



Okta Education Services

WHO SHOULD ATTEND

- Developers
- Architects
- Technical Project Managers
- ISV and Okta Partners

PREREQUISITES

- Understanding of REST API concepts, such as HTTP and JSON
- Experience with Java 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.

Questions? Contact
training@okta.com

Sign up at
okta.com/training

Automate Lifecycle Management with SCIM

Learn how to integrate your application user management with Okta or other Identity Providers leveraging the System for Cross-domain Identity Management (SCIM) standard.

This intensive course starts with an introduction to lifecycle management, SCIM, and hands-on labs where you implement SCIM endpoints in a custom app while maintaining backwards compatibility to an existing user management APIs. Next you integrate your custom app with Okta to provision users and groups.

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

LEARN HOW TO:

- Define SCIM and when to use it.
- Compare SCIM APIs and REST APIs.
- Leverage the SCIM standard to automate the user lifecycle in your applications.
- Design a SCIM Server and add support to Create, Read, Update, and Delete (CRUD) users and groups.
- Support SCIM metadata, custom attributes, and custom schemas.
- Recognize best practices when integrating SCIM applications with identity management solutions like Okta.
- Describe how to integrate your SCIM server with Okta to import users (Application as Master).
- Integrate your SCIM server with Okta to provision and manage app users and groups.
- Test and publish your SCIM server in Okta Integration Network (OIN) for public consumption.

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COURSE OUTLINE

MODULE 1: Introduction to Lifecycle Management and SCIM

- Describe the SCIM Standard and Capabilities
- Describe the Provisioning Options supported by Okta

MODULE 2: Read Users with SCIM

- Recognize the User Data Model
- Compare a User Payload in SCIM vs REST
- Describe SCIM URLs, Identifiers, Meta information, Authorization, query parameters, and List Responses
- Use the SCIM User Core and Custom Schemas and Attributes
- Return users in SCIM format

MODULE 3: Read Groups with SCIM

- Recognize the Group Data Model
- Compare a Group Payload in SCIM vs REST
- Compare SCIM Group and SCIM User
- Return groups in SCIM format

MODULE 4: Write Users with SCIM

- Compare Create User in SCIM vs REST
- Describe the Logic for creating, updating, and deleting Users in SCIM
- Compare a Patch operation in SCIM vs REST
- Describe and Implement the SCIM PatchOp
- Implement code to Create, Update, and Delete users with SCIM

MODULE 5: Write Groups with SCIM

- Compare Create Group in SCIM vs REST
- Describe the Logic for creating, updating, and deleting Groups in SCIM
- Compare write SCIM Groups and Users
- Implement code to Create, Update, and Delete Groups with SCIM
- Describe SCIM Error Handling and Configuration endpoints

MODULE 6: Configure Account and Group Provisioning with Okta and a Custom App

- Describe Application Mastering and Provisioning
- Implement Provisioning with Okta and SCIM
- Customize Provisioning Attributes and Mappings
- Import accounts and groups
- Manage accounts, groups, and membership
- List resources to publish your app on OIN
- Test your app for publishing on OIN

BONUS: Configure Profile Mastering with Okta and a Custom App

- Describe Application Profile Mastering
- Implement Profile Mastering with Okta and SCIM

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ABOUT OKTA

Okta is the foundation for secure connections between people and technology. By harnessing the power of the cloud, Okta allows people to access applications on any device at any time, while still enforcing strong security protections. It integrates directly with an organization's existing directories and identity systems, as well as 4,000+ applications. Because Okta runs on an integrated platform, organizations can implement the service quickly at large scale and low total cost.

More than 2,000 customers, including Adobe, Allergan, Chiquita, LinkedIn, MGM Resorts International, and Western Union, trust Okta to help their organizations work faster, boost revenue, and stay secure.

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