

Active Directory Rights Management Services

Duration: 40 Hours (5 Days)

Overview

The Active Directory Rights Management Services (AD RMS) course provides an in-depth look into the world of data protection within the Microsoft ecosystem. It's designed to educate learners on how to secure sensitive business information using robust rights management policies. AD RMS is pivotal in preventing unauthorized access to documents and email, and this course teaches the configuration, implementation, and troubleshooting of AD RMS in various environments. Starting with an overview and moving through the architecture, configuration, and integration with other applications like Exchange, SharePoint, and Office 365, the course equips learners with skills to protect enterprise data effectively. It also delves into best practices, auditing, and reporting mechanisms to ensure a comprehensive understanding of AD RMS. By mastering Active Directory Rights Management Services, learners can ensure that their organization's sensitive information is well-protected against misuse or leakage, keeping data governance strong and compliance with industry standards.

Audience Profile

AD RMS course teaches securing data through policy creation, integration, and troubleshooting, targeting IT security professionals.

- Job Roles and Audience for the Course:
- IT Security Analysts
- Systems Administrators managing AD environments
- Network Administrators with a focus on security
- IT Professionals involved in data protection and compliance
- Security Managers looking to implement AD RMS
- Compliance Officers overseeing data security policies
- IT Consultants specializing in enterprise security solutions
- Information Security Officers
- Technical Support Staff for AD RMS
- Infrastructure Architects designing secure networks
- CTOs and CIOs seeking to enhance data security
- IT Auditors examining internal security measures
- Cybersecurity Specialists
- Enterprise Architects
- IT Project Managers implementing security projects
- Cloud Service Administrators working with Azure or Office 365
- SharePoint Administrators
- Exchange Server Administrators

Course Syllabus

Module 1: Introduction to Active Directory Rights Management Services

- Module 1: Introduction to Active Directory Rights Management Services provides an overview of the
- fundamentals of Active Directory Rights Management Services (AD RMS). It covers topics such as the
- purpose of AD RMS, its components, and how to install and configure it. It also provides an introduction
- to the concepts of digital rights management and how AD RMS can be used to protect sensitive data.

Lessons

- Overview of Active Directory Rights Management Services
- Understanding the Architecture of Active Directory Rights Management Services
- Configuring Active Directory Rights Management Services
- Implementing Rights Management Templates
- Managing Rights Management Policies
- Troubleshooting Active Directory Rights Management Services
- Best Practices for Active Directory Rights Management Services
- Integrating Active Directory Rights Management Services with Other Applications
- Securing Data with Active Directory Rights Management Services
- Auditing and Reporting with Active Directory Rights Management Services

After completing this module, students will be able to:

- Understand the purpose and components of Active Directory Rights Management Services (ADRMS).
- Configure ADRMS to protect documents and emails.
- Create and manage ADRMS templates and policies.
- Implement ADRMS in a Windows Server environment.

Module 2: Understanding Active Directory Rights Management Services Architecture

- Module 2 of the Active Directory Rights Management Services course provides an in-depth look at the
- architecture of Active Directory Rights Management Services (AD RMS). It covers topics such as the
- components of AD RMS, the roles of the AD RMS server, the AD RMS client, and the AD RMS trust
- policy. It also covers the process of setting up and configuring AD RMS, as well as the security and
- privacy considerations associated with it.

Lessons

- Overview of Active Directory Rights Management Services
- Understanding the Components of Active Directory Rights Management Services

- Configuring Active Directory Rights Management Services
- Implementing Active Directory Rights Management Services
- Managing Active Directory Rights Management Services
- Troubleshooting Active Directory Rights Management Services
- Best Practices for Active Directory Rights Management Services
- Integrating Active Directory Rights Management Services with Other Technologies
- Security Considerations for Active Directory Rights Management Services
- Auditing Active Directory Rights Management Services

After completing this module, students will be able to:

- Understand the components of the Active Directory Rights Management Services (AD RMS) architecture and how they interact.
- Identify the different types of AD RMS roles and their associated responsibilities.
- Configure AD RMS to protect sensitive data and documents.
- Implement policies and procedures to ensure the security of AD RMS-protected data.

Module 3: Configuring Active Directory Rights Management Services

- Module 3 of the Active Directory Rights Management Services course covers the configuration of Active Directory Rights Management Services (AD RMS). It provides an overview of the AD RMS architecture,
- explains how to install and configure AD RMS, and covers the various options available for configuring AD RMS. It also covers how to configure AD RMS to protect documents and emails, and how to manage AD RMS users and groups.

Lessons

- Overview of Active Directory Rights Management Services
- Installing and Configuring AD RMS
- Configuring AD RMS Clusters
- Configuring AD RMS Templates
- Configuring AD RMS Policies
- Configuring AD RMS Client Access
- Troubleshooting AD RMS
- Integrating AD RMS with Exchange Server
- Integrating AD RMS with SharePoint Server
- Integrating AD RMS with Office 365

After completing this module, students will be able to:

- Understand the architecture of Active Directory Rights Management Services (AD RMS) and its components.
- Configure AD RMS to protect documents and emails.
- Implement AD RMS templates and policies to control access to sensitive data.

- Monitor and troubleshoot AD RMS issues.

Module 4: Deploying Active Directory Rights Management Services

- Module 4 of the Active Directory Rights Management Services course covers the deployment of Active
- Directory Rights Management Services (AD RMS). It provides an overview of the components of AD
- RMS, how to install and configure the service, and how to manage and troubleshoot the service. It also
- covers how to integrate AD RMS with other services, such as Exchange and SharePoint.

Lessons

- Overview of Active Directory Rights Management Services
- Installing and Configuring AD RMS
- Implementing AD RMS Templates
- Managing AD RMS Security Policies
- Troubleshooting AD RMS
- Integrating AD RMS with Exchange Server
- Integrating AD RMS with SharePoint Server
- Integrating AD RMS with Office 365
- Best Practices for Deploying AD RMS
- Monitoring and Auditing AD RMS

After completing this module, students will be able to:

- Understand the architecture and components of Active Directory Rights Management Services (AD RMS).
- Configure AD RMS to protect documents and emails.
- Implement AD RMS templates and policies.
- Monitor and troubleshoot AD RMS.

Module 5: Managing Active Directory Rights Management Services

- Module 5 of the Active Directory Rights Management Services course covers the management of Active
- Directory Rights Management Services. It provides an overview of the architecture and components of
- the service, as well as how to configure and manage the service. It also covers how to troubleshoot and
- monitor the service, as well as how to integrate it with other services.

Lessons

- Introduction to Active Directory Rights Management Services
- Configuring Active Directory Rights Management Services
- Deploying Active Directory Rights Management Services
- Managing Active Directory Rights Management Services

- Troubleshooting Active Directory Rights Management Services
- Securing Active Directory Rights Management Services
- Integrating Active Directory Rights Management Services with other Applications
- Best Practices for Active Directory Rights Management Services
- Auditing Active Directory Rights Management Services
- Automating Active Directory Rights Management Services

After completing this module, students will be able to:

- Understand the purpose and benefits of Active Directory Rights Management Services (AD RMS).
- Configure AD RMS to protect sensitive data.
- Implement AD RMS templates and policies.
- Monitor and troubleshoot AD RMS.

Module 6: Troubleshooting Active Directory Rights Management Services

- Module 6 of the Active Directory Rights Management Services course covers troubleshooting techniques
- for resolving common issues with the service. It covers topics such as troubleshooting authentication,
- authorization, and encryption issues, as well as how to use the Event Viewer to diagnose problems. It
- also provides guidance on how to use the AD RMS Troubleshooting Tool and how to interpret the results.

Lessons

- Understanding the Rights Management Services Architecture
- Configuring Rights Management Services
- Troubleshooting Rights Management Services Installation
- Troubleshooting Rights Management Services Client Access
- Troubleshooting Rights Management Services Server Access
- Troubleshooting Rights Management Services Certificate Issues
- Troubleshooting Rights Management Services Database Issues
- Troubleshooting Rights Management Services Group Policy Issues
- Troubleshooting Rights Management Services Security Issues
- Troubleshooting Rights Management Services Performance Issues

After completing this module, students will be able to:

- Identify and troubleshoot common Active Directory Rights Management Services (AD RMS) issues.
- Analyze and resolve AD RMS-related authentication and authorization problems.
- Implement best practices for AD RMS deployment and configuration.
- Monitor and maintain AD RMS performance and security.

Module 7: Securing Data with Active Directory Rights Management Services

- Module 7 of the Active Directory Rights Management Services course covers the fundamentals of
- securing data with Active Directory Rights Management Services. It covers topics such as setting up and
- configuring AD RMS, creating and managing rights-protected content, and using AD RMS to protect data
- in the cloud. Additionally, the module provides an overview of the security features of AD RMS and how
- to use them to protect sensitive data.

Lessons

- Introduction to Active Directory Rights Management Services
- Understanding the Role of AD RMS in Data Security
- Configuring AD RMS for Data Protection
- Implementing AD RMS Policies
- Managing AD RMS Security Groups
- Troubleshooting AD RMS Issues
- Best Practices for Securing Data with AD RMS
- Integrating AD RMS with Other Security Solutions
- Auditing AD RMS Usage
- Advanced AD RMS Security Strategies

After completing this module, students will be able to:

- Understand the fundamentals of Active Directory Rights Management Services (AD RMS) and its role in securing data.
- Implement AD RMS to protect sensitive data from unauthorized access.
- Configure AD RMS to control access to documents and emails.
- Monitor and troubleshoot AD RMS to ensure data security.

Module 8: Integrating Active Directory Rights Management Services with Other Technologies

- Module 8 of the Active Directory Rights Management Services course covers how to integrate Active
- Directory Rights Management Services with other technologies. It covers topics such as how to configure
- Active Directory Rights Management Services with Exchange Server, SharePoint, and Office
- applications, as well as how to use the Active Directory Rights Management Services SDK to create custom applications.

Lessons

- Overview of Active Directory Rights Management Services

- Configuring Active Directory Rights Management Services
- Implementing Active Directory Rights Management Services
- Integrating Active Directory Rights Management Services with Exchange Server
- Integrating Active Directory Rights Management Services with SharePoint
- Integrating Active Directory Rights Management Services with Office 365
- Integrating Active Directory Rights Management Services with Windows Azure
- Integrating Active Directory Rights Management Services with Windows Server
- Integrating Active Directory Rights Management Services with System Center
- Troubleshooting Active Directory Rights Management Services

After completing this module, students will be able to:

- Understand the architecture of Active Directory Rights Management Services (AD RMS) and how it integrates with other technologies.
- Configure AD RMS to protect documents and emails.
- Implement AD RMS templates and policies to control access to sensitive data.
- Monitor and troubleshoot AD RMS to ensure secure access to data.

Module 9: Best Practices for Active Directory Rights Management Services

- Module 9 of the Active Directory Rights Management Services course covers best practices for using the service. It covers topics such as setting up and configuring the service, managing users and groups, and troubleshooting common issues. It also provides guidance on how to use the service to protect sensitive data and ensure compliance with security policies.

Lessons

- Understanding the Benefits of Active Directory Rights Management Services
- Planning and Deploying Active Directory Rights Management Services
- Configuring Active Directory Rights Management Services
- Securing Active Directory Rights Management Services
- Troubleshooting Active Directory Rights Management Services
- Best Practices for Active Directory Rights Management Services
- Integrating Active Directory Rights Management Services with Other Applications
- Managing and Auditing Active Directory Rights Management Services
- Automating Active Directory Rights Management Services
- Using Active Directory Rights Management Services for Data Protection

After completing this module, students will be able to:

- Understand the purpose and benefits of Active Directory Rights Management Services (AD RMS).
- Configure AD RMS to protect sensitive data.
- Implement AD RMS policies to control access to data.

- Monitor and troubleshoot AD RMS to ensure data security.

Module 10: Advanced Topics in Active Directory Rights Management Services

- Module 10 of the Active Directory Rights Management Services course covers advanced topics related to
- the implementation and management of the service. It covers topics such as configuring and managing
- the service, troubleshooting, and best practices. It also covers topics such as integrating with other
- services, managing access control, and auditing.

Lessons

- Understanding the Role of Active Directory Rights Management Services
- Implementing and Configuring Active Directory Rights Management Services
- Managing and Troubleshooting Active Directory Rights Management Services
- Securing Data with Active Directory Rights Management Services
- Integrating Active Directory Rights Management Services with Other Technologies
- Best Practices for Deploying Active Directory Rights Management Services
- Advanced Rights Management Services Policies and Templates
- Auditing and Reporting with Active Directory Rights Management Services
- Automating Active Directory Rights Management Services
- Extending Active Directory Rights Management Services with Third-Party Solutions

After completing this module, students will be able to:

- Understand the architecture and components of Active Directory Rights Management Services (AD RMS).
- Configure and manage AD RMS clusters.
- Implement and manage AD RMS templates.
- Troubleshoot and resolve AD RMS issues.