

[RH362]: Red Hat Security: Identity Management and Active Directory Integration

Length : 4 days
Delivery Method : Instructor-led (Classroom)

Course Overview

This course teaches you skills on the most requested Red Hat Identity Management (IdM) capabilities, including Active Directory trusts, multi-product federation, configuration management with Ansible, integrated certificate management, single sign-on, one-time passwords, and cybersecurity policy conformance.

Audience Profile

- Red Hat Certified System Administrator (RHCSA) who wants to learn how to provision and configure IdM technologies across both Linux and Windows applications
- Identity management specialist or engineer
- Access management specialist or engineer
- Web application developer
- DevOps specialist

At Course Completion

1. Impact on the organization

Businesses will be able to integrate and centralize lifecycle management and security policy implementation and enforcement, as well as to extend that consolidated management to additional enterprise configuration management products from the Red Hat portfolio, including Red Hat Ansible Tower and Red Hat Satellite Server.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

2. Impact on the Individual

As a result of attending this course, you will gain an understanding of the architecture of an identity management realm and trusted relationships using both Red Hat Enterprise Linux Identity Management and Microsoft Active Directory. You will be able to create, manage, and troubleshoot user management structures, security policies, local and remote secure access methods, and implementation technologies such as Kerberos, PKI, and certificates.

You should be able to demonstrate these skills:

- Create and manage a scalable, resilient Identity Management realm, including both Linux and Microsoft Windows clients and servers.
- Create and manage secure access configurations, including managing and troubleshooting Kerberos, certificate servers, and access control policies.
- Integrate IdM as the back end for other major enterprise tools in the Red Hat portfolio, including Satellite Server and Tower.

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Pre-Requisites

- Be certified as a Red Hat Certified System Administrator (RHCSA) [Required]
- Be a Certified as a Red Hat Certified System Administrator (RHCE) [Recommended, but not required]
- Attend Red Hat Server Hardening (RH413)

Course Outline

Module 1: Install Red Hat Identity Management

Lessons

- Describe and install Red Hat Identity Management (IdM)

Module 2: Centralize Identity Management

Lessons

- Explain the IdM Server Services, explore IdM clients access methods, and Install an IdM client

Module 3: Authenticate identities with Kerberos

Lessons

- Define the Kerberos protocol and configure service for Kerberos authentication

Module 4: Integrate IdM with Active Directory

Lessons

- Create a trust relationship with Active Directory.

Module 5: Control User access

Lessons

- Configure users for authorized access to services and resources

Module 6: Manage a public key infrastructure

Lessons

- Manage certificate authorities, Certificates, and storing secrets

Module 7: Maintain IdM operations

Lessons

- Troubleshoot and recover Identity Management

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Module 8: Integrate Red Hat products with IdM

Lessons

- Configure major services to share the IdM authentication database

Module 9: Install scalable IdM

Lessons

- Construct a resilient and scalable identity Management topology

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