. Overview of Skype for Business Online
- B. Preparing for a Hybrid Skype for Business Deployment
- C. Configuring a Hybrid Skype for Business Environment

## **XIII. Planning and Implementing an Upgrade to Skype**

- A. Overview of Upgrade and Migration Paths
- B. Migrating to Skype for Business 2015
- C. In-Place Upgrade to Skype for Business Server 2015