



RED HAT TRAINING

Red Hat Single Sign On Administration Language Course Do313

Master Red Hat Single Sign On administration. Learn to deploy, configure, and manage this critical identity and access management solution effectively.

DURATION

24 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 Single Sign On Administration Language Course (DO313) is meticulously crafted for IT professionals aiming to master the deployment, configuration, and ongoing management of Red Hat Single Sign-On (RH-SSO) within complex enterprise environments. Participants will acquire comprehensive expertise in securing applications and services by implementing robust authentication and authorization mechanisms. The curriculum deeply explores core concepts such as realm management, user and group provisioning, role-based access control, and sophisticated client integration techniques, empowering you to centralize identity management and significantly bolster security across a diverse ecosystem of applications and microservices. Upon successful completion, you will be proficient in establishing a secure, seamless user experience through powerful single sign-on capabilities, effectively mitigating password fatigue and substantially improving an organization's overall security posture. You will learn to integrate various application types, configure external identity providers, manage granular user access, and implement advanced security features including multi-factor authentication (MFA). This invaluable expertise is critical for organizations striving to simplify access management, fulfill stringent compliance requirements, and build a more resilient and efficient IT infrastructure leveraging Red Hat's enterprise-grade identity and access management solution.

Duration	24 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Introduction to Red Hat Single Sign-On

- Understanding Identity and Access Management (IAM) Principles
- Overview of Single Sign-On (SSO) Concepts and Benefits
- Introduction to Red Hat Single Sign-On (Keycloak) Architecture
- Initial Installation and Basic Configuration of RH-SSO
- RH-SSO Components: Server, Database, and Client Adapters

02 Module 2: Realm, User, and Role Management

- Creating and Configuring Security Realms
- Managing Users: Registration, Authentication, and Account Management
- Defining and Assigning Roles and Groups
- Configuring Password Policies and Account Security Features
- Managing User Sessions and Token Lifespans

03 Module 3: Client Integration and Authentication Flows

- Understanding OAuth 2.0 and OpenID Connect (OIDC) Protocols
- Integrating Applications as Clients (e.g., Web, Mobile, API)
- Configuring Standard and Custom Authentication Flows
- Securing RESTful Services with RH-SSO
- Client Scope Management and Fine-Grained Permissions

04 Module 4: Advanced Features and Identity Brokering

- Setting Up Identity Brokering with External Providers (e.g., Social Logins, Corporate Directories)
- Configuring Multi-Factor Authentication (MFA) Methods
- User Federation with LDAP and Active Directory
- Implementing Event Logging and Auditing for Security Compliance

- Client Adapter Configuration for various programming languages

05 Module 5: Securing and Operating Red Hat SSO

- Performance Tuning and Scalability Considerations for RH-SSO
- Backup and Restore Procedures for RH-SSO Data
- Troubleshooting Common RH-SSO Issues and Errors
- Best Practices for Production Deployments and High Availability
- Securing RH-SSO Instances and API Access

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Identity and Access Management (IAM) Administrator**
- > **DevSecOps Engineer with Authentication Service Specialization**
- > **Enterprise Security Architect specializing in Federated Identity Solutions**

FREQUENTLY ASKED QUESTIONS

Q: What are the essential technical prerequisites for enrolling in the Red Hat Single Sign On Administration Language Course Do313?

This course is designed for IT professionals with a foundational understanding of Linux operating systems, basic networking concepts, and experience with web applications. Familiarity with authentication concepts (like LDAP or Active Directory) and security protocols (like HTTP/S) will be highly beneficial, though not strictly required, as key concepts will be reviewed. Some exposure to Java application servers (like JBoss EAP or Apache Tomcat) is also a plus.

Q: How does this Red Hat Single Sign On Administration Language Course Do313 specifically address the integration challenges with other Red Hat products in a real-world enterprise setup?

The Do313 course includes practical scenarios and discussions on integrating Red Hat Single Sign-On with other critical Red Hat technologies. You will learn how to configure client adapters for applications running on Red Hat JBoss EAP, secure microservices deployed on Red Hat OpenShift, and integrate with Red Hat Directory Server. The focus is on practical, hands-on integration strategies to ensure seamless identity and access management across your Red Hat ecosystem.

Q: Beyond core administration, what advanced identity management concepts will I master in the Do313 course to enhance an organization's security posture?

This course goes beyond basic setup to cover advanced topics crucial for robust security. You will master configuring Multi-Factor Authentication (MFA) to strengthen user logins, implementing Identity Brokering to allow users to authenticate with external identity providers (like corporate LDAP/AD or social logins), and setting up User Federation to synchronize with existing user directories. Additionally, you will learn about fine-grained authorization with client scopes and roles, and how to effectively audit security events for compliance.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

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READY TO ENROL?

Take the next step in your technology career.

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