



RED HAT TRAINING

Red Hat Identity Management

Master Red Hat Identity Management (IdM) to secure user authentication and authorization. Learn to deploy and manage enterprise-wide access control.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This Red Hat Identity Management course provides a comprehensive deep dive into centralizing identity, authentication, and authorization services across Red Hat Enterprise Linux environments. Leveraging FreeIPA, an integrated solution built upon established open-source projects like 389 Directory Server, MIT Kerberos, NTP, DNS, and Dogtag Certificate System, participants will gain the expertise to deploy, manage, and troubleshoot a robust identity management infrastructure. The curriculum focuses on hands-on application, ensuring you can confidently establish secure and efficient access controls.

By mastering Red Hat Identity Management, you will significantly enhance your organization's security posture and streamline administrative tasks. The course covers critical aspects such as user and group management, host-based access control, Kerberos authentication, and certificate lifecycle management. This certification is invaluable for IT professionals looking to reduce operational complexity, improve compliance, and enforce consistent security policies across a large number of Linux systems, ultimately leading to more secure and manageable IT operations.

Duration	2 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Introduction to Red Hat Identity Management

- Understanding Identity Management concepts
- Overview of FreeIPA architecture and core components
- Key features and benefits of FreeIPA
- Use cases for centralized identity management in enterprises

02 Module 2: FreeIPA Installation and Initial Configuration

- System requirements and pre-installation considerations
- Performing a basic FreeIPA server installation
- Configuring initial domain and DNS integration
- Enrolling and joining client systems to the FreeIPA domain

03 Module 3: Managing Identities and Access Policies

- Creating and managing users and groups within FreeIPA
- Implementing Host-Based Access Control (HBAC) rules
- Configuring SUDO rules for privileged access management
- Managing services and service principals (Kerberos)

04 Module 4: Authentication and Certificate Management

- Deep dive into Kerberos authentication principles and practice
- Understanding and utilizing the Dogtag Certificate System
- Issuing and managing user and host certificates
- Integrating with SSSD for client authentication and caching

05 Module 5: Replication, Backup, and Troubleshooting

- Setting up FreeIPA replication for high availability and redundancy
- Performing FreeIPA backup and restoration procedures

- Troubleshooting common FreeIPA server and client issues
- Monitoring FreeIPA server health and performance

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Identity and Access Management (IAM) Specialist**
- > **Senior Linux Systems Administrator**
- > **IT Security Engineer (focused on Linux infrastructure)**

FREQUENTLY ASKED QUESTIONS

Q: How will mastering Red Hat Identity Management directly impact my ability to design and implement secure authentication and authorization systems in a corporate Linux environment?

This course provides hands-on experience with FreeIPA, enabling you to centrally manage users, groups, and host-based access controls (HBAC). You'll learn to configure Kerberos authentication, implement SUDO rules, and manage certificate authorities, which are critical skills for establishing robust security policies and ensuring compliance across your Red Hat Enterprise Linux infrastructure, significantly enhancing your security system design capabilities.

Q: What are the essential technical prerequisites recommended for participants to fully benefit from this Red Hat Identity Management course?

While an intermediate understanding is sufficient, participants should be comfortable with fundamental Linux command-line operations, basic networking concepts (IP addressing, DNS), and have a foundational knowledge of authentication principles. Experience with Red Hat Enterprise Linux administration is highly beneficial, as the course dives into managing identities within this ecosystem.

Q: Beyond basic user and group management, what advanced access control mechanisms will I be proficient in implementing after completing this course?

This course goes beyond basic identity management, equipping you with expertise in implementing sophisticated access controls. You will learn to configure Host-Based Access Control (HBAC) rules to restrict service access based on users, hosts, and services, define granular SUDO rules for privileged commands, and manage Kerberos service principals, allowing for fine-grained control over who can access what resources on your network.

ABOUT COMPUTER PRIDE



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