draft-jscalendar-icalendar

IETF 113 Vienna, calext

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Status

• Errata for RFC 8984 (jscalendare)
• Implementation in Cyrus IMAP and Bedework
• New definitions for iCalendar and JSCalendar
• Mapping unknown properties
• Next steps
Errata for RFC 8984

Errata 6872

Adds the excluded, excludedRecurrenceRules, recurrenceId, recurrenceIdTimeZone and recurrenceRules properties to the list of shared properties of private events.

https://www.rfc-editor.org/errata/eid6872

Errata 6873

Allow recurrenceIdTimeZone be null if recurrenceId is set (floating time!).

https://www.rfc-editor.org/errata/eid6873
GEO Property
New iCalendar Definitions

Allow URI value with geo: scheme defined in RFC 5870

Currently allowed value:

GEO:37.386013;-122.082932

Proposed additional value type:

GEO;VALUE=URI:geo:48.198634,16.371648;crs=wgs84;u=40
JMAP-ID Property and Parameter
New iCalendar Definitions

Maps the JMAP Id type (RFC 8620) from and to iCalendar

TEXT value, restricted to 255 bytes ASCII alphanumerics, "_" and "-"

Can be set on a UID. This is useful if UID value doesn’t follow RFC 7986 recommendation to use v4 UUID:

UID;JMAP-ID=43a34b99-9662-456e-b2f3-a41b11d6139a:novalid@jmapid
CONTENT-ID Parameter
New iCalendar Definitions

Allows to set a content-id on ATTACH and IMAGE

URI value, restricted to “cid:” scheme defined in RFC2392

ATTACH;CONTENT-ID="cid:foo@example.com";VALUE=BINARY:<b64data>
LINK-RELATION Parameter
New iCalendar Definitions

Defines how ATTACH or IMAGE relates to the iCalendar object.

TEXT value, allowed values in registry defined RFC 8288

https://www.iana.org/assignments/link-relations/link-relations.xhtml
RELATED-TO Property
New iCalendar Definitions

Adds the temporal START and END relation types to RELATED-TO property:

• This component relates to the start time of the related component
• This component relates to the end time of the related component

E.g. can map a VLOCATION to the start or end of the embedding VEVENT
Location.uid and Participant.uid Property
New JSCalendar Definitions

Adds the optional uid property to Location and Participant
Maps the VLOCATION UID property to JSCalendar
Maps the PARTICIPANT UID property to JSCalendar
Participant
No mapping to ATTENDEE or PARTICIPANT

- scheduleSequence → define SCHEDULE-SEQUENCE parameter?
- scheduleUpdated → define SCHEDULE-DTSTAMP parameter?
- progressUpdate → define SUBSTATE-DTSTAMP parameter?
PARTICIPANT

No mapping to JSCalendar Participant

- CREATED
- LAST-MODIFIED, DTSTAMP
- PRIORITY
- SEQUENCE
- STATUS
- CATEGORIES
- COMMENT

- CONTACT
- REQUEST-STATUS
- RELATED
- RESOURCES
- RESOURCE component
- strucloc (where defined?)
- strucres (where defined?)
- STYLED-DESCRIPTION
Mapping unknown properties

- JSCalendar defines IANA registry of standard properties per object type. If not registered at IANA, the “foo” property MUST be prefixed, e.g. “example.com/foo”.

- iCalendar components define a list of recommended properties, but they generally allow any iana-prop or other-prop in addition to x-props. Same for properties and parameters.
Mapping unknown properties

Approaches

1. Add new property to the data format where it is undefined. E.g: JMAP-ID. Makes semantics clear in both formats.

2. Map to an existing standard property in the other format. Works from JSCalendar to iCalendar. Does not work to JSCalendar, until registry is updated. E.g. PARTICIPANT.CREATED, but Participant.created does not exist.

3. Map property in a vendor extension in the other format, using a predefined vendor-prefix (e.g. “rfc-editor.org/info/rfc5545/X-FOO”). Only useful to preserve unknown properties, but not work with them.
Next steps

Interop testing

Update RFC. Define separate iCalendar and JSCalendar RFCs for new or changed properties?