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

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Scope

• The document [draft-greevenbosch-vcard-mapping-00](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 “IdentityServe” 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?