RED HAT ENTERPRISE DIRECTORY SERVICES AND AUTHENTICATION

MANAGE AND DEPLOY DIRECTORY SERVICES FOR RED HAT® ENTERPRISE LINUX® SYSTEMS

VALUE OF TRAINING

Your team is your most valuable asset. By investing in the expertise of your staff, you can ensure optimal system performance, enhance productivity, and mitigate risk. When you include hands-on training from Red Hat as part of your deployment and maintenance strategy, you can maximize the value of your Red Hat technology investment and reach new productivity heights.

COURSE OVERVIEW

Red Hat Enterprise Directory Services and Authentication (RH423) is an intensive course designed to train senior system administrators on the skills required to manage and deploy Red Hat Directory Server on and for Red Hat Enterprise Linux systems. This course also covers cross-platform integration of directory services in order to provide authentication or information services across the enterprise. In addition, students will gain an understanding of the basic concepts, configuration, and management of LDAP-based services. This course also explores PAM, the Pluggable Authentication Modules system, and how it integrates with services that require authentication.

Note: A current RHCE certification is required to take the corresponding certification exam, Red Hat Enterprise Directory Services and Authentication Expertise Exam (EX423).

AUDIENCE

- Experienced Linux system administrators responsible for user account information and secured enterprise authentication mechanisms of one or more Linux systems

- System administrators who have configured directory services and authentication on other operating systems but now want to perform those tasks on a Linux system

- Experienced system administrators wanting to integrate directory service and authentication mechanisms across multiple operating systems

FORMAT	LENGTH	PRICE*
Classroom with exam** RH424	5 days	$3,500 12 training units
Classroom*** RH423	4 days	$3,200 11 training units
Virtual*** RH423VT	5 days	$3,200 11 training units
Exam** EX423	4 hours	$600 2 training units
Team on-sites	Contact a training specialist for a quote at 866-626-2994.	

  * Price subject to change.
 ** You must be an RHCE to qualify for the exam.
*** Course does not include exam. Exam sold separately.

- RHCEs interested in earning a Red Hat Certificate of Expertise, Red Hat Certified Security Specialist (RHCSS) certification, Red Hat Certified Datacenter Specialist (RHCDS), or Red Hat Certified Architect (RHCA).

PREREQUISITE

- Red Hat Certified Engineer (RHCE) certification or equivalent experience

- For candidates that have not earned their RHCE, confirmation of the correct skill set knowledge can be obtained by passing the online skills assessment at **redhat.com/training/skills_assessment/**

COURSE DETAILS

Introduction to directory services
- What is a directory?
- LDAP: models, schema, and attributes
- Object classes
- LDIF

The LDAP naming model

- Directory information trees and Distinguished Names
- X.500 and Internet naming suffixes
- Planning the directory hierarchy

Red Hat Directory Server: Basic configuration

- Installation and setup of Red Hat Directory Server
- Using the Red Hat console
- Using logging to monitor Red Hat Directory Server activity
- Backing up and restoring the directory
- Basic performance tuning with indexes

Searching and modifying the LDAP directory

- Using command-line utilities to search the directory
- Search filter syntax
- Updating the directory

Red Hat Directory Server: Authentication and security

- Configuring TLS security
- Using access control instructions (ACIs)
- ACIs and the Red Hat console

Linux user authentication with NSS and PAM

- Understanding authentication and authorization
- Name service switch (NSS)
- Advanced pluggable authentication modules (PAM) configuration

Centralized user authentication with LDAP

- Central account management with LDAP
- Using migration scripts to migrate existing data onto an LDAP server
- LDAP user authentication

Kerberos and LDAP

- Introduction to Kerberos
- Configuring the Kerberos key distribution center (KDC) and clients
- Configuring LDAP to support Kerberos

Directory referrals and replication

- Referrals and replication
- Single master configuration
- Multiple master configuration
- Planning for directory server availability

Cross-platform centralized identity management

- Synchronizing Red Hat Directory Server with Active Directory
- Managing users with Winbind and LDAP
- Mapping attributes between Linux and Windows

Red Hat Enterprise IPA

- Understanding IPA
- IPA requirements
- Configuring IPA server
- Configuring IPA clients

WAYS TO TRAIN

Whether you need to train a team of IT professionals or just yourself, Red Hat offers a variety of learning styles, delivery methods, certifications, savings programs, and customized solutions to maximize return on your Red Hat Enterprise investment.

- **Classroom training** – Red Hat offers a robust six-month schedule in more than 40 locations across North America.

- **On-site training** – Whether at your offices or hosted in a virtual environment, team training is a proven way to maximize performance and savings.

RED HAT CERTIFICATES OF EXPERTISE™

An RHCE that passes the performance-based Red Hat Enterprise Directory Services and Authentication Expertise Exam (EX423) will have earned a Certificate of Expertise. This Certificate of Expertise counts toward earning a Red Hat Certified Security Specialist (RHCSS), Red Hat Certified Datacenter Specialist (RHCDS), or Red Hat Certified Architect (RHCA) certification.

ABOUT RED HAT TRAINING

Red Hat Training delivers more than 30 Red Hat Enterprise Linux and JBoss® Enterprise Middleware courses and exams. Our award-winning courses are taught by certified instructors and include hands-on labs and performance-based testing. This means your team acquires real-world skills that IT professionals need to manage successful open source infrastructures.

Red Hat is leading the pack with its training program. For the past five years, IDC has consistently ranked Red Hat as a leader in training and certification in its competitive analysis, IDC MarketScape: Worldwide IT Education and Training Vendor Analysis. This third-party study assessed OEMs who offer training and ranked them on strategy and vision.

READY TO TRAIN?

Contact a training specialist

Red Hat training is a critical strategy that helps companies realize the full potential of their IT teams and Red Hat enterprise technology. Contact a member of our sales team or a Red Hat training specialist for assistance designing a training path that is right for your needs.

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