

Microsoft Office Communications Server 2007 – OCS & OCSR2

Vendor Course Code: MSOCSR2

Course Length: 5 days

Overview:

****THIS COURSE IS A COMBINATION OF 5177, 5178 & MICROSOFT OCSR2 COURSES****

This five-day instructor-led course covers instant messaging functionalities, planning and deployment and how to implement and maintain a presence/Video Conferencing and telephony solution using Microsoft Office Communications Server 2007 & Microsoft Office Communications Server 2007 R2. The first part of the course introduces the OCS 07 architecture in the Standard and Enterprise Editions implementation. The focus is on the instant messaging, presence, SIP and Federation features and the role of server components in both standard and enterprise instant messaging solutions. In the second part of this course, the focus is on developing skills and knowledge to plan, deploy and manage audio/visual and Web conferencing in OCS 2007. The final part of the course covers topics relating to the new product release OCS 2007 R2.

Skills Gained:

Key Topics:

5177 – IMPLEMENTING AND MAINTAINING INSTANT MESSAGING USING MICROSOFT OFFICE COMMUNICATONS SERVER 2007

Course Outline:

Module 1: Implementing & Deploying an instant messaging solution by using Office Communication Server 2007 Standard Edition

Office Communications Server 2007 Standard Edition supports an instant messaging solution that provides the users in your organisation with one-to-one instant messaging, group instant messaging, and file transfer. This module describes how to deploy an Instant Messaging solution with Office Communications Server 2007 Standard Edition. The module also introduces the Active Directory design and network requirements, and security requirements that you should consider when planning your deployment. Finally, the module describes how to share Server 2007 Address Book Server, which can be accomplished by using internal sources such as Active Directory distribution lists, or by using external sources such as public instant messaging user accounts.

Lab: Implementing and Deploying an IM Solution by Using Office Communications Server 2007

Exercise 1: Preparing Active Directory for Office Communications Server 2007
Exercise 2: Installing Office Communications Server 2007 Standard Edition
Exercise 3: Securing an IM Solution

Module 2: Using instant messaging and presence information

Office Communications Server 2007 supports three clients: Office Communicator 2007, Microsoft Web Communicator 2007, and Microsoft Mobile Communicator 2007. Office Communications Server 2007 also supports Microsoft Communicator Automation application programming interface (API). These APIs integrate presence and collaboration features in applications and provide enhanced collaboration capabilities to users. This module introduces the client applications and describes how to add new contacts, send instant messages, or find contact information. This module also describes how an Office Communications Server 2007 instant messaging solution enables users to assign presence levels to their contacts, to filter presence information, to find contacts across various application platforms and use this information to communicate and schedule meetings with their contacts.

Lab: Using IM and Presence Information

- Exercise 1: Deploying IM Clients
- Exercise 2: Configuring the Environment for IM
- Exercise 3: Exchanging Instant Messages
- Exercise 4: Configuring Presence Information

Module 3: Implementing & deploying an instant messaging solution by using Office Communications Server 2007 Enterprise Edition

The Enterprise Edition of Office Communications Server 2007 provides a scalable instant messaging solution for real-time communication among users. By using Office Communications Server 2007 Enterprise Edition users can securely access internal servers by using remote user access, connect to external users in a federated external network, and communicate with their instant messaging contacts by using various public instant messaging services and clients. This module introduces students to the steps in implementing an Instant Messaging solution by using Office Communications Server 2007 Enterprise Edition.

Lab 1: Implementing an Enterprise IM Solution in Tailspin Toys:

- Exercise 1: Configuring Internal IM
- Exercise 2: Configuring Internal DNS Records
- Exercise 3: Testing Internal IM
- Exercise 4: Configuring the Access Edge Server
- Exercise 5: Downloading and Validating Certificates
- Exercise 6: Configuring DNS to Support Federation
- Exercise 7: Configuring Federation
- Exercise 8: Testing Federation

Lab 2: Implementing an Enterprise IM Solution in Wingtip Toys:

- Exercise 1: Configuring Internal IM
- Exercise 2: Configuring Internal DNS Records
- Exercise 3: Testing Internal IM
- Exercise 4: Configuring the Access Edge Server
- Exercise 5: Downloading and Validating Certificates
- Exercise 6: Configuring DNS to Support Federation
- Exercise 7: Configuring Federation
- Exercise 8: Testing Federation

5178 Implementing & Maintaining audio/ visual conferencing & web conferencing using Microsoft Office Communications Server 2007

Course Outline:

Module 1: Determining the implementation requirement for on-premise conferencing

The way people work has changed in the last few decades as technology has enabled greater mobility. While this mobility can offer tremendous benefits to both employees and the organisations for which they work, it does present some challenges. The need to communicate effectively with work colleagues does not diminish with distance. If two or more employees need to meet in order to progress a project, collaborate on documents, or simply share ideas, Microsoft Office Communications Server 2007 can enable them to do so by providing support for on-premise conferencing. On-premise conferencing provides a number of benefits over hosted conferencing solutions.

In order to implement Microsoft Office Communications Server 2007, you must make some changes to Active Directory, and deploy additional application servers, such as Internet Information Server, SQL Server 2005, and Exchange Server 2007.

Lab: Preparing Active Directory to Support an On-Premise Conferencing Solution

- Exercise 1: Preparing the Active Directory Schema
- Exercise 2: Preparing the Active Directory Forest
- Exercise 3: Preparing the Active Directory Domain
- Exercise 4: Delegating Setup and Administrative Permissions

Module 2: Implementing and on-premise conferencing solutions but using Office Communications Server 2007 Standard Edition

This module explains how to implement an on-premise conferencing solution by using Microsoft Office Communications Server 2007 Standard Edition. The module also explains how to configure the Microsoft Office Communications Server 2007 Address Book. The module provides an overview of the conferencing components provided by Microsoft Office Communications Server 2007 Standard Edition.

Lab: Implementing an On-Premise Conferencing Solution

Exercise 1: Implementing a Standard Edition Server
Exercise 2: Configuring Server Security by Using Certificates
Exercise 3: Verifying Server Functionality
Exercise 4: Configuring the Address Book Server

Module 3: Implementing and on-premise conferencing solutions by using Office communications Server 2007 Enterprise Edition

The Enterprise Edition of Office Communications Server is better suited to larger organisations as it offers support for more users, and flexible server configuration options. For example, you can install all the Office Communications Server services on a single server, or group of servers; alternatively, you can deploy conferencing components to separate server computers in load-balanced pools. Enterprise Edition provides the capability to more easily scale to support more users as your needs change. In addition, because you must install the SQL Server component on a separate physical computer, you can provide resilience at the back-end by clustering this SQL Server.

Lab: Implementing an On-Premise Conferencing Solution by using Office Communications Server 2007 Enterprise Edition

Exercise 1: Configure Internal DNS Records
Exercise 2: Configuring Edge Servers
Exercise 3: Downloading and Validating Certificates
Exercise 4: Configuring DNS to Support Federation
Exercise 5: Configuring Federation

Module 4: Deploying and Configuring participant clients for on-premise conference

To participate in an on-premise conference, you must typically install some software onto your users' workstation computers. Microsoft provides three client programs for use with Office Communication Server 2007: Office Communicator 2007, Office Live Meeting 2007, and Office Live Meeting Add-In for Office Outlook 2007.

Lab: Configuring On-Premise Conferencing

Exercise 1: Deploying Conferencing Clients
Exercise 2: Configuring User Accounts

Module 5: Working with on-premise web and audio/ video conferencing

Office Communications Server 2007 supports the creation of both scheduled and unscheduled web-conferences by using Microsoft Office Live Meeting Add-In for Office Outlook 2007. Users participating in an on-premise web-conference can collaborate and share their data by using Microsoft Office Communications Server 2007. You can use Group Policies to control how users share their data and to specify additional settings for an on-premise conference.

Office Communications Server 2007 also supports audio/video conferencing. Users can create audio/video conferences by using a variety of hardware components, including Microsoft Office Roundtable.

Lab: Establishing a Web Conference

Exercise 1: Scheduling a Web Conference
Exercise 2: Establish an Unscheduled Web Conference
Exercise 3: Using Group Policies to Configure User and Meeting Policies

MICROSOFT OFFICE COMMUNICATIONS SERVER 2007 R2

Module 1: Architecture, Planning and Deployment

Module Objectives:

Understand the new features in Office Communications Server 2007 R2 (OCS 2007 R2)
Understand OCS 2007 R2 architecture
Understand OCS 2007 R2 deployment planning
Understand OCS 2007 R2 deployment/ migration scenarios

Module 2: IM & Presence

Module Objectives:

Describe Rich-Presence
Features & Benefits of COMO v3
Office Communicator Phone Edition
Understand Office Communicator Enhancements
Group Chat

Module 3: Conferencing

Module Objectives:

Why audio conferencing?
Understand core components
Understand conferencing call flow
Understand dial-in conferencing features

Module 4: Remote Access

Module Objectives:

Explain the key concepts of Office Communications Server 2007 (OCS 2007) R2 Edge roles
Determine the appropriate OCS 2007 R2 Edge topology
Configure Edge/ reverse proxy using best practices
Review common Edge configuration issues

Module 5: Troubleshooting OCS 2007 R2 – Core and Voice

Module Objectives:

Cover Deployment Challenges with OCS R2
Discuss Troubleshooting Tools available
Discuss Advanced Diagnostic Logging with OCS R2
Demo Console Logger & Snooper

Module 6: Voice Architecture

Module Objectives:

Describe OCS 2007 R2 Voice Components
Describe Call Flow
Describe Call Authorisation and Routing
List R2 Voice Features

Module 7: Voice Deployment Scenarios

Module Objectives

List R2 Voice Deployment Scenarios
Deploy Enterprise Voice
Using tools related to Enterprise Voice

Module 8: Unified messaging / Coexistence

Module Objectives

Explain Basic OCS/ UM Interoperability
Define Exchange SP1 Dependencies
Configure OCS/ UM Integration
Explain UM/ OCS Call Flow

Module 9: Developer Platform Overview

Module Objectives

Be able to articulate the value of the UC Platform

Explain why the Microsoft UC Platform is a key differentiator
Understanding that the UC Platform enables innovative scenarios

Target Audience:

The audience for this course is IT Professional infrastructure specialists. This includes real-time communications Technology Specialists and Professional Engineers. In addition, IT Professionals in any job role that interacts with Office Communications Server 2007, Office Communications Server 2007 R2, Microsoft Office SharePoint Server, and Microsoft Exchange Server will benefit from the course.

Prerequisites:

This course requires that you meet the following prerequisites:

- Familiarity with Active Directory and its concepts
- Familiarity with Exchange Server Messaging and its concepts
- Familiarity with Office SharePoint and its concepts

Experience with:

- The 2007 Microsoft Office system or Microsoft Office 2003
- Windows Server 2003
- Networking technologies