Development Guide

IM.apigee Interoperability

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## Document Control

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### Reviewers

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## Overview

The System for Cross-domain Identity Management (SCIM) specification is designed to make managing user identities in cloud-based applications and services easier. The specification suite seeks to build upon experience with existing schemas and deployments, placing specific emphasis on simplicity of development and integration, while applying existing authentication, authorization, and privacy models. Its intent is to reduce the cost and complexity of user management operations by providing a common user schema and extension model, as well as binding documents to provide patterns for exchanging this schema using standard protocols. In essence: make it fast, cheap, and easy to move users in to, out of, and around the cloud.

### Specification

The following specifications are taken in account to depict the interoperability of the provided SCIM Service by Pivotal Cloud Foundry (PCF) User Account and Authorization (UAA).

1. HTTP
2. SCIM 2.0
3. SCIM 1.1
4. SCIM 1 (deprecated)
5. Cloud Foundry API

#### HTTP

Internet Engineering Task Force (IETF)

1. [Hypertext Transfer Protocol (HTTP/1.1): Semantics and Content](https://tools.ietf.org/html/rfc7231)

#### Apigee Egde for Private Cloud

1. [Overview](https://docs.apigee.com/private-cloud/v4.18.01)
2. [REST API Organization administration](https://apidocs.apigee.com/docs/organizations/1/overview)
3. [REST API User administration](https://apidocs.apigee.com/docs/users/1/overview)

## Compliance

|  |  |
| --- | --- |
|  | Important: |
| Any user can have multiple roles in multiple organizations. |

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| --- | --- |
| Will it be a compliance issue in terms of SoD if a user is a manager of an organization and a developer in the same organization? |

## Interoperability

### Authentication

#### Directory Service

apigee use its own internal LDAP for authentication and authorization. For this purpose, it can also use an external directory service.

|  |  |
| --- | --- |
|  | Important: |
| apigee can **only** use a LDAP |

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| --- | --- |
| apigee isn’t able to be part of an SSO scenario! |

#### SAML

|  |  |
| --- | --- |
|  | Important: |
| **This is the beta release of self-service SAML**.  To learn more about the Apigee release phases, see [Apigee Release Stages](https://docs.apigee.com/release/release-stages).  Self-service SAML is available in the Edge UI; it is not available in the Classic Edge UI. |

### API’s

apigee doesn’t provide a search API for any resource that allows:

* Pagination
* Filter

The only supported functionality provided is the GET method for a resource type that returns the whole population of the resource type keys. This leads to a second request for every particular resource to obtain the details.

| D:\tt\icon-restrict-16.png | Restrict: |
| --- | --- |
| More than ugly! |