

jscalendar-icalendar

IETF 121, calext

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Changes since IETF 119/120

- Posted new version [draft-ietf-calext-jscalendar-icalendar-08](#).
- Changed Intended Status from “Standard” to “Experimental”.
- Covers all IANA-registered iCalendar and JSCalendar elements with conversion rules and examples.
- Started implementation using libical.

Scope and Goals

- iCalendar Scope: RFC 5545 and updates, draft-calext-ical-tasks, draft-douglass-itip-participants.
- JSCalendar Scope: RFC 8984, draft-ietf-jmap-calendars.
- Goal: Preserve arbitrary elements when converting between iCalendar and JSCalendar, but not necessarily define new standard elements for them.
- WG charter: *“Extensions to iCalendar or JSCalendar must include a representation in both formats, and define a robust mapping between them.”*
- Goal: reality check how the current WG documents meet this requirement.

iCalendar vs. JSCalendar

Convertible Properties by Component

Convertible Properties by Object Type

VTIMEZONE	100%	100%	TimeZone
VEVENT	92%	88%	Event
VTODO	90%	83%	Task
VLOCATION	88%	71%	Location
VCALENDAR	81%	91%	Group
VRESOURCE	77%		
PARTICIPANT	54%	70%	Participant
VALARM	30%	100%	Alert
VAVAILABILITY			
VJOURNAL			
VFREEBUSY			

See [Appendix A: draft-ietf-calext-jscalendar-icalendar-08](#)

New JSCalendar Properties

For iTIP

Name	Context	Converts from iCalendar
scheduleAgent	Event, Task	SCHEDULE-AGENT parameter on ORGANIZER
scheduleForceSend	Event, Task	SCHEDULE-FORCE-SEND parameter on ORGANIZER
scheduleStatus	Event, Task	SCHEDULE-STATUS parameter on ORGANIZER

New JSCalendar Properties

Simple and useful

Name	Context	Converts from iCalendar
completed	Task	COMPLETED property
uid	Alert, Location, Participant	UID property of VALARM, VLOCATON, PARTICIPANT
fileName	Link	FILENAME parameter of ATTACH
schema	Link	SCHEMA parameter of STRUCTURED-DATA
locations	Participant	VLOCATION component of PARTICIPANT

Updated JSCalendar Properties

- Link.rel: also allow extension URI values (as defined in RFC8288). Currently requires value to be “relation type from the IANA "Link Relations" registry”.

Interesting but out of scope

- iCalendar:
 - VALARM with PROXIMITY
 - VCALENDAR with REFRESH-INTERVAL
 - LANGUAGE parameter
- JSCalendar:
 - Event and Task localizations
 - Event and Task sentBy
 - Event and Task replyTo/sendTo methods other than `imip`

Revisit WG Charter

- iCalendar and JSCalendar likely to always have semantic gaps
- None of the iCalendar RFCs published since RFC 8984 meet the charter.
- JSCalendar used in JMAP for Calendars. iCalendar/iTIP likely to stay standard for scheduling for considerable time.
- Proposed new charter: *Extensions to iCalendar or JSCalendar **should** include a representation in both formats, and define a robust mapping between them.*

Next Steps

- Finish conversion rules based on agreed-on new properties.
- Finish implementation.
- Last call at or around IETF 122 🙌