

jscontact-profiles

IETF 122, calext

Robert Stepanek. March 20, 2025.

Proposal for new JSContact I-D

- JSContact in calext and jmap working groups discussed mostly in context of address books and to replace existing vCard data.
 - Other working groups and I-D authors show interest in JSContact, too:
 - Registration Data Access Protocol (regext): [draft-ietf-regext-rdap-jscontact](#)
 - DNS Account Handles: [draft-hallambaker-any](#)
 - RESTful Provisioning Protocol (rpp)
 - They might only want to support some elements of JSContact. And they might need to tweak it for their use cases.
- ➔ “Protocol-Specific Profiles for JSContact” [draft-stepanek-jscontact-profiles](#)

JSContact Profiles

- Have a unique name.
- Define a strict subset of JSContact elements and types.
- Are registered at IANA.
- Encourage protocol designers to use JSContact even if vanilla JSContact is too complex for their use cases.
- Help implementors of JSContact support protocol-specific profiles by providing a machine-readable, single source of truth at IANA.

JSContact Profiles MAY:

- Restrict which optional properties of a JSContact object type are allowed to be set.
- Require optional properties to be set, effectively making them mandatory for that profile.
- Restrict the enumerated values of a property to a non-empty subset of those values.
- Restrict the value type signature of a multi-typed property e.g. only allow the value type "A" for a property having value type "A|B".

JSContact Profiles MUST NOT:

- Define mandatory properties to be optional.
- Fully replace or expand the value type signature of a property.
- Change the default type of a multi-typed property.
- Restrict the allowed values for any value type that is not an enumerated value (they may introduce special-named map keys, but that's not in scope of JSContact profiles).
- Define profile-specific properties (but I-Ds always can register new “common” or “reserved” JSContact elements at IANA).

Proposed IANA JSContact Profile Registry

Will most likely change in later I-D versions, but to start with an example:

| Property Name | Property Context | Restricted to be Mandatory | Restricted Enum Values | Restricted Property Type |
|---------------|------------------|----------------------------|------------------------|--------------------------|
| emails | Card | | | |
| kind | Card | | individual | |
| name | Card | Mandatory | | |
| full | Name | Mandatory | | |

The Card object's "uid" and "version" properties, and the "@type" property in any object, are valid in any profile.

Next Steps

- Ask for adoption in caalex working group.
- Refine JSContact Profiles with feedback from interested I-D authors.