

Resources for Developing Calendar Applications

Working Draft Standard

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Abstract

This memo lists specifications and resources available to developers of calendaring and scheduling applications.

Introduction

This memo lists standards and resources available to developers of calendaring and scheduling applications.

This list **SHOULD NOT** be considered exhaustive, but **SHOULD** be sufficient as a starting point for developers new to calendaring and scheduling.

Resources for Developing Calendar Applications

1. Scope

This memo lists standards and resources available to developers of calendaring and scheduling applications.

2. Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IETF RFC 4791, DABOO, C., B. DESRUISSEAU and L. DUSSEAU. *Calendaring Extensions to WebDAV (CalDAV)*. 2007. RFC Publisher. <https://www.rfc-editor.org/info/rfc4791>.

IETF RFC 4918, Internet Engineering Task Force (committee). *HTTP Extensions for Web Distributed Authoring and Versioning (WebDAV)*. 2007. RFC Publisher. <https://www.rfc-editor.org/info/rfc4918>.

IETF RFC 5545, Internet Engineering Task Force (committee). *Internet Calendaring and Scheduling Core Object Specification (iCalendar)*. 2009. RFC Publisher. <https://www.rfc-editor.org/info/rfc5545>.

IETF RFC 5546, Internet Engineering Task Force (committee). *iCalendar Transport-Independent Interoperability Protocol (iTIP)*. 2009. RFC Publisher. <https://www.rfc-editor.org/info/rfc5546>.

IETF RFC 6047, Internet Engineering Task Force (committee). *iCalendar Message-Based Interoperability Protocol (iMIP)*. 2010. RFC Publisher. <https://www.rfc-editor.org/info/rfc6047>.

IETF RFC 6321, DABOO, C., M. DOUGLASS and S. LEES. *xCal: The XML Format for iCalendar*. 2011. RFC Publisher. <https://www.rfc-editor.org/info/rfc6321>.

IETF RFC 6578, DABOO, C. and A. QUILLAUD. *Collection Synchronization for Web Distributed Authoring and Versioning (WebDAV)*. 2012. RFC Publisher. <https://www.rfc-editor.org/info/rfc6578>.

IETF RFC 6638, DABOO, C. and B. DESRUISSEAU. *Scheduling Extensions to CalDAV*. 2012. RFC Publisher. <https://www.rfc-editor.org/info/rfc6638>.

IETF RFC 6764, DABOO, C. *Locating Services for Calendaring Extensions to WebDAV (CalDAV) and vCard Extensions to WebDAV (CardDAV)*. 2013. RFC Publisher. <https://www.rfc-editor.org/info/rfc6764>.

IETF RFC 6868, DABOO, C. *Parameter Value Encoding in iCalendar and vCard*. 2013. RFC Publisher. <https://www.rfc-editor.org/info/rfc6868>.

IETF RFC 7230, Internet Engineering Task Force (committee). *Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing*. 2014. RFC Publisher. <https://www.rfc-editor.org/info/rfc7230>.

IETF RFC 7529, DABOO, C., G. YAKUSHEV and Internet Engineering Task Force. *Non-Gregorian Recurrence Rules in the Internet Calendaring and Scheduling Core Object Specification (iCalendar)*. 2015. RFC Publisher. <https://www.rfc-editor.org/info/rfc7529>.

IETF RFC 7265, KEWISCH, P., C. DABOO, M. DOUGLASS and Internet Engineering Task Force. *jCal: The JSON Format for iCalendar*. 2014. RFC Publisher. <https://www.rfc-editor.org/info/rfc7265>.

IETF RFC 7809, DABOO, C. and Internet Engineering Task Force. *Calendaring Extensions to WebDAV (CalDAV): Time Zones by Reference*. 2016. RFC Publisher. <https://www.rfc-editor.org/info/rfc7809>.

IETF RFC 7953, DABOO, C., M. DOUGLASS and Internet Engineering Task Force. *Calendar Availability*. 2016. RFC Publisher. <https://www.rfc-editor.org/info/rfc7953>.

IETF RFC 7986, DABOO, C. and Internet Engineering Task Force. *New Properties for iCalendar*. 2016. RFC Publisher. <https://www.rfc-editor.org/info/rfc7986>.

IETF RFC 8144, MURCHISON, K. *Use of the Prefer Header Field in Web Distributed Authoring and Versioning (WebDAV)*. 2017. RFC Publisher. <https://www.rfc-editor.org/info/rfc8144>.

3. Terms and definitions

No terms and definitions are listed in this document.

4. The Standards

The documents in the following sections define the standards for calendaring and scheduling data formats and protocols.

4.1. Calendar Data Formats

4.1.1. iCalendar

- [IETF RFC 5545](#) — Internet Calendaring and Scheduling Core Object Specification (iCalendar)
- [IETF RFC 6868](#) — Parameter Value Encoding in iCalendar and vCard
- [IETF RFC 7529](#) — Non-Gregorian Recurrence Rules in iCalendar
- [IETF RFC 7953](#) — Calendar Availability
- [IETF RFC 7986](#) — New Properties for iCalendar

4.1.2. Other Formats

- [IETF RFC 6321](#) — The XML Format for iCalendar
- [IETF RFC 7265](#) — The JSON Format for iCalendar

4.2. Calendar Scheduling

- [IETF RFC 5546](#) — iCalendar Transport-Independent Interoperability Protocol
- [IETF RFC 6047](#) — iCalendar Message-Based Interoperability Protocol
- [IETF RFC 7953](#) — Calendar Availability

4.3. CalDAV: A Calendar Access Protocol

4.3.1. Core Standards

- [IETF RFC 7230](#) — Hypertext Transfer Protocol (HTTP/1.1)
- [IETF RFC 4918](#) — HTTP Extensions for Web Distributed Authoring and Versioning (WebDAV)
- [IETF RFC 4791](#) — Calendaring Extensions to WebDAV (CalDAV)
- [IETF RFC 6638](#) — Scheduling Extensions to CalDAV

4.3.2. Extensions and Related Standards

- [IETF RFC 6764](#) — Locating Services for CalDAV and CardDAV
- [IETF RFC 6578](#) — Collection Synchronization for WebDAV
- [IETF RFC 7953](#) — Calendar Availability
- [IETF RFC 7809](#) — CalDAV: Time Zones by Reference
- [IETF RFC 8144](#) — Use of the Prefer Header Field in WebDAV

5. Other Resources

The following documents outline guidelines and best practices for developing interoperable calendar and scheduling applications.

— [CalConnect Developer's Guide](#)

6. Security Considerations

There are no security considerations related to this memo.

7. Acknowledgments

This document came about via discussions at CalConnect—the Calendaring and Scheduling Consortium. Thanks in particular to Mike Douglass.

Bibliography

- [1] CalConnect Developer's Guide, CalConnect Developer's Guide, <https://devguide.calconnect.org>