SCIM Notes July 29, 2021

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Note-taker: Kristina Yasuda

What is SCIM? Phillip Hunt and Nick Wooler

SCIM characteristics (started note-taking in the middle)

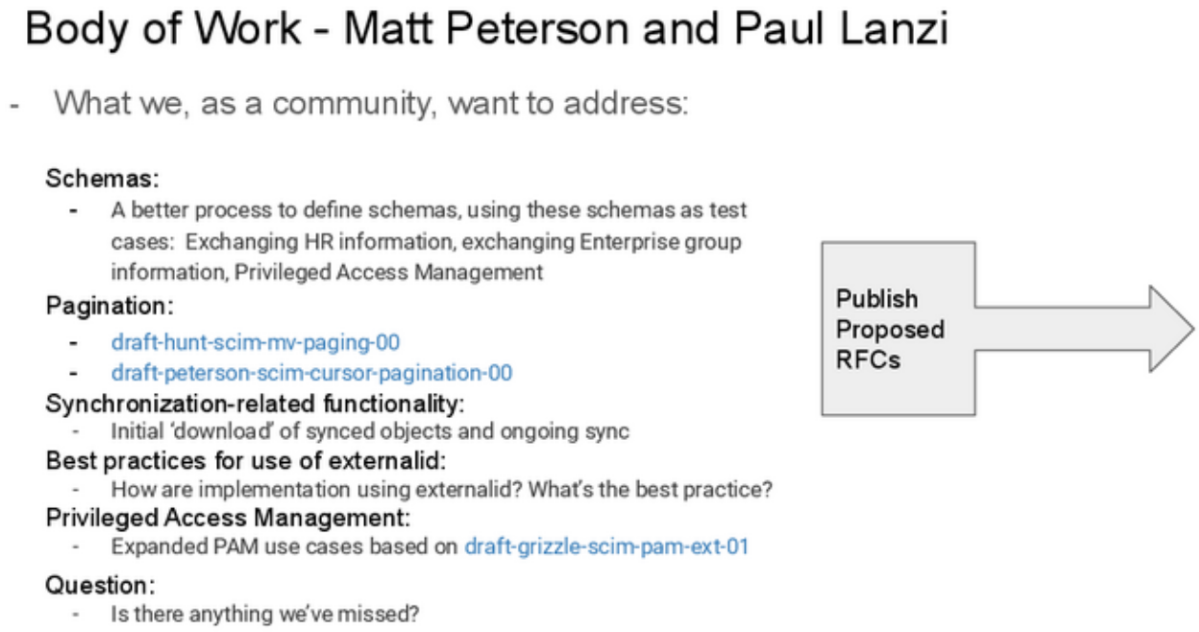
- HTTP
- Robust
    - going cross-domain, not every attribute interest to all domains
    - free to ignore an attribute
    - leads to flexibility

SCIM 3.0?

- SCIM structure
    - resource: users and groups
    - how to extend the users to enterprise
    - schema as a generic document handler
    - schema extension allows for local customizations
    - extensions to IoT/password managers
- Who is using it
    - 65k+ simple-cloud.info - not all registered

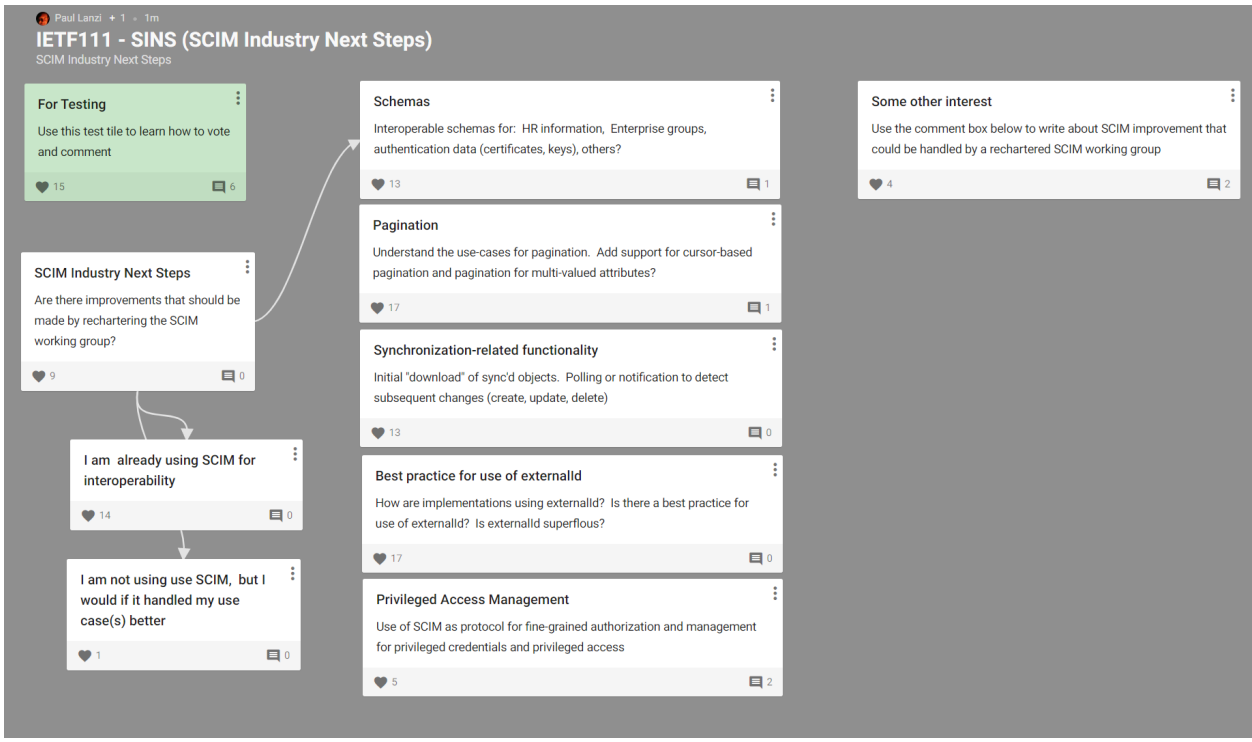
Body of Work P.Lanzi, Matt Peterson

- What we want to address



- want to take to publication, since mature specifications
- Collaboration tool for input/feedback
    - https://padlet.com/paulpad1/ietf111_sins
    - Answer by commenting on the questions
    - vote by Liking the improvements you think are important
        - categorized following the conversation in the ML
    - Pagination: handling large datasets
        - all members of the group
    - synchronization-related functionality
        - SCIM client wants to keep local copy of the information they retain
        - popular for IDM systems/application that need to enforce authz based on the objects they retrieve using SCIM
        - another use-cases: entire users are deleted/group memberships are removed
    - RFC7643: externalId
        - want to head more scenarios - can be confusing how to use it
        - do we need externalId?
    - PAM (priviledged access management)
        - use SCIM to grant access

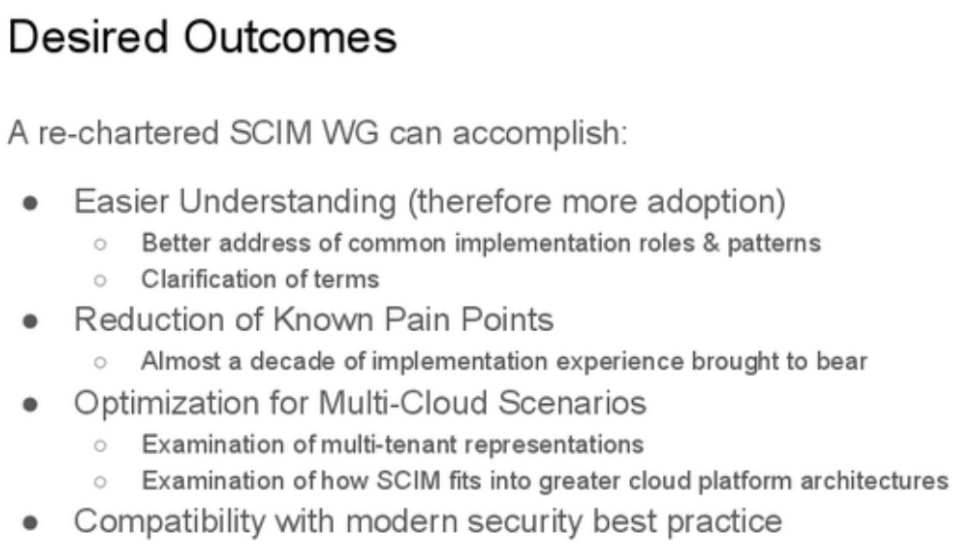
        - SCIM not good enough for this?
    - some other interest

- How the likes/comments looked like at the point of presentation
    - 

- Comments
    - SCIM might help with IoT
    - why is SCIM restricted to users/roles? Can't we publish entitlements?
        - other entitlements provisioned in the same way
        - any role assignment within cloud provider that grants access to the users/groups needs to be done through API - no SCIM
    - Inconsistencies
        - missing best practices/profiling
    - people free to define whatever schema - can IANA register if wish
    - SCIM defined roles
    - how to extent to add metadata such as expiry dates
        - now will define an enterprise group that will carry all metadata
        - ppl just add the object and off you go
    - interop tests if schemas are better refined - scaling
    - security piece - HR schema

        - advantage to make requirements around

Proposed Charter - Pam DIngle



- can help adoption in the changed world
- papercuts of the small things that prevent easierconnection

How could this charter unfold (priority list)

- CAVEAT: this is a non-WG forming BoF, but if enough interest can proceed to WG formation - please comment

1. change the language to be more modern
    - ex) few cloud providers to be talking to each other, new use-cases, etc.
    - clarify - ex) SCIM client that pushes/pulles, etc.
2. any changes in core language
    - ex) security review - how to get an OAuth key
    - need implementor's pain feedback
3. schema workshopping
    - specialized participation
4. extension breakouts
    - to prevent fragmentation of the conversation
5. interop testing

    - make sure they occur, so that developers do not need to guess

Next steps

- Need to be careful with starting schema standardization
    - implementations do a lot of private schemas
    - might get us stuck in details as each company has separate definitions
    - a world where you can use your own schema in a standardized way on top of the schemas built into the vendor products: ex - EDU space
- Moving SCIM spec into standard vs extensions and changes - seems conflicting
    - for example, compatibility with SCIM 1.0?
- how much do we want to work on synchronization?
    - how tight do you want synchronization to be?
    - we might not be ready to work on solid concept yet, need a strong use-case document that describes the requirements?
    - for example, paging described as a solution to synchronization - dumbing data so becomes expensive when you pay for bytes
        - potentially - basing off identity/security events -> going to event notification rather than synchronization
        - proposal to add to charter “work on notification mechanism in SCIM that can be used for synchronization”
    - worth building consensus on agreeing on the problem first
    - collection of SCIM services in imp, but want to avoid being pulled by specrum of protocols from LDAP days
- Enough authors :)
- Anyone opposed to a WG chartered along this charter?
    - no one
- No IAB questions

How to proceed

1. Clarify what body of work is needed
2. how we prioritize it

- Slightly refine the charter, prioritize and proceed to the WG
    - have a WG with the same name?

discussion continues at scim@ietf.org

- https://www.ietf.org/mailman/listinfo/scim