CALCONNECT DOCUMENT CD 0704

Type: Report
Title: May 2007 CalConnect Interoperability Test Report
Version: 1.2
Date: 2007-08-10
Status: Published
Source: IOPTEST Technical Committee

This document incorporates by reference the CalConnect Intellectual Property Rights, Appropriate Usage, Trademarks and Disclaimer of Warranty for External (Public) Documents as located at

INTELLECTUAL PROPERTY RIGHTS, APPROPRIATE USAGE
AND DISCLAIMER OF WARRANTY
FOR EXTERNAL (PUBLIC) DOCUMENTS

STATEMENT OF INTELLECTUAL PROPERTY RIGHTS
This document and the information it contains is the work product of The Calendaring and Scheduling Consortium (“Consortium”), and as such, the Consortium claims all rights to any intellectual property contained herein.

STATEMENT OF APPROPRIATE USAGE
Standards Setting Organizations and others who find this document is of use in their work are hereby granted the right to copy, redistribute, incorporate into their own documents, make derivative works from, and otherwise make further use of the document and the material it contains at no cost and without seeking prior permission from the Consortium, subject to properly attributing the source if unmodified to the Consortium and notifying the Consortium of its use according to the guidelines below:

1. If the document is excerpted or used in its entirety in another document, the text must remain unchanged and a complete citation must be supplied referencing the full title, version, date, and appropriate section/subsection/paragraph identification from the original document.

2. A normative or informative reference to this document may be used in place of excerpting or incorporating the entire original document. Such references should include the full title, version, date, and appropriate section/subsection/paragraph identification from the Consortium document being referenced.

3. In either case, the user referencing or excerpting a Consortium document is requested to notify the Consortium of the referencing specification and to provide the Consortium with an appropriate link or other way of reviewing the specification.

DISCLAIMER OF WARRANTY
THIS DOCUMENT AND THE INFORMATION IT CONTAINS IS PROVIDED ON AN “AS IS” BASIS, WITHOUT ANY WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, FROM THE CONSORTIUM, ITS CONTRIBUTORS, AND THE ORGANIZATIONS ITS CONTRIBUTORS REPRESENT OR ARE SPONSORED BY (IF ANY), INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, AND NON-INFRINGEMENT.
TABLE OF CONTENTS

Introduction ................................................................................................................................................. 3
General Comments ........................................................................................................................................... 3
Apple Testing: .................................................................................................................................................. 3
OSAF Testing .................................................................................................................................................. 3
Marware Testing ............................................................................................................................................ Error! Bookmark not defined.
Mozilla Testing ............................................................................................................................................. Error! Bookmark not defined.
RPI Testing .................................................................................................................................................... Error! Bookmark not defined.
Synchronica Testing ..................................................................................................................................... Error! Bookmark not defined.
Summary ........................................................................................................................................................... 4
MOZILLA LIGHTNING TESTING MATRIX ................................................................................................. Error! Bookmark not defined.
Introduction
This document contains notes and results from the May 2007 calendar interoperability event, sponsored by Boeing, held in Seattle Washington. The basic purpose of the event was to test CALDAV Free Busy and Scheduling and iCalendar iMIP and iTIP events.

The chart below shows the attendees, their organization and the products they were testing.

<table>
<thead>
<tr>
<th>Attendees</th>
<th>Organization</th>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyrus Daboo</td>
<td>Apple</td>
<td>Apple Client and CALDAV server</td>
</tr>
<tr>
<td>Michael Douglass</td>
<td>RPI</td>
<td>Bedework CALDAV Server</td>
</tr>
<tr>
<td>Daniel Boelzle</td>
<td>Mozilla</td>
<td>Lightning and Thunderbird Calendar clients</td>
</tr>
<tr>
<td>Tony Becker</td>
<td>Marware</td>
<td>Marware Calendar</td>
</tr>
<tr>
<td>Mikeal Rogers</td>
<td>OSAF</td>
<td>Cosmo CALDAV server and Chandler Client</td>
</tr>
<tr>
<td>Daniel Rauschenbach</td>
<td>Synchronica</td>
<td>CALDAV Server</td>
</tr>
</tbody>
</table>

Note: Oracle was not present but provided external access to their CALDAV server for testing purposes.

General Comments

The following applications and products were tested:

Four CALDAV servers - RPI, Oracle, Apple and OSAF (Cosmo)
Four CALDAV clients - OSAF (Chandler), Mozilla, Marware and Apple
iCalendar interoperability – Mozilla and Apple

General Comments

The focus of this event was Free Busy and Scheduling testing in CALDAV. As more and more clients are adding in the features, we are able to test more of the spec. During testing, bugs in code were found and noted. One of the benefits of interoperability testing is to stress test implementations in a controlled environment. Each product found situations where they need to go back and adjust their implementations in order to improve interoperability.

Examples of what is tested:

Connection to all CALDAV servers from all clients.
Successfully publishing events
Publishing separate calendars
Handling of errors and authentication

Examples of issues found are:

Serialization of all requests
Handling of Mkcalendar
Products not showing first instances
Not handling EXDATE=a,b,c
Fetching etags on non-existing resources when adding items
Error reporting
Weekly recurring event 4 times - Queries “in between” weeks return no results
Deleting recurring event with multiple overridden instances
UI handling of switching between recurring event with count (1.2) that do not update the recurrence field
Deleting some instances, then changing the whole event into an all-day daily recurring one failed (err 500)
A server that seems to filter out a VALARM and doesn't write it.

**Summary**

We continue to have good results testing CALDAV clients and servers. General comments again are that it is always good to have interops in person. The ability to stress test in a controlled, “safe” environment is a plus.

The aim of the next interop is to test more CALDAV Scheduling features.

Respectfully submitted, Pat Egen, Interoperability Event Manager