



Hewlett Packard Enterprise

Course Datasheet

Core Solutions of Skype for Business 2015 (20334)

Education Services course product number – H0LQ7S

Course length – 5 days

Delivery mode – Instructor Led Training (ILT)
Virtual Instructor Led Training (vILT)

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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. This course helps students prepare for Exam 70-334.

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.

The secondary audience for this course includes IT professionals who are planning to take the exam 70-334: *Core Solutions of Skype for Business 2015* as a stand-alone exam or as part of the requirement for the Microsoft Certified Solutions Expert (MCSE): Communications certification exam.

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.

Course 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 Lync Room System (LRS), 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.

Course Modules

- **Module 1: Design and Architecture of Skype for Business Server 2015**
This module describes the high-level components and features of Skype for Business 2015. It also describes how to work with Skype for Business administrative tools, the main components of Skype for Business Online, and coexistence with on-premises Skype for Business Server 2015 servers.
- **Module 2: Installing and Implementing Skype for Business Server 2015**
This module explains the external dependencies for Skype for Business Server. It describes the Session Initiation Protocol (SIP) domain requirements to ensure a successful implementation. This module also explains how to install Skype for Business Server, and it describes how Skype for Business Server integrates with Exchange Server and Microsoft SharePoint Server.
- **Module 3: Administering Skype for Business Server 2015**
This module explains how to administer and manage Skype for Business Server by using Skype for Business Server Control Panel and the Skype for Business Server Management Shell. It also describes how to create useful Skype for Business scripts to automate processes. Additionally, it explains how to implement role-based access control (RBAC) in Skype for Business and how to use important Test cmdlets and tools to troubleshoot Skype for Business.
- **Module 4: Configuring Users and Clients in Skype for Business 2015**
This module explains how to configure users by using Skype for Business Server Control Panel and the Skype for Business Server Management Shell. It then describes how to deploy Skype for Business clients and explains the sign-in, registration, and authentication process for Skype for Business clients. It also explains how to configure in-band policies and group policies. Finally, it explains how to manage the Skype for Business Address Book.

- **Module 5: Configuring and Implementing Conferencing in Skype for Business 2015**
This module describes Skype for Business conferencing features and modalities. It explains how to integrate Skype for Business Server 2015 with Office Online Server. It also explains how to plan for conferencing bandwidth utilization. Finally, it explains how to configure conferencing settings and policies.
- **Module 6: Implementing Additional Conferencing Options in Skype for Business Server 2015**
This module describes the conferencing lifecycle and explains how to administer it. It then explains how to use conferencing and meeting policies. It also explains how to deploy dial-in conferencing and configure the infrastructure for Lync Room System. Finally, it explains how to configure large meetings and Skype Meeting Broadcast.
- **Module 7: Designing and Implementing Monitoring and Archiving in Skype for Business 2015**
This module describes the Monitoring Service components in Skype for Business Server. It then describes archiving and explains how to design an archiving policy. Finally, it explains how to implement archiving.
- **Module 8: Deploying Skype for Business 2015 External Access**
This module describes the components for external access. It then explains how to configure external access policies and security, how to configure certificates, and how to configure reverse proxy. Additionally, this module describes how to configure Skype for Business Server 2015 for mobile clients. Finally, it explains how to design and configure federation in Skype for Business Server.
- **Module 9: Implementing Persistent Chat in Skype for Business 2015**
This module explains how to design a Skype for Business 2015 topology that includes Persistent Chat. It then explains how to deploy Persistent Chat in Skype for Business. Finally, it explains how to configure and manage Persistent Chat.
- **Module 10: Implementing High Availability in Skype for Business 2015**
This module describes how to design and implement a high-availability solution for Front End Servers and Back End Servers in a Skype for Business Server environment. It also explains how to design and implement a high-availability solution for file stores, Edge Servers, Mediation Servers, Office Online server farms, and reverse proxy servers in a Skype for Business Server environment.
- **Module 11: Implementing Disaster Recovery in Skype for Business 2015**
This module describes the disaster recovery options in Skype for Business Server, such as Front End pool pairing and Persistent Chat Server stretched pools. It then explains how to implement disaster recovery in Skype for Business Server. Additionally, it describes the disaster recovery options for Persistent Chat, the Central Management store, the Location Information Service (LIS) database, and user data.
- **Module 12: Integrating with Skype for Business Online**
This module describes Skype for Business Online features. It then explains how to prepare an on-premises environment for a hybrid Skype for Business deployment. It also explains how to configure a hybrid Skype for Business deployment.
- **Module 13: Planning and Implementing an Upgrade to Skype for Business Server 2015**
This module describes how to plan a side-by-side migration from Lync Server 2010 and Lync Server 2013 to Skype for Business Server 2015. It also explains how to perform an in-place upgrade from Lync Server 2013 to Skype for Business Server.