

SCIM Server Certification

Identity+ Alliance Partner: Wallix

This document summarizes the findings of a SCIM server certification performed by the Identity+ Alliance for Wallix. The tests focus on supported functionality defined by Wallix. The System for Cross-domain Identity Management (SCIM) is an open API built on standard web requests. SailPoint Technologies' IdentityIQ product contains built in functionality to communicate in a bidirectional manner with SCIM enabled systems. The tests performed as part of this certification focus on both the underlying RESTful endpoints defined, as well as IdentityIQ's ability to function in an 'out of the box' manner with the SCIM server. Additional 'performance' tests provide insight into the aggregation speed of the IdentityIQ to SCIM server connector.

Document Revision History

Revision Date	Written/Edited By	Comments
6/4/18	Prashant Kagwad	Initial creation
6/4/18	Adam Creaney	Review

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Overview

Partner/Implementer	Target System	Contact Email	Date Certified	Reviewer
Wallix	Bastion	Guillaume Le Bihan <glebihan@wallix.com>	6/4/18	PK

General Comments

- Wallix SCIM server supports BASIC authentication only.
- Wallix SCIM server does not support bulk updates, etag, sort & patch operations.
- Wallix SCIM server does not support PrivilegedDataPermission endpoint.
- Deletion of a Container will return an error message if there is an existing ContainerPermissions linked to it.

Overall Test Status: Passed

The SCIM server passed all tests relevant to the documented functionality.

Tests

The following tests were performed on the SCIM server at: <https://scim.wallix.com/scim/v2/>

Endpoint Testing

The following endpoints were tested, with the results listed in the second column. Anything marked with an N/A was not tested as documentation indicated that it was not supported.

Endpoint	Result
GET /Schemas	Pass
GET /ResourceTypes	Pass
GET /ServiceProviderConfig	Pass
GET /Users	Pass
POST /Users	Pass
PUT /Users	Pass
PATCH /Users	N/A
DELETE /Users	Pass
GET /Groups	Pass
POST /Groups	Pass
PUT /Groups	Pass

PATCH /Groups	N/A
DELETE /Groups	Pass
GET /Containers	Pass
DELETE /Containers	Pass
GET /ContainerPermissions	Pass
DELETE /ContainerPermissions	Pass
GET / PrivilegedData	Pass

Comments:

- Need to delink all ContainerPermissions before deleting a Container.

Application Testing

Application consists of creating an Application definition inside of IdentityIQ, and configuring it to communicate with the backend SCIM server. Any supporting provisioning policies that are required were created and used for the create/delete/enable/disable tests.

Functionality	Result
Account Aggregation	Pass
Group Aggregation	Pass
Account Provisioning Create	Pass
Account Provisioning Delete	Pass
Account Provisioning Enable/Disable	Pass
Group Provisioning Create	Pass
Group Provisioning Delete	Pass
Group Provisioning Enable/Disable	Pass

Performance Testing

Simple performance metrics were taken during aggregation, to get an idea of expected performance in the field. The results here do not indicate good vs bad, but are provided for documentation.

Metrics	Result
Account aggregation	Avg 22.02 records per second 1st Run – 12:12 for 10 accounts 2nd Run – 9:42 for 50 accounts 3rd Run – 9:58 for 100 accounts
Group aggregation	Avg 19.02 records per second 1st Run – 5:54 for 10 groups 2nd Run – 6:48 for 50 groups 3rd Run – 6:56 for 100 groups

Documentation

Documentation was reviewed for completeness and correctness. Documentation is located - <https://scim.wallix.com/scim/doc/index.html>