

# SCIM Schemas and Protocols Work

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Danny Zollner & Janelle Allen

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# Current Charter

- Charter: <https://datatracker.ietf.org/wg/scim/about/>
- Progressing SCIM 2.0 from Proposed standard -> Internet standard
  - Is there significant value here?
  - What level of error correction, clarity enhancement is permissible without issuing a new version and RFC series?
- Charter proposes a lot of schema and protocol enhancements
  - Types of changes proposed in charter require new RFCs
    - SCIM vNext- 2.1 or 3.0?
    - Or do we progress 2.0 to Internet Standard and extend with extension RFCs?

# Work proposed in charter

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)

# IETF SCIM WG GitHub

- New repos created for schema and protocol/API work
  - <https://github.com/ietf-scim-wg/draft-ietf-scim-core-schema>
  - <https://github.com/ietf-scim-wg/draft-ietf-scim-api>
- Errata, ambiguity clarification to be proposed via GitHub issues
  - Enables per-issue discussion on possible solutions
- Work on 2.0 Proposed -> Internet Standard should be separated in GitHub from work on SCIM vNext
- 2.0 edits directly in XML, vNext drafting/editing in Markdown/Kramdown

# Papercuts for schemas and protocol

- Survey on implementation of concepts proposed for being cut
  - Have concepts been successfully implemented in a way that allows cross-platform interoperability to occur?
  - Are some concepts outdated, insecure, not in alignment with use cases?
    - Basic auth
    - Passwords
    - Photos
    - (Open to other nominations for concepts to consider cutting)

# XY Problem

- Are some concepts useful but potentially outside of the scope of what the SCIM standard aims to address?
  - Some decisions on cuts and edits to 2.0 should wait until after use cases are revised
- Is work to revise use cases targeted at 2.0, vNext(2.1/3.0/etc) or both?

# Recap

- How big of changes can we make while remaining SCIM 2.0?
- Bigger changes – new version or a (long) series of extensions?
- Do we push back schema/protocol milestones to wait for use cases?