

# MOC 50403 - Implementing Active Directory Rights Management Services with Exchange and SharePoint

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## Course duration

- 4 Days

## Course Outline

This four-day Implementing Active Directory Rights Management Services with Exchange and SharePoint training class provides students with the knowledge and skills to deploy Microsoft® Active Directory® Rights Management Services (AD RMS), and to understand the role AD RMS plays in a wider infrastructure and how it interacts with other Microsoft® technologies.

This course is intended for experienced systems administrators who have working experience and background knowledge of Windows Server® 2008, and basic understanding of Active Directory, IIS, Microsoft® SQL Server®, and Microsoft® Exchange Server technologies. Basic knowledge of DNS, general networking, and PKI principles is also helpful.

- Understand AD RMS architecture, and the role the product plays as part of a wider infrastructure.
- Understand the AD RMS interaction model with other Microsoft technologies.
- Install and provision AD RMS and understand installation pre requisites and best practices.
- Understand how several other Microsoft technologies use AD RMS to protect documents and email messages.
- Understand how to use AD RMS on server applications such as Microsoft® Office SharePoint® Server and Microsoft Exchange Server.
- Create, manage, and distribute rights policy templates as AD RMS administrators.
- Understand the different trust relationships that can extend AD RMS protection beyond your infrastructure.
- Troubleshoot common issues in the core infrastructure, product installation, and product usage.

- Working experience and background knowledge of Windows Server® 2008.
- Basic understanding of Active Directory, IIS, Microsoft® SQL Server®, and Microsoft® Exchange Server technologies.
- Basic knowledge of DNS, general networking, and PKI principles is also suggested.

1. Why Rights Management?

1. A Bit of History
2. Business Reasons for AD RMS
3. What AD RMS Does
4. AD RMS Usage Scenarios
5. AD RMS Technology Overview
6. AD RMS in Windows Server 2008 R2 and Windows 7
7. Lab: AD RMS Demonstration
  1. User experience protecting Microsoft Office–based documents.

2. AD RMS Architecture

1. AD RMS Components Overview
2. AD RMS Bootstrapping Process
3. AD RMS Publishing and Licensing Process
4. AD RMS Service Connection Point (SCP)
5. AD RMS Topology
6. AD RMS Components Details

3. AD RMS Installation and Provisioning

1. AD RMS Requirements
2. AD RMS Prerequisites
3. Installing and Provisioning AD RMS
4. AD RMS Server Installation Best Practices
5. Migrating RMS to AD RMS
6. Lab: Creating the AD RMS Service Account
  1. Create an AD RMS Service Account
7. Lab: Installing and Provisioning AD RMS
  1. Install and provision AD RMS

4. Information Rights Management on Desktop Applications

1. Operating System Versions and AD RMS Clients
2. Microsoft Office IRM
3. XPS IRM
4. Windows Mobile 6.0 IRM
5. RM Add-on for Internet Explorer and Rights-Managed HTML (RMH)
6. Office Viewers and AD RMS
7. IRM Client Registry Settings
8. Lab: Protecting and Consuming AD RMS Protected Documents
  1. Protect and Consume AD RMS Protected Documents
9. Lab: Creating and Consuming AD RMS Content Using Microsoft Outlook 2007
  1. Create and Consume AD RMS Content Using Microsoft Outlook 2007
10. Lab: Protecting and Consuming Content Using XPS
  1. Protect and Consume Content Using XPS
11. Lab: Consuming Content Using the Rights Management Add-on for Internet Explorer

1. Consume Content Using the Rights Management Add-on for Internet Explorer
12. Lab: Using Active Directory Security Groups
  1. Using Active Directory Security Groups
5. Rights Policy Templates
  1. Introduction to Rights Policy Templates
  2. Creating Rights Policy Templates
  3. Protecting Content Using Templates
  4. Consuming Content Protected by Templates
  5. Managing Rights Policy Templates
  6. Template Distribution Strategy
  7. Lab: Creating and Using a Rights Policy Template
    1. Create and Use a Rights Policy Template
  8. Lab: Modifying Existing Templates
    1. Modify Existing Templates
  9. Lab: Distribute a Rights Policy Template
    1. Distribute a Rights Policy Template
6. Information Rights Management on Server Applications
  1. Enabling MOSS IRM
  2. Configuring MOSS IRM on Document Libraries
  3. Consuming Content using MOSS IRM
7. Lab: Integrating AD RMS and Exchange Server 2010
  1. Using OWA without Microsoft Exchange IRM integration
  2. Configuring Microsoft Exchange Server 2010 and AD RMS integration
  3. Implementing and validating Microsoft Exchange Server 2010 and AD RMS integration
8. Lab: Integrating AD RMS with Bulk Protection Tool
  1. Use Bulk Protection Tool to decrypt protected content
  2. Use Bulk Protection Tool to Protect content using AD RMS Templates
9. Lab: Protect information Automatically Integrating AD RMS with FCI and Bulk Protection Tool
  1. Setup environment for FCI and AD RMS bulk protection
  2. Create classification property and rules for Contoso documents
  3. Create file management tasks to restrict access to low and high business impact information
  4. Verify FCI and AD RMS bulk protection functionality

## Administering AD RMS

1. The AD RMS Administration Console
2. New AD RMS Administration Roles
3. Rights Account Certificate Policies
4. Exclusion Policies
5. Revocation
6. The Super Users Group
7. Lab: AD RMS Role Separation
  1. Review the AD RMS Role Separation Security Options

8. Lab: Configuring Exclusion Policies
  1. Excluding Internal User Accounts
9. Lab: Configuring the Super Users Group
  1. Create AD RMS-protected content by using Microsoft Office Excel 2007
  2. Enabling and Testing the Super Users Group
10. Lab: AD RMS Reports
  1. Review the AD RMS Reports options
11. Lab: GPO/Registry Override Settings
  1. Configure GPO and Registry Override Settings

## Managing Trust

1. Introduction to Trust Policies
2. Trusted User Domains
3. Trusted Publishing Domains
4. AD RMS and Active Directory Federation Services
5. Windows Live ID Trust
6. Trust Scenarios
7. General Infrastructure Requirements and Product Capabilities
8. Lab: Configuring Trusted User Domains
  1. Export and import the TUD certificate
  2. Verifying AD RMS Functionality
9. Lab: Configuring a Trusted Publishing Domain
  1. Remove the TUD Trust Relationship with Adatum
  2. Bootstrap and Protecting Information Before the Merge
  3. Exporting and Importing the Private Key from the Trusted Publishing Domain
  4. Verifying the Functionality of a Trusted Publishing Domain
10. Lab: Configuring AD FS Trust and user experience
  1. Reset Existing AD RMS Trust
  2. Configure AD RMS Support for AD FS
  3. Adding SPN entries
  4. Configure AD RMS Applications for Federation
  5. Configure the AD FS Client
  6. Verify AD RMS and Federation Functionality

## Extranet Considerations

1. Extranet Access to AD RMS
2. Extranet Access to AD RMS Pipelines
3. Extranet Client Considerations
4. AD RMS and Firewall Options
5. Extranet Scenarios
6. Lab: Configure AD RMS Pipelines
  1. Configure AD RMS Pipelines
7. Lab: Configure Forefront TMG to Publish AD RMS
  1. Configure Forefront TMG to Publish AD RMS
8. Lab: Verify the AD RMS functionality from an Internet Client

1. Verify the AD RMS Functionality from an Internet Client
9. Lab: OWA Consumption
  1. OWA Consumption

#### Deploying and Maintaining AD RMS Infrastructure

1. AD RMS General Performance Guidelines
2. Adding a Server to a Cluster
3. Managing Clusters
4. AD RMS Disaster Recovery
5. Lab: Installing AD RMS Root Certification cluster additional nodes
  1. Installing Network Load Balancing
  2. Configuring the AD RMS cluster for High Availability
  3. Checking the service functionality – tasks
  4. Decommissioning an AD RMS infrastructure

#### Troubleshooting AD RMS

1. Troubleshooting Core Infrastructure
2. Troubleshooting Product Installation
3. Troubleshooting Product Usage
4. Diagnostic Tools
5. Additional Tools

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