SCIM WG Discussion
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Phil Hunt

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Directory and SCIM

- Should today's directories evolve to support SCIM?
  - Yes, it seems inevitable
- What might this mean?
  - Current LDAPv3 clients do not need full SCIM schema
  - SCIM could be a new Access Protocol for Directories
  - SCIM+Directory should focus on current SCIM protocol
    - Not an exercise to port LDAPv3 to REST. Use REST!
  - Directories will need to support complex attributes
    - Profile for LDAPv3 limited complex support
    - E.g. use telephonenumber;work to reference a work/home/other
    - Some data may only be visible to SCIM clients
  - No interest in LDAPv4 to support complex attributes
  - Transfer between directories via SCIM for full fidelity

SCIM Path Discussion

- Several things now impacting path URIs
  - Tenancy – desire to indicate tenancy using URL (as opposed to a tenancy implied by credential)
    - An account may access one or more tenancies
  - Targeting – the ability to reference a specific application type
  - "Users" are too general anyway
  - Object types may expand
  - Ability to query for any object under "/"

SCIM Path Cont'd

- Conclusion: tying object type to a "parent" object may not be that useful though it is common REST practice
  - More often will want to query by extended object type
    - E.g. "WindowsUser" or "CRMuser"
- Suggestion:
  - Require objectIds to be unique
  - Any object can be retrieved modified at "root"
  - Use paths more as broad filters (tenancy/target)
  - Shortcuts: /me points to object associated with current security credential
  - JSON modified so that outer structure defines top-level object type
    - Less confusing when looking at JSON structure on its own

Other Questions

- Ability to Query using POST
  - URL based queries create confidentiality issues (e.g. logs)
  - URL ? params may be subject to injection attacks
- REST "minimum" Profile
- Add & Replace
  - Why not combine in "PUT"
  - Minor difference is resource identifier
- POST
  - Re-work POST to accommodate query and bulk?