

# IETF 112

## System for Cross-Domain Identity Management (SCIM) WG Meeting

November 11, 2021

Nancy Cam-Winget

**This session is being recorded**

IETF 111  
hosted by  
Ericsson

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/>(Privacy Policy)

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# IETF 112 Online Meeting Tips

- Make sure your video is off unless you are chairing or presenting during a session
- Mute your microphone unless you are speaking
- Use of a headset is strongly recommended
- Session bluesheet is automatically generated based on IETF Datatracker logins
- Chatrooms in Meetecho are connected to the Jabber chatrooms on IETF Datatracker agenda
- More information and assistance:
  - Meetecho Participant guide  
<https://www.ietf.org/how/meetings/technology/meetecho-guide-participant/>
  - Request assistance and report issues via: <http://www.ietf.org/how/meetings/issues/>

# Living the IETF Code of Conduct

## **Reminder of key points of the Code of Conduct [RFC 7154]**

1. IETF participants extend respect and courtesy to their colleagues at all times.
2. IETF participants have impersonal discussions.
3. IETF participants devise solutions for the global Internet that meet the needs of diverse technical and operational environments.
4. IETF participants are prepared to contribute to the ongoing work of the group.

# Welcome to the SCIM WG

## Chairs

- Nancy Cam-Winget [ncamwing@cisco.com](mailto:ncamwing@cisco.com)

## Jabber Scribe

- [scim@ietf.jabber.org](mailto:scim@ietf.jabber.org)

## Minutes

- <https://datatracker.ietf.org/meeting/112/session/scim>

## Meeting Material

- <https://datatracker.ietf.org/meeting/112/session/scim>

## Meetecho

- <https://meetings.conf.meetecho.com/ietf112/?group=scim&short=&item=1>

# Agenda - Thursday November 11, Session I

Room 1 Time zone: UTC

12:00 : 12:05 (5 min)

Agenda Bash & Logistics

Chair: Nancy Cam-Winget

12:05 : 12:10 (5 min)

Charter and Milestone (markers) review

Nancy Cam-Winget

12:10 : 12:40 (30 min)

SCIM Introduction & Existing Spec Review (RFC 7643/7644)

Janelle Allen and Danny Zollner

12:40 : 13:10 (30 min)

Use Cases & Concepts (Updating RFC 7642)

Pamela Dingle

13:10 : 13:25 (15 min)

Multi-value Filtering Extension ([draft-hunt-scim-mv-filtering-00.txt](#))

Phil Hunt

13:25 : 13:45 (20 min)

SCIM Extensions ([draft-zollner-scim-domain-extension/](#) and [draft-zollner-scim-roles-entitlements-extension/](#))

Danny Zollner

13:45 : 13:55 (10 min)

Tooling and Next Steps

Chair: Nancy Cam-Winget

# Charter Review: <https://datatracker.ietf.org/wg/scim/about/>

The System for Cross-domain Identity Management (SCIM) specifications provide an HTTP-based protocol (RFC7643) and schema (RFC7644) that makes managing identities in multi-domain scenarios easier. Since its publication in 2015, SCIM has seen growing adoption.

The first goal of this working group is to incorporate implementation experience; errata and interoperability feedback; and current security and best practices into a revised version of RFC7643 (protocol) and RFC7644 (base schema) suitable for consideration at the Internet Standard level of specification maturity.

Additionally, implementation experience with SCIM has surfaced new use cases and requirements. The WG will document them in a revision of RFC7642. The WG will also consider publishing extensions to SCIM that have found broad adoption.

These extensions may include profiles and schemas for interoperability in additional use cases. The scope of work for the SCIM WG is:

- \* Revision of RFC7642 that will:
  - \* Focus on Use cases and implementation patterns
  - \* Pull vs. Push based use cases
  - \* Events and signals use cases
  - \* Deletion use cases
  - \* New use cases may be added to the revised RFC
- \* Revision of RFC7643 and RFC7644 that will include:
  - \* Profiling SCIM relationships with other identity-centric protocols such as OAuth 2.0, OpenID Connect, Shared Signals, and Fastfed
  - \* Updates to the evolution of the externalid usage
  - \* Updates to account state for capturing context of the state or change in state of the users account
  - \* Multi-Value Query Filtering and Paging (will use draft-hunt-scim-mv-paging as input)
  - \* Define a method for coordinating resources between domains:
    - \* Incremental approach to synchronization
    - \* Consider building off of RFC8417 and draft-hunt-idevent-scim
  - \* Support for deletion-related goals including:
    - \* Handling Deletes in SCIM Servers that don't allow Deletes (Soft Deletes) (will use draft-ansari-scim-soft-delete as input)
  - \* Support for advanced automation scenarios such as:
    - \* Discovery and negotiation of client credentials
  - \* Attribute mapping
  - \* Per-attribute schema negotiation
  - \* Enhance the existing schema to support exchanging of human resources, enterprise group and privileged access management (will use draft-grizzle-scim-pam-ext as input)

# Milestone Markers

Jun 2023	Progress I-D revising RFC7644 to WGLC
Jun 2023	Progress I-D revising RFC7643 to WGLC
Jun 2023	Progress I-Ds for coordination/synchronization between domains to WGLC
Mar 2023	Progress I-Ds (either new or existing) for privileged access management to WGLC
Dec 2022	Progress I-Ds for Multi-valued paging to WGLC
Dec 2022	Progress I-Ds for Soft Delete to WGLC
Jun 2022	Working group adoption of I-D revising RFC7644
Jun 2022	Working group adoption of I-D revising RFC7643
Jun 2022	Progress I-D revising RFC7642 to WGLC
Mar 2022	Working Group adoption of I-Ds for coordination/synchronization between domains
Mar 2022	Working group adoption of I-Ds for Multi-valued paging
Mar 2022	Working group adoption of I-Ds (either new or existing) for privileged access management
Dec 2021	Working group adoption of I-Ds for Soft Delete
Dec 2021	Working group adoption of I-D for revising RFC7642



# Tooling

## Using GitHub for SCIM adopted documents:

- Allows open document review, version control and issue tracking
- IETF Guidance is in [RFC 8874](#)
- Tutorial can be found in: <https://ietf-gitwg.github.io/>

## Other communication Channels:

- SCIM mail list is the means to gain consensus

# Next Steps

1. Does the SCIM WG agree to using GitHub?
  - Yes
  - No
  
2. Does the SCIM WG wish to continue with virtual interims?
  - a) No
  - b) Every 2 weeks
  - c) Every 4 weeks

# Next Steps

- Is there interest in using “free” Slack as another channel (e.g. 10K message limit)?
  - Yes
  - No

Thank You!