

jscalendar-icalendar

IETF 119, Calendaring Extensions (calext)

jscalendar-icalendar

- Restarted work on expired jscalendar-icalendar I-D. Not submitted yet.
- Joris Baum (audriga) joined as co-author!
- Convert every IANA-registered element between JSCalendar and iCalendar.
- Criteria to publish is interoperable conversion with multiple implementations.
- Keep jscalendarbis and icalendar-jscalendar-extensions expired for now.

Testing JSCalendar & iCalendar Conversion

- New jscalendar-icalendar I-D contains test cases within the document.
- Tool extracts examples from I-D, validates conversion with our backends.
- Encourages us to write good examples and we can be sure they are correct!

Example in I-D

```
DTSTART:20240306
```

```
"start":  
"2024-03-06T00:00:00",  
"showWithoutTime": true,  
"timeZone": null
```

Test Tool

```
BEGIN:VCALENDAR  
PRODID:-//F00//bar//EN  
VERSION:2.0  
BEGIN:VEVENT  
DTSTART:20240306  
DTSTAMP:20060102T030405Z  
UID:de1c9c24-9633-...  
END:VEVENT  
END:VCALENDAR
```

```
{  
  "@type": "Event",  
  "start": "2024-03-06T00:00:00",  
  "showWithoutTime": true,  
  "timeZone": null,  
  "uid": "de1c9c24-9633-...",  
  "prodId": "-//F00//bar//EN",  
  "updated": "2006-01-02T03:04:05Z",  
  "locale": null  
}
```

- Backend must accept HTTP POST with Content-Type “text/calendar” or “application/jscalendar+json”, then return converted result.
- Test tool generates HTML report highlighting any diff in the response.
- Requires Python 3.12 with no dependencies.

Next Steps

- For each IANA-registered element in {iCalendar, JSCalendar}:
 - Define conversion for element
- For every item where conversion is lacking, decide if to:
 - (re)define standard element in iCalendar/JSCalendar, or
 - convert to catch-all element (like JSPROP/vCardProps in JSContact).

Interested to join interoperation tests? Send email to calext list or authors!