



20334: Core Solutions of Skype® for Business 2015/2019

Duration: 5 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Course Description

This course provides participants with the knowledge and skills required to plan, deploy, configure, and administer a Microsoft® Skype for Business solution. Participants will learn how to deploy a multi-site and universally available Skype for Business infrastructure that supports instant messaging (IM), conferencing, enterprise voice, archiving, and monitoring. Participants will also learn how 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.

Target Audience

This course is intended for:

- Information Technology (IT) professionals who are responsible for the Skype for Business deployment in their organizations.

Prerequisites

In addition to their professional experience, to attend this course, candidates must have the following technical knowledge:

- Minimum of two years of experience administering Windows Server, including Windows Server 2016 or Windows Server 2019.
- Minimum of two years of experience working with AD DS.
- 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 Windows PowerShell.
- Understanding of data networks and telecommunications standards and components.



Course Objectives

Upon successful completion of this course, attendees will be able to:

- Describe the architecture of Skype for Business and design a Skype for Business topology.
- Install and implement Skype for Business Server.
- Administer and manage Skype for Business Server by using the various available tools.
- Design and implement clients and users in Skype for Business.
- Implement conferencing in Skype for Business Server.
- Design and implement additional conferencing options.
- Design and implement monitoring and archiving in Skype for Business.
- Design and implement connectivity for external users and organizations.
- Implement Enterprise Voice in Skype for Business Server.
- Plan and implement high availability in Skype for Business.
- Design and implement disaster recovery scenarios for Skype for Business.
- Design and deploy Skype for Business hybrid.
- Plan and implement a migration to Skype for Business Server 2019 or Microsoft Teams.

Course Topics

Module 1: Design and Architecture of Skype for Business Server

- Overview of Skype for Business Components and Features
- Introduction to Skype for Business Administrative Tools

Module 2: Installing and Implementing Skype for Business Server

- Server and Service Dependencies
- Planning Session Initiation Protocol (SIP) Domains
- Installing Skype for Business Server
- Integrating Skype for Business Server with Exchange Server and SharePoint Server

Module 3: Administering Skype for Business Server

- Skype for Business Server Control Panel
- Skype for Business Server Management Shell
- Implementing Role-Based Access Control (RBAC)
- Using Test Cmdlets
- Tools for Troubleshooting Skype for Business

Module 4: Configuring Users and Clients in Skype for Business

- Configuring Users
- Deploying the Skype for Business Client
- The Registration, Sign-In, and Authentication Processes
- Configuring Skype for Business Client Policies
- Managing the Skype for Business Address Book

Module 5: Configuring and Implementing Conferencing in Skype for Business

- Introduction to Conferencing in Skype for Business
- Integrating Skype for Business Server and Office Online Server
- Bandwidth Planning
- Configuring Conferencing Settings



Course Topics *Continued*

Module 6: Implementing Additional Conferencing Options in Skype for Business Server

- Overview of the Conferencing Life Cycle
- Designing and Configuring Audio/Video and Web Conferencing Policies
- Deploying Dial-In Conferencing
- Configuring Microsoft Teams Rooms
- Configuring Large Meetings and Skype Meeting Broadcasts

Module 7: Designing and Implementing Monitoring and Archiving in Skype for Business

- Components of the Monitoring Service
- Implementing Archiving
- Designing an Archiving Policy
- Implementing an Archiving Policy

Module 8: Deploying Skype for Business 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 Server
- Designing Federation in Skype for Business Server

Module 9: Implementing Enterprise Voice in Skype for Business Server

- Connecting to the PSTN
- Configuring Enterprise Voice
- Configuring Voice Routing
- Assigning Phone Numbers
- Configuring Voicemail
- Voice Applications

Module 10: Implementing High Availability in Skype for Business

- Planning for Front End Pool High Availability
- Planning for Back End Server High Availability
- High Availability for Other Component Servers

Module 11: Implementing Disaster Recovery in Skype for Business

- Disaster Recovery Options in Skype for Business Server
- Implementing Disaster Recovery in Skype for Business Server
- Additional Disaster Recovery Options in Skype for Business Server

Module 12: Implementing a Skype for Business Server and Office 365 Hybrid Deployment

- Overview of Office 365
- Preparing for a Hybrid Deployment
- Configuring a Hybrid Skype for Business Environment

Module 13: Planning and Implementing a Migration to Skype for Business Server or Microsoft Teams

- Overview of Upgrade and Migration Paths
- Migrating to Skype for Business Server 2019
- Migrating to Microsoft Teams
- In-Place Upgrade to Skype for Business Server 2015

LABS INCLUDED

