

Automate Lifecycle Management with SCIM



Course overview

Looking to integrate automated user provisioning into your applications? In this course, developers learn to facilitate fast, enterprise-wide deployment of their application by integrating Okta or other IdP for user provisioning using the System for Cross-domain Identity Management (SCIM) standard.

You will learn about the SCIM standard and how to use it with Okta to automate user lifecycle management in your applications. Beginning with an architectural overview, we discuss common user mastering and provisioning scenarios, how to facilitate data mappings, and how to design data flows. You will also learn about SCIM supported group management operations to further streamline and automate user management. Through a series of hands-on labs, you will develop an end-to-end SCIM-compliant provisioning solution, using Okta as the identity management provider.

We will discuss common business and technical use cases, workflows, testing, troubleshooting, and best practices.

Who should attend

- Developers
- Architects
- Technical Project Managers
- OIN Partners

Prerequisites

- Understanding of REST integration concepts, such as HTTP and JSON
- Experience with Java, Python, or another object oriented programming language

Format

- Instructor-led with hands-on labs
- Duration: 1 day
- Delivery: Virtual (public or private); Onsite (private)

Setup requirements

- Students use their own computers.
- Okta provides access to an Okta tenant + virtual machine to complete the labs.

Learn how to:

- Describe the SCIM standard HTTP operations and JSON payloads.
- Understand how Create, Read, Update, and Delete (CRUD) operations relate to provisioning activity.
- Incorporate best practices of user model design.
- Configure applications in Okta to support user lifecycle events.
- Design and develop a SCIM server to integrate with a SCIM-compliant identity provider such as Okta.
- Use Runscope to test and debug SCIM requests.
- Publish a SCIM-enabled application connector to the Okta Integration Network.

Course outline

1: Describe SCIM and Provisioning

Describe the SCIM Standard and Capabilities
Describe the Provisioning Options

2: Implement User Data Models

Describe the Okta User Data Model
Describe the SCIM Server User Data Model and Design
Return SCIM User Resources in JSON
Transform Data in Okta

3: Configure Authorization

Describe the Okta User Data Model
Describe the SCIM Server User Data Model and Design
Return SCIM User Resources in JSON
Transform Data in Okta

4: Manage Lifecycle Operations

Import Users
Create Users
Update User Attributes
Deactivate Users
Synchronize Passwords
Interpret SCIM Errors

5: Build a SCIM Server

Build a SCIM Server
Design a SCIM Server
Test and Troubleshoot a SCIM Server

6: Publish Your Application Connector to the OIN

Describe the OIN
Describe SCIM Program Resources