# DO313
# Red Hat Single Sign-On Administration

**Introduction to configuring and managing Red Hat Single Sign-On for authenticating and authorizing applications**

**Course Description**

Red Hat Single Sign-On Administration (DO313) is designed for system administrators who want to install, configure and manage Red Hat Single Sign-On servers for securing applications. Learn about the different ways to authenticate and authorize applications using single sign-on standards like OAuth and OpenID Connect (OIDC). You will also learn how to install and configure Red Hat SIngle Sign-On on the OpenShift Container Platform.

This course is based on Red Hat Single Sign-On version 7.6.

**Course content summary**

- Installing Red Hat Single Sign-On on virtual machines and on OpenShift Container Platform
- Authenticating and authorizing applications using OAuth and OIDC
- Configuring Identity Brokering and user identity federation from external systems
- Configuring password policies

**Audience for this course**

- System Administrators responsible for administering Red Hat Single Sign-On servers.

**Recommended training**

- [Red Hat JBoss Application Administration I](#) is recommended but not required
- Experience with writing web based applications using Node.js, HTML5, Quarkus, or Java EE/Jakarta EE is recommended but not required.

**Outline for this course**

- **Introduce Red Hat Single Sign-On**
  Identify the main components of Red Hat Single Sign-On

- **Install and Configure Red Hat Single Sign-On**
  Identify the best option for installing and configuring RHSSO depending on the infrastructure

- **Authentication and Authorization**
  Configure authentication and authorization for applications

- **Identity Brokering and User Federation**
  Configure RHSSO to secure applications from multiple identity providers by using user federation and social logins

- **Red Hat Single Sign-On on OpenShift**
  Install and configure Red Hat Single Sign-On on OpenShift

**As a result of attending this course,** students will understand how to use Red Hat Single Sign-On to configure, manage, and troubleshoot authentication and authorization security policies for business-critical applications.

Students will learn how to install, configure and manage an instance of Red Hat Single Sign-On on bare metal, virtual machines and OpenShift, and configure authentication and authorization security policies for applications.