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Sign up

RHSSO Training: Identity and Access Manager
2 days (14 hours)

Presentation

Our Red Hat Single Sign-On or RHSSO training course will teach you how to master this open source identity and access management solution for modern applications and services.

With Red Hat SSO, your unified authentication process will guarantee modern, high-performance control of your user access. We'll show you how to quickly deploy this solution in your systems.

We'll teach you how to install and start a Red Hat Single Sign-On server in stand-alone mode, set up the main administrator user and connect to the RHSSO administration console.

During our RHSSO training course, you'll learn how to create accounts and domains to manage users and applications in order to secure a JBoss EAP server application.

The training will be presented with the latest version of Red Hat Single Sign-On, version 7.6.

Objectives

- Understanding the benefits of RHSSO for unified authentication
- Master the principles of modern user access management
- Learn the key steps to rapid RHSSO deployment
- Efficiently integrate RHSSO into your existing systems

Target audience

- Network administrators
- Operators
- Network architects
- System administrators
- Virtualization administrators

Prerequisites

Red Hat administration experience.

Red Hat Single Sign-On training program

Introduction to Red Hat SSO

- Architecture
- Features
- SAML vs OIDC
- Openshift integration

Demonstrations

- Installing RH-SSO with Openshift
- administrator console, client console and Java application connection
- Scalability with Openshift
- federation with external authentication sources - Gitlab, Twitter,

Domain and user creation

- Domains and users
- Create a domain
- Creating a user
- Account console login

Securing applications and services

- Adjusting the port used by RH-SSO
- Installing the JBOSS EAP client adapter
- Registering the JBoss EAP application
- Modifying the JBoss EAP instance
- Installation of sample code to secure the application
- Application and service security planning
- Using token exchange
- Using OpenID Connect
- Using SAML
- Using the customer registration service

- Automated customer registration with CLI
- Configuring the Docker registry to use RH-SSO

Configuration

- Operating modes
- Subsystem configuration management
- Profiles
- Setting up the relational database
- Using the public host name
- Setting up the network
- Configuring RH-SSO to run in a cluster
- Server cache configuration
- Single sign-on operator

Upgrade

- Single sign-on upgrade
- Upgrading RH-SSO adapters
- Server upgrade
- Version-specific changes

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.