

Core Technologies in Microsoft Office Communications Server 2007 R2

5 days

Overview

Module 0: Course Introduction

This module introduces the course and provides some basic information about the history of OCS and the unified communications concept.

- Overview of each Module
- Instructor Led Philosophy
- Manual Conventions
- Manual Components
- Related Courses
- House Keeping
- Instructor and Student Introductions

Module 1: Overview of Unified Communications and OCS 2007 R2

In this module, students learn about Microsoft's unified communications strategy and the general architecture for OCS 2007 R2. Other topics covered in this module include:

- Architecture overview
- Client overview
- Differences between Standard and Enterprise versions of OCS 2007 R2
- Licensing Highlights

Module 2: Deploying OCS 2007 R2

This module covers the installation prerequisites for OCS 2007 R2 that include:

- Preparing for Deployment
- Hardware Recommendation
- Installing an Enterprise Pool
- The OCS 2007 R2 Console
- Configuring Enterprise Pools
- Review Installation and Configuration Changes
- Deploying the Address Book
- Server Role Activation
- User Configuration
- Deploying the Microsoft Office Communicator Client

Module 3: OCS 2007 R2 Roles

This module explains each of the roles and servers in OCS 2007 R2 including:

- Front End Server Roles
- Back End Server
- Other Server Roles
- Global Settings

Module 4: OCS 2007 R2 Architecture and Design

This module provides details about the different OCS Server roles, as well as the network architecture and base designs to consider when deploying OCS 2007 R2. Specifically, topics in this module include:

- Protocols
- Farm Deployment
- External Access
- High Availability and Load Balancing
- Backup and Recovery
- Monitoring

Module 5: OCS 2007 R2 Clients

This module covers the multiple clients and client types that are compatible with OCS 2007 R2. Specifically, the following topics are included in this module:

- Overview of Microsoft Office Communicator (MOC) 2007 R2
- Add and Configure Users
- MOC 2007 R2 Installation and Deployment
- Presence
- Desktop Sharing with MOC 2007 R2
- OCS 2007 R2 Attendant and Delegation
- Response Group
- OCS 2007 R2 Group Chat Client (GCC)
- MOC 2007 R2 Group Policies
- MOC 2007 R2 Logging and Troubleshooting
- Live Meeting 2007 and Conferencing Add-In
- Microsoft Office Communicator Mobile (CoMo) 2007 R2 and Single Number Reach
- Overview of VoIP devices
- Communicator Web Access (CWA)

Module 6: Deploy Remote Access, Audio / Video, and Web Conferencing Edge Servers

This module provides details about extending OCS 2007 R2 for WAN access via Communicator or Web client. Specifically, the following topics are included in this module:

- When to deploy Remote Access Edge Servers
- Functions of Edge Servers
- Planning for Edge Servers
- Installing and Configuring Edge Servers
- When to Deploy Director

- Install and configure a Director

Module 7: Conference Using OCS 2007 R2

This module explains how to set up and manage conferences with OCS 2007 R2. Specifically, topics covered in this module include:

- MOC 2007 R2 Escalation
- MOC 2007 R2 Audio/Video (A/V) Conferencing
- Live Meeting Conferencing
- OCS 2007 R2 Conferencing versus Hosted Live Meeting Conferencing
- Live Meeting 2007, Conferencing Add-In, and Outlook 2007
- Configuring Live Meeting Policies
- RoundTable Conferencing
- Group Chat
- Dial-In Audio Conferencing

Module 8: Monitoring

This module discusses the combination of Monitoring with Archiving and Compliance in one server how it can be used to benefit an organization. Specifically, topics in this module include:

- Compliance overview
- Components of Monitoring
- Installing Monitoring
- Configure and use Monitoring

Module 9: Securing OCS 2007 R2

This module provides in-depth material related to maintaining the security of your OCS 2007 R2 environment. Specifically, the following topics are covered in this module:

- Information Security Overview
- OCS 2007 R2 Security
- Security of Internal Clients
- Security for Remote Clients
- Security of Anonymous Access
- Security of Federated Access
- Security of PIC
- Perimeter Security
- IM Hygiene, Antispam, and Antivirus

Module 10: Troubleshooting and Monitoring

This module provides details about troubleshooting techniques and the performance monitoring counters to consider when managing an OCS 2007 R2 installation. Specifically, this module includes the following topics:

- Performance Monitoring
- Event Logging
- System Monitoring
- Troubleshoot OCS 2007 R2
- Monitoring

Module 11: Telephony and OCS 2007 R2

This module covers the basic concepts of telephony including defining the terminology required before implementing a telephony solution. Specifically, this module includes the following topics:

- Overview of Telephony
- Telephony Terminology
- Introduction to VoIP
- Microsoft Enterprise Voice
- VoIP Components
- Importance of Voice Quality
- Remote Call Control (RCC)

Module 12: Mediation Server Role

This module explains what a Mediation Server does and how it fits into the overall architecture of the unified communications framework. Specifically, topics in this module include:

- Understand the Role of the Mediation Server
- Planning Meeting Gateway
- Media Gateway Deployment Considerations
- Mediation Server Installation
- Mediation Server Configuration
- SIP Trunking

Module 13: Integration with Microsoft Exchange 2007 Unified Messaging and Microsoft Office SharePoint Server 2007

This module provides details about extending OCS 2007 R2 for interaction with Exchange 2007 Unified Messaging and enhancing the collaboration experience with SharePoint 2007. Specifically, topics in this module include:

- Overview of UM
- UM Components
- UM Architecture and Design
- Integration with OCS 2007 R2
- Integration Features with Exchange 2007

Module 14: Speech Server (Self Study)

This module provides details using the Speech Server component to enable voice interaction. Specifically, the topics covered in this module include:

- Overview of Speech Server
- Speech Server architecture and design
- Speech Server installation
- Speech Server configuration

Module 15: Upgrade and Migration from Live Communications Server 2005 – Self Paced Module (Self Study)

This module provides details about upgrading or migrating from Live Communications Server 2005. Specifically, topics covered in this module include:

- Active Directory modifications
- SSL certificate migration or replacement
- Methods for server coexistence
- Methods for server upgrade and migration
- Client coexistence
- Client upgrade