SCIM WG Discussion
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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?