Course 20334:

Core Solutions of Microsoft Skype for Business 2015

Course Outline

Module 1: Installing and Implementing Skype for Business Server 2015

This module helps you to identify the external dependencies for Skype for Business Server 2015. It also explains how to plan SIP domains to ensure a successful implementation. Further, it describes how to install Skype for Business Server 2015 and how it integrated with Exchange Server and SharePoint Server.

Lessons

- 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 : Deploying Skype for Business Server 2015

- Creating DNS Records

- Installing and Configuring Skype for Business Server 2015

- Installing Skype for Business Certificates

- Configuring Exchange Server Integration

Lab : Configuring DNS for Skype for Business 2015

- Creating DNS Records

- Installing and Configuring Skype for Business Server 2015

- Installing Skype for Business Certificates

- Configuring Exchange Server Integration

After completing this module, students will be able to:
• Identify the external dependencies for Skype for Business Server 2015.
• Explain how to plan the SIP domains to ensure a successful implementation.
• Describe how to install Skype for Business Server 2015.
• Describe how Skype for Business Server 2015 is integrated with Exchange Server and SharePoint Server.

Module 2: Administering Skype for Business Server 2015

This module explains how to use the Skype for Business Control Panel and Skype for Business Management Shell. It also explains how to create useful Skype for Business scripts and implement Role Based Access Control in Skype for Business. Additionally, this module explains how to use important Test cmdlets and various tools to troubleshoot Skype for Business 2015.

Lessons

- Skype for Business Control Panel

- Skype for Business Management Shell

- 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 Tools to Troubleshoot Skype for Business Server 2015

- Installing the Skype for Business Control Panel on Windows 10

- Using the Skype for Business Control Panel

- Using the Skype for Business Management Shell

- Using Command Shell Cmdlets to Create an RBAC Structure

- Using Test Cmdlets

- Capturing an IM Conversation

- Performing a Network Capture by Using Message Analyzer

Lab : Using Administrative Tools to Manage Skype for Business Server 2015

- Installing the Skype for Business Control Panel on Windows 10

- Using the Skype for Business Control Panel

- Using the Skype for Business Management Shell

- Using Command Shell Cmdlets to Create an RBAC Structure

- Using Test Cmdlets

- Capturing an IM Conversation

- Performing a Network Capture by Using Message Analyzer

After completing this module, students will be able to:
• Explain how to use the Skype for Business Control Panel.
• Explain how to use the Skype for Business Management Shell.

- Explain how to create useful Skype for Business scripts.

- Explain how to implement Role Based Access Control in Skype for Business.

- Explain how to use important Test cmdlets.

- Explain how to use the various tools to troubleshoot Skype for Business 2015.

Module 3: Configuring Users and Clients in Skype for Business 2015

This module explains how to configure users for Skype for Business. It also explains how to deploy Skype for Business 2015 clients and configure client policies. It explains the authentication and sign-in process for the clients. It also describes how to configure the server settings that impact Skype for Business and how to generate and distribute the Skype for Business Address Book.

Lessons

- 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

- Enabling Users for Skype for Business Using the Management Shell

- Troubleshooting a User Login Issue

- Configuring Client Policies

- Configuring the Address Book

Lab : Configuring Policies and the Address Book in Skype for Business 2015

- Enabling Users for Skype for Business Using the Management Shell

- Troubleshooting a User Login Issue

- Configuring Client Policies

- Configuring the Address Book

After completing this module, students will be able to:
• Explain how to configure users for Skype for Business.
• Explain how to deploy Skype for Business 2015 clients.
• Explain the authentication and sign in process for Skype for Business clients.
• Describe how to configure client policies.
• Explain how to configure the server settings that impact Skype for Business.
• Describe how to generate and distribute the Skype for Business Address Book.

Module 4: Configuring and Implementing Conferencing in Skype for Business 2015

This modules explains the features for conferencing in Skype for Business 2015. It also explains how to integrate the Office Web Apps Server with Skype for Business 2015. It then explains how to design and implement simple URLs. Further, it describes the bandwidth requirements of the conferencing codecs and explains how to configure the conferencing settings of Skype for Business Server 2015.

Lessons

- 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

- Installing and Configuring the Office Web Apps Server

- Configuring Skype for Business Conferencing

- Validating Skype for Business Conferencing

Lab : Configuring Conferencing in Skype for Business Server 2015

- Installing and Configuring the Office Web Apps Server

- Configuring Skype for Business Conferencing

- Validating Skype for Business Conferencing

After completing this module, students will be able to:

• Describe the available features for conferencing in Skype for Business 2015.

• Explain how to integrate the Office Web Apps Server with Skype for Business 2015.

• Explain how to design and implement simple URLs.

• Explain the bandwidth requirements of the conferencing codecs.

• Explain how to configure the conferencing settings of Skype for Business Server 2015.

Module 5: Designing and Implementing Monitoring and Archiving in Skype for Business 2015

This module explains the components of the monitoring service in Skype for Business 2015. It also explains how to design and implement archiving, design an archiving policy, and implement an archiving policy. Additionally, it explains how to implement the archiving of Skype for Business IMs and conferences in Exchange and SharePoint.

Lessons

- 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

- Enabling Monitoring Reports

- Experiencing Archiving of an IM Session to Exchange

Lab : Implementing Archiving

- Enabling Monitoring Reports

- Experiencing Archiving of an IM Session to Exchange

After completing this module, students will be able to:

• Describe the components of the monitoring service in Skype for Business 2015.

• Explain how to design and implement archiving.

• Explain how to design an archiving policy.

• Explain how to implement an archiving policy.

• Explain how to implement the archiving of Skype for Business IMs and conferences in Exchange and SharePoint.

Module 6: Implementing Additional Conferencing Options in Skype for Business Server 2015

This module explains the conferencing lifecycle and the implementation of audio/video and Web conferencing policies. It also explains how to design and configure dial-in conferencing and large and broadcast meetings. It also explains how to configure a Lync Room System.

Lessons

- 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

- Configuring Conferencing Policies

- Troubleshooting Conferencing

- Configuring Dial-In Conferencing

- Configuring a Lync Room System

Lab : Configuring Additional Conferencing Modalities

- Configuring Conferencing Policies

- Troubleshooting Conferencing

- Configuring Dial-In Conferencing

- Configuring a Lync Room System

After completing this module, students will be able to:

• Explain the conferencing lifecycle.

• Explain how to implement audio/video and Web conferencing policies.

• Explain how to design and configure dial-in conferencing.

• Explain how to configure a Lync Room System.

• Explain how to configure large and broadcast meetings.

Module 7: Deploying Skype for Business 2015 External Access

This module explains the modalities for external access and capabilities for remote users. It also explains how to design and implement External Access Policies and security to meet the needs of an organization. Additionally, it explains how to design and manage external network configurations, create and manage reverse proxy configurations, design and manage the mobility service. Further, it explains how to design and configure federation.

Lessons

- 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

- Defining the Edge Server in the Topology

- Installing and Configuring the Edge Server

- Installing and Configuring Reverse Proxy

- Troubleshooting External Messaging

Lab : Installing the Components for External Users

- Defining the Edge Server in the Topology

- Installing and Configuring the Edge Server

- Installing and Configuring Reverse Proxy

- Troubleshooting External Messaging

After completing this module, students will be able to:

• Describe the modalities for external access and capabilities for remote users.

• Explain how to design and implement External Access Policies and security to meet the needs of an organization.

• Explain how to design and manage external network configurations.

• Explain how to create and manage reverse proxy configurations.

• Explain how to design and manage the mobility service.

• Explain how to design and configure federation.

Module 8: Implementing Persistent Chat in Skype for Business 2015

This module explains how to design a Persistent Chat topology. It also explains how to deploy Persistent Chat and configure and manage Persistent Chat.

Lessons

- Designing Persistent Chat Topology

- Deploying Persistent Chat

- Configuring and Managing Persistent Chat

Lab : Configuring and Experiencing Persistent Chat

- Configuring the Topology for Persistent Chat

- Installing Persistent Chat

- Configuring Chat Rooms and Policies

- Validating the Persistent Chat Deployment

- Troubleshooting Persistent Chat

Lab : Designing and Deploying Persistent Chat

- Configuring the Topology for Persistent Chat

- Installing Persistent Chat

- Configuring Chat Rooms and Policies

- Validating the Persistent Chat Deployment

- Troubleshooting Persistent Chat

After completing this module, students will be able to:

• Explain how to design a Persistent Chat topology.

• Explain how to deploy Persistent Chat.

• Explain how to configure and manage Persistent Chat.

Module 9: Implementing Disaster Recovery in Skype for Business 2015

This module explains the concepts of disaster recovery in Skype for Business 2015. It also explains how to design and implement Pool Pairing and how to plan additional disaster recovery scenarios.

Lessons

- 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

- Configuring Pool Pairing

- Testing the Pool Failover

After completing this module, students will be able to:
• Explain the concepts of disaster recovery in Skype for Business 2015.
• Explain how to design and implement Pool Pairing.
• Explain how to plan additional disaster recovery scenarios.

Module 10: Integrating with Skype for Business 2015 Online

This module explains how to design and deploy Skype for Business hybrid.

Lessons

- Designing Skype for Business Hybrid

- Deploying Skype for Business Hybrid

After completing this module, students will be able to:
• Explain how to design Skype for Business hybrid.
• Explain how to deploy Skype for Business hybrid.

Module 11: Implementing High Availability in Skype for Business 2015

This module explains how to configure DNS and hardware load balancing. It also explains how to plan the high availability for back end servers. Further, it describes high availability solutions for the other components of Skype for Business 2015.

Lessons

- Front End Pool Architecture

- Back End Server High Availability

- High Availability for Other Component Servers

Lab : Designing and Implementing High Availability

- Configuring DNS Load Balancing

- Configuring SQL Always On

After completing this module, students will be able to:

• Explain how to configure DNS and hardware load balancing.

• Explain how to plan the high availability for back end servers.

• Describe high availability solutions for the other components of Skype for Business 2015.

Module 12: Planning and Implementing an Upgrade to Skype for Business 2015

This module describes the upgrade and migration paths from Lync Server 2010 and Lync Server 2013. It also explains how to upgrade a Lync Server 2013 Pool to Skype for Business 2015.

Lessons

- Overview of Upgrade and Migration Paths

- Performing an In-Place Upgrade

Lab : Upgrading Lync Server 2013 to Skype for Business 2015

- Performing an In-Place Upgrade of Lync 2013 to Skype for Business 2015.

After completing this module, students will be able to:

• Describe the upgrade and migration paths from Lync Server 2010 and Lync Server 2013.

• Explain how to upgrade a Lync Server 2013 Pool to Skype for Business 2015.

Module 13: Designing the Skype for Business 2015 Topology

This module describes the high level components and features of Skype for Business 2015 and the purpose of the various Skype for Business administrative tools. It also explains the main components of Skype for Business Online and coexistence with on-premises Skype for Business Servers.

Lessons

- Skype for Business 2015 Overview

- Skype for Business Administrative Tools

- Skype for Business Online

Lab : Designing and Publishing a Skype for Business 2015 Topology

- Planning the New York Server Deployment

- Updating the Topology

After completing this module, students will be able to:

• Describe the high-level components and features of Skype for Business 2015.

• Describe the purpose of the various Skype for Business administrative tools.

• Describe main components of Skype for Business Online and coexistence with on-premises Skype for Business Servers.