

Qeedji

User manual 001A

briva_calendar-ics 1.11.11

Legal notices

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1.1 Introduction

The `Briva-calendar-ICS` solution is allowing to get periodically the events from several resources calendar files (`.ics`) stored on a Web server or in the Briva file system to gather events of the day and print them in output files with two different formats:

- either into the `.ics` calendar file, compliant with *Internet Calendar Scheduling* RFC,
- or into a `.xml` calendar file. For further information about this propriety format, refer to the chapter § [Appendix: .xml calendar format](#).

This document explains how to install and configure the `ICS-calendar` connector on the `Briva-calendar` server.

Briva-calendar server compatibility

The `ICS-calendar` connector must be installed on a `Briva-calendar` server 2.10.10.

1.2 Briva-calendar server installation

If not already done, download the [Briva-calendar server 2.10.10](#) then execute *Innes Briva Server Setup V2.10.10.exe* on a MS-Windows Server computer to install it. The MS-Windows Server computer must be available on your local network.

The Briva-calendar server is by default installed in this directory:

- C:\Program Files (x86)\Innes Briva

The user data for the Briva-calendar server are stored by default in this directory:

- C:\Users\Public\Documents\Innes Briva

Briva-calendar server (C:\Program Files (x86)\Innes Briva\Server\bin\httpd.exe) starts automatically on port 80 when the MS-Windows server starts.

The start and stop shortcuts, available on MS-Windows App panel, allows to start or stop the Briva-calendar server .

List of calendar connectors installed

Briva-calendar server can support several types of calendar connector at a time.

When the Briva-calendar server is started, the Briva-calendar server Web configuration page is available with this URL:

- `http://<myBrivaCalendarServer_login>:<myBrivaCalendarServer_password>:<myBrivaCalendarServer_port>@myBrivaCalendarServer_domain_or_IPV4_addr>/configuration/`

For example

- `http://admin:admin@192.168.2.69/.configuration/`

☞ The default credential to connect as administrator is `admin / admin` .

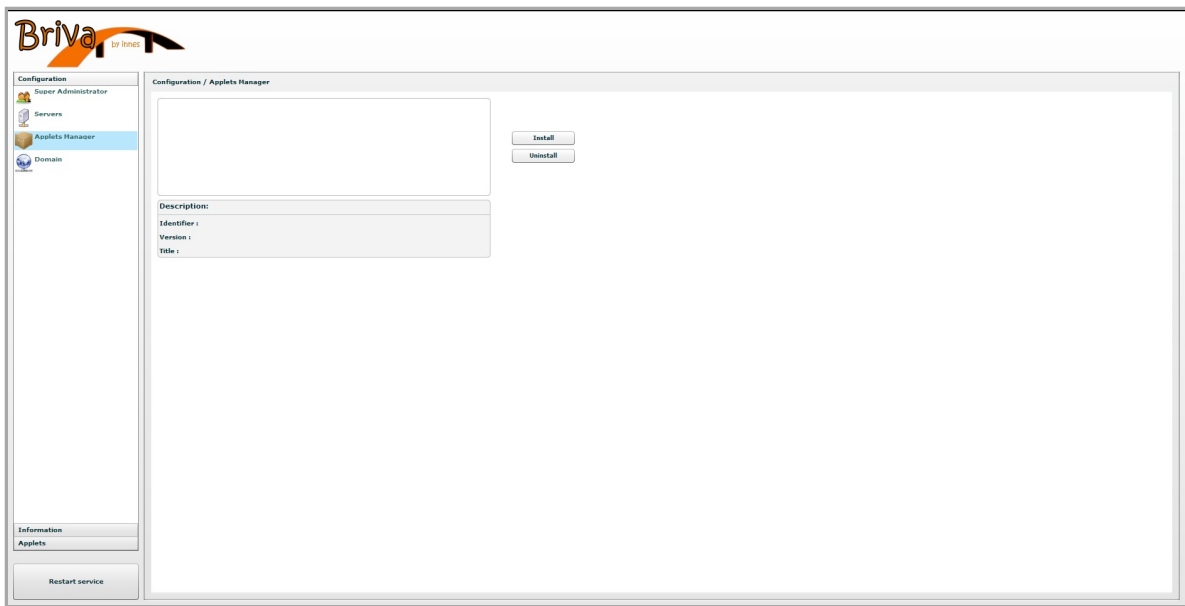
☞ It is advised to use DNS to access to your Briva-calendar server .

☞ To open the Briva-calendar server Web configure page, the browser must support the flash technology. If you have not, contact `support@innes.pro` who should help to find one.

Click on the Applets Manager tab. The Configuration / Applets Manager pane, displayed on the right, lists all the calendar connectors installed.

To know the version of a calendar connector, click on the appropriate calendar connector installed and check the Description pane just below displaying information about the connector:

- identifier ,
- version ,
- title .



Click on the Domain tab. Click on New to create a domain (for example: *myDomain*).

1.3 ICS calendar connector installation

Open the Briva-calendar server Web configure page, available with this URL:

- `http://<myBrivaCalendarServer_login>:<myBrivaCalendarServer_password>:<myBrivaCalendarServer_port>@myBrivaCalendarServer_domain_or_IPV4_addr>/configuration/`

For example

- `http://admin:admin@192.168.2.69/.configuration/`

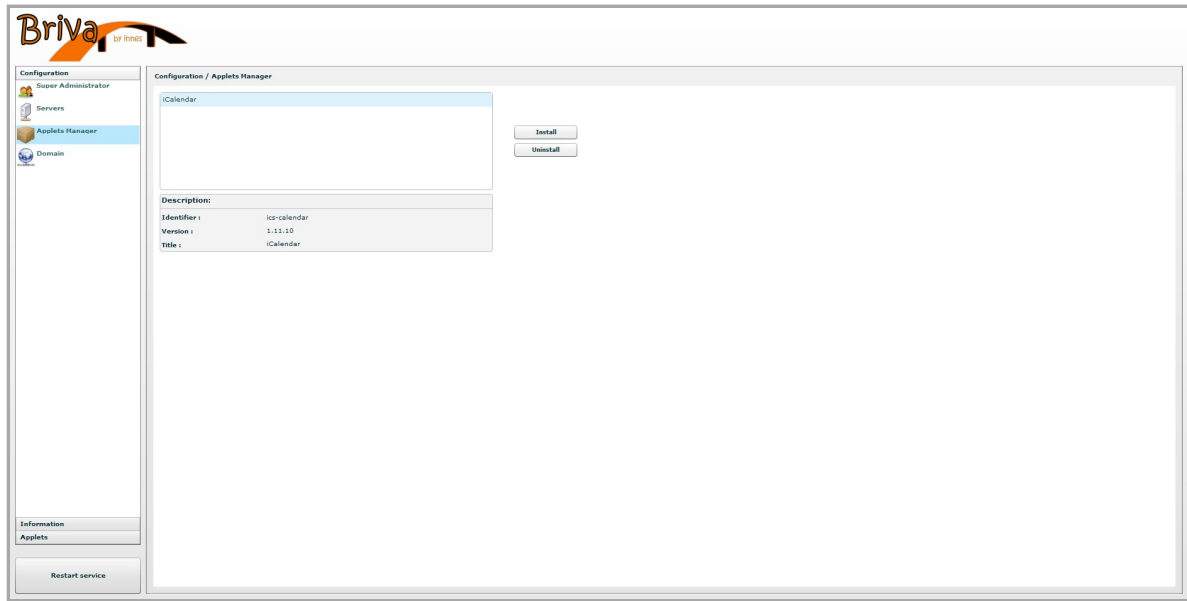
Click on the Applets Manager tab. The Configuration / Applets Manager pane, displayed on the right, lists all the calendar connectors installed.

If already installed, select the Microsoft Exchange 2007/2010/2013 Calendar connector and check that the version is 1.11.10 (or above). Otherwise:

- download the latest ICS connector (.saz),
- click on the Install button,
- select the *ics-calendar-1.11.10.saz* and click on the Open button.

Wait a couple of time.

Click on the iCalendar connector installed and in the Description pane just below, check that the version is 1.11.10 (or above).



When successfully installed:

- these files are available in this directory `C:\Users\Public\Documents\Innes Briva\Server\.accounts\<mydomain>\.applets\.ics-calendar\` :
 - *2ical.php*,
 - *2xml-daycalendar.php*,
 - *configuration.xml*,
- these files are available in this directory `C:\Users\Public\Documents\Innes Briva\Server\.shared\.applets\.ics-calendar\` :
 - *2ical.php*,
 - *2xml-daycalendar.php*.

1.4 ICS calendar connector configuration

To configure the `ICS-calendar` connector, edit the `C:\Users\Public\Documents\Innes Briva\Server\.accounts\<mydomain>\.applets\ics-calendar\configuration.xml` file to fill the required information to connect to your `.ics` calendar file.

The configuration file template is auto-explained and contains different configuration examples.

⚠ Do modify the `configuration.xml` file by matching the XML syntax.

⚠ The file editor, allowing to make modifications in the `configuration.xml` file, must keep the characters encoded in UTF-8.

Modification of the configuration.xml file to get your .ics file

The upper part of the `configuration.xml` (tag `<scc:server>`) allows to configure whether the `.ics` calendar file must be get from the Briva Calendar server file system or from a remote Web server.

The connector is able to get several `.ics` calendar file URLs at a time with only one `configuration.xml` file.

In the `configuration.xml`, uncomment the block from `<scc:server>` to `</scc:server>` and fill with your data:

```
<scc:server>
...
</scc:server>
```

This is a example (`myServerId_auth`) using the `<scc:credentials>` tag when the connector must get some `.ics` calendar files available on the Web server requiring http authentication:

- `http://192.168.1.78:8080/dir_ics/myRoomA.ics` ,
- `http://192.168.1.78:8080/dir_ics/myRoomB.ics` .

```
<scc:server id="myServerId_auth" type="ics">
  <scc:baseuri>http://192.168.1.78:8080/dir_ics/</scc:baseuri>
  <scc:label>MyLocalWebServer</scc:label>
  <scc:authentication type="http-authentication">
    <scc:credentials>
      <scc:username>myUsername</scc:username>
      <scc:password>myPassword</scc:password>
    </scc:credentials>
  </scc:authentication>
</scc:server>
```

This is a example (`myServerId_web`) when the connector must get some `.ics` calendar files available on the Web server requiring no authentication:

- `https://www.contoso.com/dir/myRoomA.ics` ,
- `https://www.contoso.com/dir/myRoomB.ics` .

```
<scc:server id="myServerId_web" type="ics">
  <scc:baseuri>https://www.contoso.com/dir/</scc:baseuri>
  <scc:label>MyWebContent</scc:label>
</scc:server>
```

This is a example (`myServerId_briva_local_fs`) when the connector must get some `.ics` calendar files available on the file system¹ of the Briva calendar server:

- `C:\Users\Public\Documents\Innes Briva\Server\.accounts\<mydomain>\.medias\dir\myRoomA.ics` ,
- `C:\Users\Public\Documents\Innes Briva\Server\.accounts\<mydomain>\.medias\dir\myRoomA.ics` .

```
<scc:server id="myServerId_briva_local_fs" type="ics">
  <scc:label>myBrivaServer</scc:label>
</scc:server>
```

¹ In this case, these input `.ics` files must be manually updated by the user.

Modification of the configuration.xml to create a calendarId supporting your resources calendars

A `calendarId` is the name of the the calendar you have to create to gather the events of the day for one or several resource calendars. At least one `calendarId` must be created.

In the `configuration.xml`, several `calendarId` can be created. All the `calendarId` created must have different values.

The different `calendarIds` must be created inside the `<scc:calendars>` tags:

- the value `myCalendarId` is a free text value,
- the value `myServerId` must match one of the `serverId` labels defined above.

```
<scc:calendars>
  <scc:calendar id="myCalendarId1" server="url(#myServerId1)">
    ...
  </scc:calendar>
  <scc:calendar id="myCalendarId2" server="url(#myServerId2)">
    ...
  </scc:calendar>
  <scc:calendar id="myCalendarId3" server="url(#myServerId3)">
    ...
  </scc:calendar>
</scc:calendars>
```

This is an example of `calendarId` names:

- `myCalendarId1`,
- `myCalendarId2`,
- `myCalendarId3`,

```

<scc:calendars>
  <scc:calendar id="myCalendarId1" server="url(#myServerId_briva_local_fs)">
    <param name="resource">.medias/dir/myRoomA.ics</param>
    <param name="resource">.medias/dir/myRoomB.ics</param>
    <param name="cachePersistence">0</param>
    <param name="startRelated">day-start</param>
    <param name="endRelated">day-end</param>
  </scc:calendar>

  <scc:calendar id="myCalendarId2" server="url(#myServerId_web)">
    <param name="resource">myRoomA.ics</param>
    <param name="resource">myRoomB.ics</param>
    <param name="cachePersistence">0</param>
    <param name="startRelated">day-start</param>
    <param name="endRelated">day-end</param>
  </scc:calendar>

  <scc:calendar id="myCalendarId3" server="url(#myServerId_Auth)" type="ics">
    <param name="resource">myRoomA.ics</param>
    <param name="resource">myRoomB.ics</param>
    <param name="cachePersistence">0</param>
    <param name="startRelated">day-start</param>
    <param name="endRelated">day-end</param>
  </scc:calendar>
</scc:calendars>

```

FilterSensitivity parameter

The *filterSensitivity* parameter specifies which calendar items are filtered and so not printed in the output file according to their sensitivity. The possible values for the *filterSensitivity* parameter are:

- *Private*,
- *Normal*.

```

<scc:calendar id="rooms_1_2" server="url(#serverId)">
  <param name="filterSensitivity">Private</param>
</scc:calendar>

```

Room label rename

In the example, the resource name (ex: *myRoomA*, name given by IT department) is overwritten by a friendly custom label (ex: *Room A*).

Renaming method when the calendarId (ex: *room_A*) contains only one resource calendar:

```

<scc:calendar id="room_A" server="url(#serverId)">
  <param name="resource" value="Room A">myRoomA</param>
</scc:calendar>

```

Working day

To remove the events programmed outside the working day (ex: from *8.00 AM* to *7.00 PM*), uncomment the block like explained.

```

<scc:generalsettings>
  <!-- Working day (Occurrence=1)-->
  <scc:workingday>
    <!-- define the start and end time slot of the working day -->
    <param name="dayStartTime">9:00</param>
    <param name="dayEndTime">18:00</param>
  </scc:workingday>
</scc:generalsettings>

```


1.5 ICS calendar connector's output URL

Ensure that no network software product or network device prevent your computer to communicate with the `Briva-calendar` ICS .

URL to get the `.ics` calendar

This is the syntax for the URL to get the `.ics` calendar file output by the connector:

- `http://<BrivaCalendarServer_domain_or_ipv4_addr>/plugnCast/.applets/.ics-calendar/2ical.php?calendarId=<myCalendarId>`

URL to get the `.xml` calendar

This is the syntax for the URL to get an `.xml` calendar file output by the connector:

- `http://<BrivaCalendarServer_domain_or_ipv4_addr>/plugnCast/.applets/.ics-calendar/2xml-daycalendar.php?id=<myCalendarId>`

2.1 Contacts

For further information, please contact us by e-mail:

- **Technical support:** support@innes.pro,
- **Sales department:** sales@innes.pro.

Refer to the **INNES** Website for FAQ, application notes, and software downloads: <https://www.innes.pro/>

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5A rue Pierre Joseph Colin
35700 RENNES

Tel: +33 (0)2 23 20 01 62
Fax: +33 (0)2 23 20 22 59

3.1 Appendix: .xml calendar format

This is an example of .xml calendar output by the briva_calendar-ics (1.11.10 or above) with the URL syntax:

- `http://<BrivaCalendarServer_domain_or_ipv4_addr>/plugnCast/.applets/.ics-calendar/2xml-daycalendar.php?id=<calendarId>`

For example:

- `http://192.168.1.100/plugnCast/.applets/.ics-calendar/2xml-daycalendar.php?id=calendarId1`

```
<calendar>
  <event>
    <summary>myEvent1</summary>
    <description>myDescription1</description>
    <location>Room 1</location>
    <date>27/12/2022</date>
    <timeslot>15:00 - 16:00</timeslot>
    <organizer>myOrganizerName</organizer>
    <attendees>stefan.schmidt@contoso.com, john.smith@contoso.com</attendees>
  </event>
  <event>
    <summary>myEvent2</summary>
    <description>myDescription2</description>
    <location>Room 2</location>
    <date>27/12/2022</date>
    <timeslot>11:00 - 12:00</timeslot>
    <organizer>myOrganizerName</organizer>
    <attendees/>
  </event>
  <event>
    <summary>myEvent3</summary>
    <description/>
    <location>Room 3</location>
    <date>27/12/2022</date>
    <timeslot>12:00 - 13:00</timeslot>
    <organizer>myOrganizerName</organizer>
    <attendees/>
  </event>
</calendar>
```

3.2 Appendix: .ics calendar format

The .ics format output by the briva_calendar-ics is compliant with the Internet Calendaring and Scheduling RFC.

The daily, weekly and monthly recurring events having the *COUNT* rule part could be not displayed in the ouptut .ics calendar.

3.3 Appendix: Alarm and cache persistency

Alarm

Several alarms combinations can be created to:

- display or not the incoming events,
- display or not the events that are over,
- display events <n> minutes before they happen,
- display events until <n> minutes they are over.

This alarm combination allows to display all the events of the day:

```
<scc:calendars>
  <scc:calendar id="room1" server="url(#serverId)">
    <param name="startRelated">day-start</param>
    <param name="endRelated">day-end</param>
  </scc:calendar>
</scc:calendars>
```

This alarm combination allows to display only events happening now:

```
<scc:calendars>
  <scc:calendar id="room1" server="url(#serverId)">
    <param name="startRelated">event-start</param>
    <param name="endRelated">event-end</param>
  </scc:calendar>
</scc:calendars>
```

This alarm combination allows to display events 3600 seconds before they happen and until 3600 seconds after they are over:

```
<scc:calendars>
  <scc:calendar id="room1" server="url(#serverId)">
    <param name="startRelated">event-start</param>
    <param name="startOffset">-3600</param>
    <param name="endRelated">event-end</param>
    <param name="endOffset">3600</param>
  </scc:calendar>
</scc:calendars>
```

This alarm combination allows to display all the events of the day except those that are not yet started:

```
<scc:calendars>
  <scc:calendar id="room1" server="url(#serverId)">
    <param name="startRelated">day-start</param>
    <param name="endRelated">event-end</param>
  </scc:calendar>
</scc:calendars>
```

This alarm combination allows to display all the events of the day except those that are over:

```
<scc:calendars>
  <scc:calendar id="room1" server="url(#serverId)">
    <param name="startRelated">event-start</param>
    <param name="startOffset">-600</param>
    <param name="endRelated">day-end</param>
  </scc:calendar>
</scc:calendars>
```

Cache persistency parameter

The connector considers that during the cache duration (in seconds), there is no need to refresh the *calendarId* calendar. The default cache value is 300.

```
<param name="cachePersistence">300</param>
```

When the cache is not defined, the connector refreshes the calendar every minute.

3.4 Appendix: XML entities

Here are some XML entities:

XML entities	description
<	<
>	>
&	&
'	'
"	"