

## RH362 Red Hat Security: Identity Management and Active Directory Integration

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### Course Summary

#### Description

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.

#### Objectives

At the end of this course, students will be able to:

- Install Red Hat Identity Management servers, replicas, and clients.
- Configure and manage Kerberos authentication and secure services.
- Create and manage a trust relationship with Microsoft Active Directory.
- Configure highly secure user authentication—local and remote—including two-factor authentication.
- Manage secrets, vaults, certificates, and keys.
- Troubleshoot identity management processes.
- Integrate Satellite 6 with IdM.
- Integrate Tower with IdM.
- Configure IdM backup and recovery.

#### Topics

- Install Red Hat Identity Management
- Centralize Identity Management
- Authenticate identities with Kerberos
- Integrate IdM with Active Directory
- Control user access
- Manage a public key infrastructure
- Maintain IdM operations
- Integrate Red Hat products with IdM
- Install scalable IdM

#### Audience

- 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

#### Prerequisites

- Be certified as a Red Hat Certified System Administrator (RHCSA) (required)
- Be certified as a Red Hat Certified Engineer (RHCE) (recommended, but not required)
- Attend Red Hat Server Hardening (RH413)

#### Duration

Five days

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### Course Outline

- I. Install Red Hat Identity Management*
  - A. Describe and install Red Hat Identity Management (IdM).
- II. Centralize Identity Management*
  - A. Explain the IdM server services, explore IdM clients access methods, and install an IdM client.
- III. Authenticate identities with Kerberos*
  - A. Define the Kerberos protocol and configure services for Kerberos authentication.
- IV. Integrate IdM with Active Directory*
  - A. Create a trust relationship with Active Directory.
- V. Control user access*
  - A. Configure users for authorized access to services and resources.
- VI. Manage a public key infrastructure*
  - A. Manage certificate authorities, certificates, and storing secrets.
- VII. Maintain IdM operations*
  - A. Troubleshoot and recover Identity Management.
- VIII. Integrate Red Hat products with IdM*
  - A. Configure major services to share the IdM authentication database.
- IX. Install scalable IdM*
  - A. Construct a resilient and scalable Identity Management topology.