SCIM and vCard mapping
draft-greevenbosch-scim-vcard-mapping-00

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Scope

- The document draft-greevenbosch-vcard-mapping-00 defines a mapping from SCIM to vCard and vice versa.
- The mapping has several purposes:
  - Provide a unified conversion mechanism between SCIM and vCard.
  - Identify properties that are defined in vCard, but are missing in SCIM.
  - Identify SCIM attributes that may be useful in vCard too.
  - Serve as guidance to consider whether vCard can be used as a basis for SCIM.
  - Provide discussion material on whether vCard could replace the SCIM schema completely.
- V01 will be uploaded soon after the meeting.

Overview

- The draft contains two main sections:
  - Mapping from SCIM to vCard;
  - Mapping from vCard to SCIM.
- Reason: some fields in SCIM may not be available in vCard, whereas others may be available in vCard but not in SCIM.
- Two tables allow easy identification of those missing fields from both sides.

Updates coming in v01

- SCIM "organization", "division" and "department" are mapped to a single vCard "ORG" field.

- SCIM "addr/formatted" are mapped to vCard "LABEL" field.

- Note to the "N" property is removed, as "N" field can be unambiguously dissected into family, given, additional, prefixes and suffixes components.

- Typos fixed.

- Added references to RFC 6473, 6474 and 6715.

- Added related fields to vCard -> SCIM table.

New fields from
RFCs 6473, 6474 and 6715

- RFC 6473 adds vCard KIND property value "application".

- RFC 6474 adds BIRTHPLACE, DEATHPLACE and DEATHDATE.

- RFC 6715 adds EXPERTISE, HOBBY, INTEREST, ORG-DIRECTORY properties, as well as INDEX and LEVEL parameters.

Mappings of IDs: SCIM -> vCard

- The SCIM ID and vCard ID could be generated from each other.
  - Since they are pointing to different entities, they should be different.
  - vCard IDs should be globally unique, whereas SCIM IDs must only be unique among a service provider.
  - Proposal for conversion of IDs from SCIM to vCard:
    - UID:scim:*serviceProviderID*:*scimID*
  - e.g. For the service provider "IndentityServe" and SCIM ID "12345" the vCard ID would be "UID:scim:IdentityServe:12345".

Mappings of IDs: vCard -> SCIM

- From vCard ID to SCIM ID could be done by adding a vCard prefix.
  - e.g. The vCard ID
    "UID:urn:uuid:dd418720-c754-4631-a869-db89d02b831b"
    could become
    "vCard:UID:urn:uuid:dd418720-c754-4631-a869-db89d02b831b"
- This manner allows circular mapping from vCard -> SCIM -> vCard without confusion of the versions.

Open issues

- Proposal to map SCIM "manager/managerID" to vCard "RELATED".

  - This would require registration of the TYPE "manager" for vCard with IANA.

- In general, what to do with unmappable fields?

- The relationship between vCard and SCIM?

Thank you!

Questions?