

Qeedji

User manual 001B

briva_calendar-jooxter 1.11.11

Legal notices

1.11.11 (001B_en)

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WEEE Directive



This symbol means that your end of life equipment must not be disposed of with household waste but must be deposited at a collection point for waste electrical and electronic equipment or to your reseller. This will benefit the environment. In this context, a system for collecting and recycling has been implemented by the European Union

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1.1 Introduction

The Briva-calendar Jooxter solution is allowing to connect periodically to your online Jooxter server calendar to gather the events of the day for one or several resources calendars and output them into:

- an *.ics* calendar, compliant with *Internet Calendar Scheduling RFC*,
- a *.xml* calendar, propriety format. For further information, refer to the chapter § [Appendix: .xml calendar format](#).

This document explains how to install and configure the `jooxter-calendar` connector on the Briva-calendar server so that it can connect to your Jooxter server and get events of your resources calendars.

Jooxter online URL

<https://app.jooxter.com>

Briva-calendar server compatibility

The `jooxter-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 .

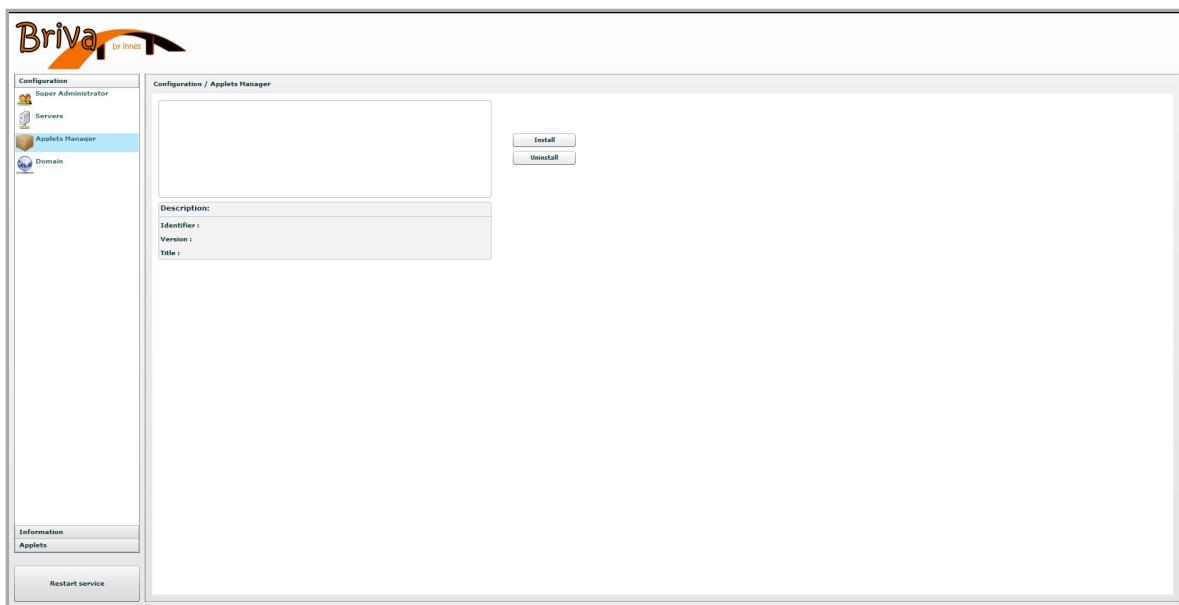
☞ It is advised to use DNS to access to your Briva-calendar server .

☞ 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 Jooxter 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/>

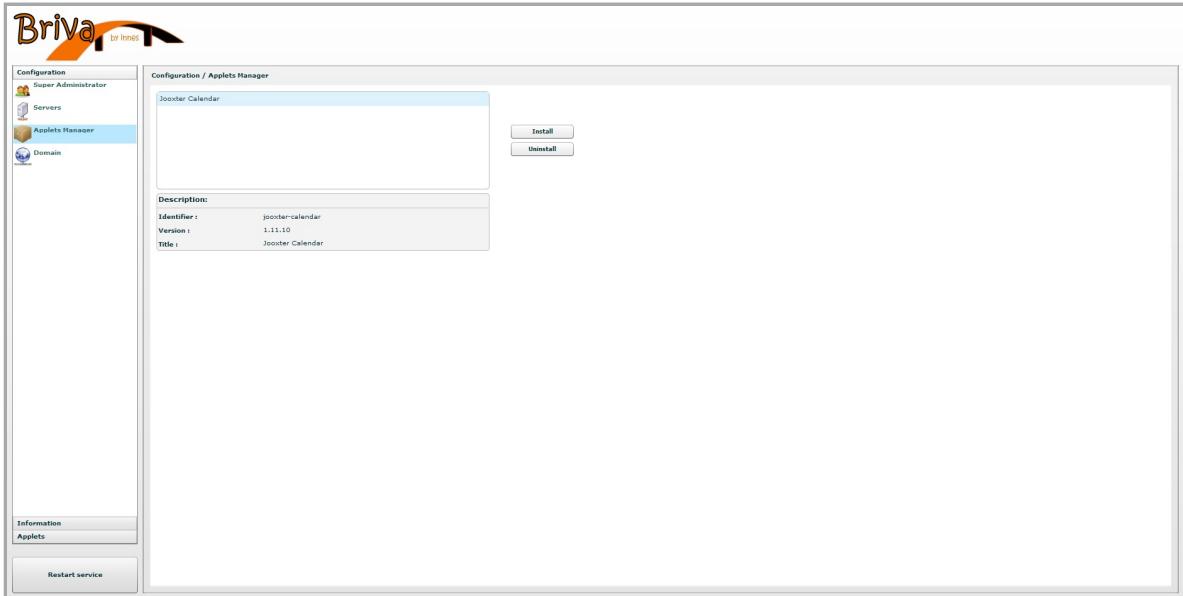
Click on the Applets Manager tab. The Configuration / Applets Manager pane, displayed on the right, lists all the calendar connectors installed.

If already installed, select the Jooxter Calendar connector and check that the version is 1.11.10 (or above). Otherwise:

- download the latest JOOXTER connector ([.saz](#)),
- click on the Install button,
- select the *jooxter-calendar-1.11.10.saz* and click on the Open button.

Wait a couple of time.

Click on the Jooxter Calendar connector installed and in the Description pane just below, check that the version is 1.11.10.



When successfully installed:

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

1.4 Jooxter calendar connector configuration

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

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 to connect to your Jooxter online server

The upper part of the `configuration.xml` (tag `<scc:server>`) allows to configure the connexion to your `Jooxter` online server.

The connector is able to connect to your `Jooxter` with several accounts at a time with only one `configuration.xml` file. In this case, a unic `serverId` value must be created for each `Jooxter` account.

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 `serverId1` example with `Jooxter` available with the URL ``:

```
<scc:server id="serverId" type="jooxter">
  <scc:baseuri>https://app.jooxter.com</scc:baseuri>
  <scc:authentication type="body-authentication">
    <scc:credentials>
      <scc:username>myUsername</scc:username>
      <scc:password>myPassword</scc:password>
    </scc:credentials>
  </scc:authentication>
</scc:server>
```

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 event of 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.

A calendar is created inside the `<scc:calendars>` tags:

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

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

This is an example of calendars tag with three calendarId:

- `rooms12`,
- `roomsw1w2`,
- `roomsw3w4`,

It is assumed in the example that:

- the resources account emails used inside tags are respectively available and properly configured in the Microsoft Exchange Server or Office 365 whose id (example `url(#serverId1)`) is specified just above.

```
<scc:calendars>
  <scc:calendar id="room1" server="url(#serverId)">
    <param name="resource">92211</param>
    <param name="label">Room 1</param>
    <param name="startRelated">day-start</param>
    <param name="endRelated">day-end</param>
    <param name="cachePersistence">0</param>
  </scc:calendar>
  <scc:calendar id="room_1_2_3" server="url(#serverId)">
    <param name="resource" value="Room 1">92211</param>
    <param name="resource" value="Room 2">92212</param>
    <param name="resource" value="Room 3">92213</param>
    <param name="startRelated">day-start</param>
    <param name="endRelated">day-end</param>
    <param name="cachePersistence">0</param>
  </scc:calendar>
</scc:calendars>
```

Room label rename

In the example, the resource name (ex: 92211, name given by IT department) is overwritten by a friendly custom label (ex: `Room 1`).

Renaming method when the calendarId (ex: `room_1`) contains only one resource calendar:

```
<scc:calendar id="room_1" server="url(#serverId)">
  <param name="resource" value="Room 1">92211</param>
</scc:calendar>
```

Working day

To remove the events programmed outside the working range (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">8:00</param>
    <param name="dayEndTime">19:00</param>
  </scc:workingday>
</scc:generalsettings>
```

1.5 Jooxter calendar connector's output URL

To test successfully the `Briva-calendar JOOXTER` with your computer and get the event of the day:

- the `configuration.xml` file of the `jooxter-calendar` connector must be properly configured:
 - calendar system datasource with appropriate:
 - calendar system URL
 - `calendarId` value, gathering the events of the day for or several resources calendars,
 - alarms .

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

URL to get the .ics calendar

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

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

URL to get the .xml calendar

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

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

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

3.1 Appendix: Jooxter administration

Connect to the Jooxter administration Web interface (e.g. <https://admin.app.jooxter.com/admin>) with your user login credentials having an administrator profile.

These items are available:

- ① Account ,
- ② Buildings ,
- ③ Floors ,
- ④ Resources ,
- ⑤ Devices ,
- ⑥ Resource types ,
- ⑦ Resource groups ,
- ⑧ Corporations ,
- ⑨ Users ,
- ⑩ Users groups ,
- ⑪ Export .

The screenshot shows the Jooxter administration interface. On the left is a vertical sidebar with icons and labels: Home, Account (1), Buildings (2), Floors (3), Resources (4), Devices (5), Resource Types (6), Resource Groups (7), Corporations (8), Users (9), User groups (10), Export (11), Intégrations, and Ask for support ?. Above the sidebar is a horizontal navigation bar with icons for Account, Corporations, Buildings, Floors, Resources, Users, and Resource Types. Below the sidebar is a grid of icons for Account, Corporations, Buildings, Floors, Resources, Users, and Export. The bottom right corner of the page says "2022 © Jooxter".

New resource creation

To create a new resource, click on the Resources ④ item then scroll to the bottom.

The screenshot shows the Jooxter administration Resources list page. The sidebar on the left has the Resources item (4) highlighted. The main area has a search form with fields for Name, Resource Type, Capacity, Building, Labels, Bookable only, Visible only, and a Search resources button. Below the search form is a table titled "Resources list" with columns for Name, Resource Type, and Capacity. The table contains 15 rows of room data, all listed as "Stand-up meeting room" with a capacity of 10.

Name	Resource Type	Capacity
Ressource 1	Amphitheatre meeting room	5
Ressource 2	Amphitheatre meeting room	6
Room 1	Stand-up meeting room	10
Room 10	Stand-up meeting room	10
Room 11	Stand-up meeting room	10
Room 12	Stand-up meeting room	10
Room 13	Stand-up meeting room	10
Room 2	Stand-up meeting room	10
Room 3	Stand-up meeting room	10
Room 4	Stand-up meeting room	10
Room 5	Stand-up meeting room	10

Click on the Add a new resource button.

admin.app.jooxter.com/resources?a=true

Name	Resource Type	Capacity
Ressource 1	Amphitheatre meeting room	5
Ressource 2	Amphitheatre meeting room	6
Room 1	Stand-up meeting room	10
Room 10	Stand-up meeting room	10
Room 11	Stand-up meeting room	10
Room 12	Stand-up meeting room	10
Room 13	Stand-up meeting room	10
Room 2	Stand-up meeting room	10
Room 3	Stand-up meeting room	10
Room 4	Stand-up meeting room	10
Room 5	Stand-up meeting room	10
Room 6	Stand-up meeting room	10
Room 7	Stand-up meeting room	10
Room 8	Stand-up meeting room	10
Room 9	Stand-up meeting room	10

[Cancel](#) [Add a new resource](#)

Fill the appropriate attributes for your resource:

- `'Name'`,
- `Description`,
- `Is bookable`,
- `Is visible`,
- `Capacity`,
- `Building`,
- `Floor`,
- `Booking days and time range`.

If a meeting confirmation is required, scroll to the bottom.

admin.app.jooxter.com/addresource

Home > Resources > Resource

User Interface | Labs Innes | Log out

Resource

Name *: Room 14

Is bookable:

Is visible:

Description: Room 14 desc

Resource Type *: Stand-up meeting room

Capacity *: 10

Building *: Innes

Floor: Floor 0 (0)

Resource Group: All resources

Owner: Labs Innes

And choose the `Check-in required` option with a value for the `delay to checkin`.

Resource Type *: Stand-up meeting room

Capacity *: 10

Building *: Innes

Floor: Floor 0 (0)

Resource Group: All resources

Owner: Labs Innes

Labels:

Open hours

From 00:00 to 23:59

Mon Tu We Th Fr Sa Su

Add rule

Details

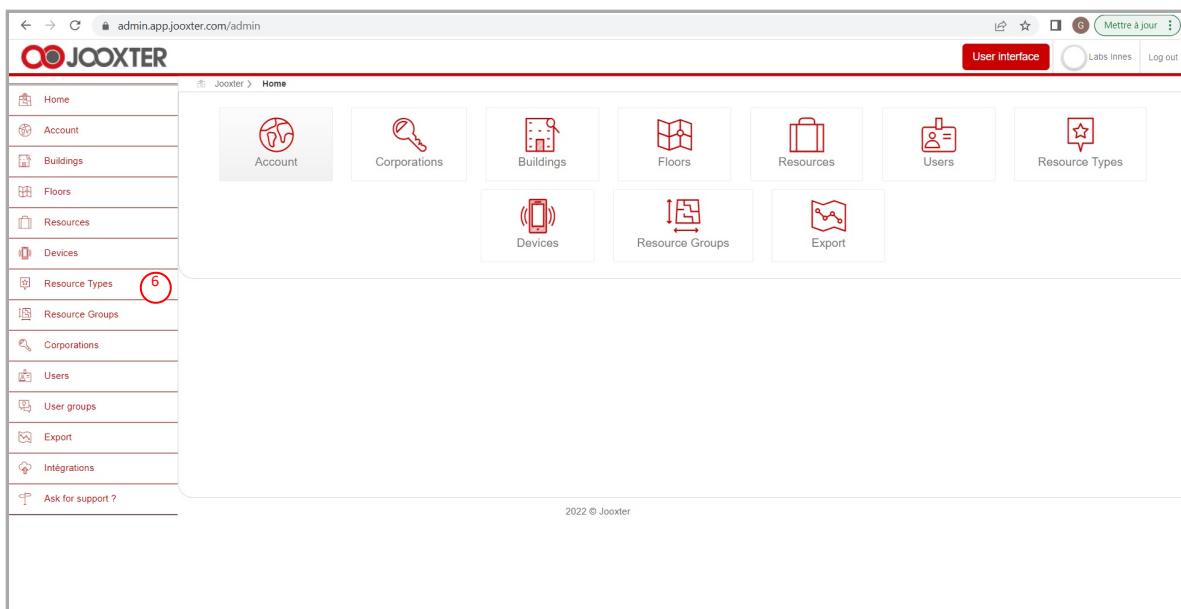
Check-in required

Delay to checkin: 30 minutes

It is advised to have the same check-in configuration for all the resources that are used by a same project.

New resource type creation

To create a new resource type, click on the Resources type **(6)** item.



Click on the Add a new resource type button.

Name	Short name	Delete
Amphitheatre meeting room	AMR	
Department meeting room	DMR	
Stand-up meeting room	SUMR	

Show 10 entries

Cancel | Add a new resource type

Fill the resource type attributes:

- Resource type name ,
- Booking minimum duration ,
- Booking maximum duration ,

To allow recurring event, click on the Recurrence button.

The actions performed on this screen are reserved for experienced administrators. These actions can affect Jooxter's behavior. Feel free to contact Jooxter support for assistance.

Resource type info

Name * Short name *

Metatype * Meeting room

Min duration 0 hours 0 minutes Max duration 0 days 0 hours 0 minutes

Recurrence

Pictogram classic Icon size on map Medium Display resource name on map

Add an option Nom...

Retrieve your resource Id

Once the resource are created, to retrieve the Jooxter resource Id required to fully fill the SignMeeting datasource, click on the Resources (4) item.

Name	Resource Type	Capacity
Ressource 1	Amphitheatre meeting room	5
Ressource 2	Amphitheatre meeting room	6
Room 1	Stand-up meeting room	10
Room 10	Stand-up meeting room	10
Room 11	Stand-up meeting room	10
Room 12	Stand-up meeting room	10
Room 13	Stand-up meeting room	10
Room 2	Stand-up meeting room	10
Room 3	Stand-up meeting room	10
Room 4	Stand-up meeting room	10
Room 5	Stand-up meeting room	10

Watch the URL in your Web browser. The resource Id is located at the end of the URL (in the example, the resource Id for Room 1 is 92211).

The screenshot shows the JOOXTER User Interface at the URL admin.app.jooxter.com/displayresource.thing?r=92211. The page title is "Resource". The left sidebar has a red circle with the number "4" over the "Resources" link. The main content area is titled "Resource info" and displays the following details for a room resource:

Resource info	
Name :	Room 1
Description :	Room 1 desc
Capacity :	10
Resource Type :	Stand-up meeting room
Building :	Innes
Floor :	Floor 0 (0)
Owner :	Labs Innes (labs@innes.fr)
Request owner validation	<input type="checkbox"/>
Is bookable :	<input checked="" type="checkbox"/>
Is visible :	<input checked="" type="checkbox"/>
Check-in required :	<input checked="" type="checkbox"/>
Delay to checkin :	30
Labels	
Groups :	<input checked="" type="radio"/> All resources

Restart the operation for each by clicking on the other resource name rows, the one after the other.

3.2 Appendix: Jooxter calendar system

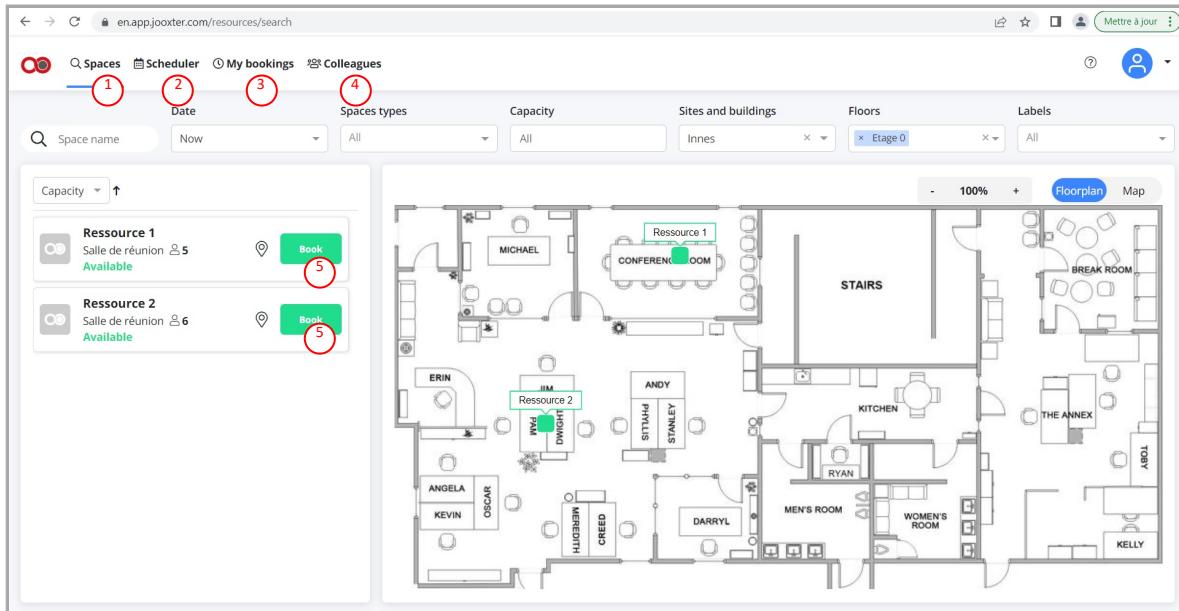
Connect to the Jooxter calendar Web interface (e.g. <https://en.app.jooxter.com/>) with your login credentials.

These several views are available:

- **1** Spaces ,
- **2** Scheduler ,
- **3** My bookings ,
- **4** Colleagues .

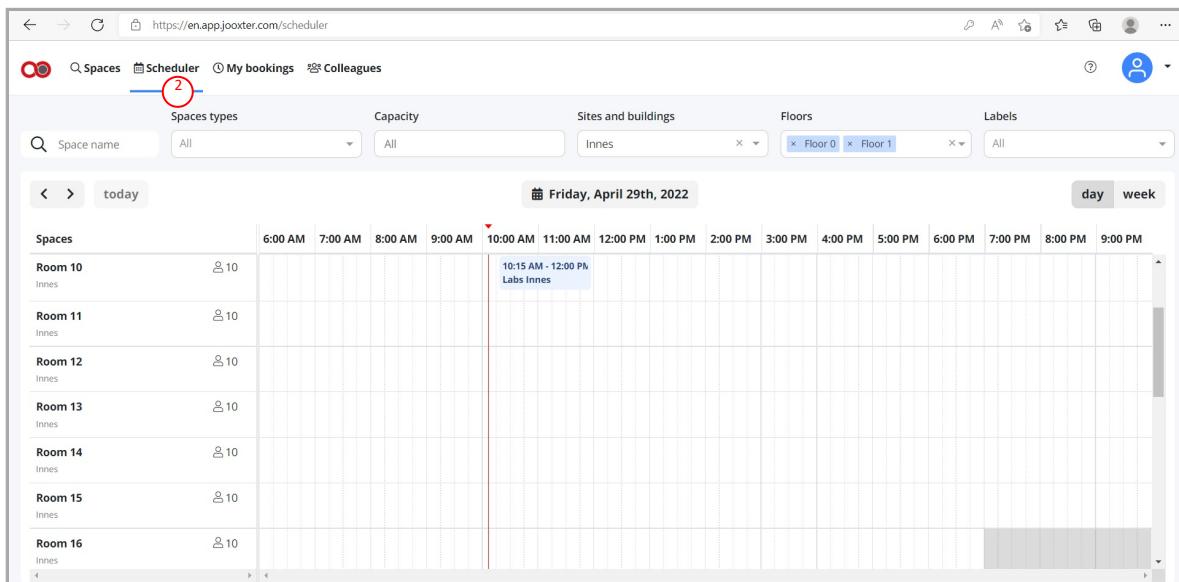
Spaces tab

From the default **Spaces** **1** tab, it is possible to visualize the resource location. To create a new event, click on the **Book** **5** button.



Scheduler tab

To add a meeting in the **Scheduler** **2** tab, click on a calendar timeslot of the appropriate resource.



Then fill the event attributes:

- title **6**,
- start date **7**,
- start time **8** and end time **9**.

Check on of the button to apply a preprogrammed timeslot for your event:

- Book all day **11** option in case your event must fill all the day with preprogrammed time range (e.g. 8:30 AM - 6h30 PM),
- Morning **12** option in case your event must fill all the day (8:30 - 1:00 PM),
- Afternoon **13** option in case your event must fill all the day (8:30 - 1:00 PM)

Note: The Book all day option is available only when there is no event at all already programmed in the day.

To define the event recurrence, click on the **One time** button.

Select the resource name's calendar (14) in which the event must be created.

The screenshot shows the Jooxter Scheduler interface. On the left, a list of rooms (Room 10 to Room 16) is shown with their capacities and locations. In the center, a calendar grid for Friday, April 29th, 2022, displays a booking from 10:15 AM to 12:00 PM for 'Labs Innes' in 'Room 11'. The right side shows the booking details for 'Room 11' (Stand-up meeting room, capacity 10, Innes Floor 0). The booking summary includes: Booked by 'Labs Innes' (6), Date 'Apr 29, 2022' (7), Time range '10:15 AM - 10:30 AM' (8-9), and duration categories 'All Day' (11), 'Morning' (12), 'Afternoon' (13). The location dropdown is set to 'Room 11' (14). The booking button is labeled 'Book'.

Scroll to the bottom to click on the `More options` button to fill additional event attributes:

- organizer (13)
- public/private (14),
- description (15),
- local attendees (16).

Enter the three first characters of an attendee name of your organization to display the available attendees name having this characters subset.

Click on the `Or add an external attendee` (17) button to add to your event some external attendees which are not part of your organization.

This screenshot shows the same booking interface as above, but with the 'More options' section expanded on the right. It includes fields for 'organizer' (13), 'public/private' (14), 'description' (15), and 'local attendees' (16). Below these, there is a search field for 'Search for a person:' (17) and a button for 'Or add an external attendee'. The rest of the interface remains the same, showing the room list, calendar grid, and booking summary.

In Jooxter, it is not possible to create a meeting having a start date in the past.

In Jooxter, it is not possible to change a fix duration event into an all day long event. To work around, delete your event to empty the resource calendar for this day and create your all day long event.

Delete a meeting

To delete a event, click on the event (18) in the resource calendar, then press on the `Delete` (19) button.

The screenshot shows the Jooxter Scheduler interface. On the left, a grid view displays available rooms (Ressource 1 and Ressource 2) and their capacities (5 and 6 respectively). On the right, a detailed view of a selected meeting for "Ressource 1" from 8:00 AM to 9:00 AM on April 28th, 2022. The meeting is titled "Meeting" and is associated with "Labs Innes". The "Delete" button at the bottom of the right panel is circled in red.

⚠️ In Jooxter, it is not possible to modify or remove an event taking place in the past.

Checkin/checkout a meeting

The checkin **(20)** button allow to validate that some attendees are really attending the meeting. While the meeting is not checked in, the meeting can be deleted **(21)**.

The screenshot shows the Jooxter Scheduler interface. A meeting is listed for "Ressource 2" from 9:19 AM to 10:19 AM on April 27th, 2022. The meeting details include "test in the past", "Wednesday, 27 April 2022", "16:10 • 18:15", and "Labs Innes". The "Checkin" button is highlighted in green and circled in red. The "Delete" button at the bottom is also circled in red.

Once the checkin **(20)** is done, the meeting can not be deleted because the Delete **(21)** button is not available. In this case, only the event modification, by clicking on the Modify **(22)** button, is supported.

The **checkout** (23) button allows to terminate the event by shortening it when the meeting is over. That allows to free up the resource.

The screenshot shows the Jooxter Scheduler interface. A booking for 'Ressource 2' is selected. The booking details are shown in a modal window:

- Ressource 2** (Salle de réunion, 6)
- Innes Floor 0
- Wednesday, 27 April 2022
- 16:10 • 18:15
- Labs Innes

A red circle highlights the **Checkout** button in the top right corner of the modal window.

☞ A event just created, whose date is today and start time is set to a value in less than 15 minutes from now is automatically checked-in by the Jooxter calendar system.

Predefined time ranges

The default preprogrammed time ranges are defined in your account profile:

- Morning : 8:30 AM - 1:00 PM,
- Afternoonning : 1:00 PM - 6:30 PM,
- All Day : 8:30 AM - 6:30 PM.

To modify these preprogrammed time ranges, click on the **Profile** item.

The screenshot shows the Jooxter Scheduler interface. A booking for 'Room 18' is selected. The booking details are shown in a modal window:

- Room 18 (Innes)
- Friday, May 6th, 2022
- 16:10 • 18:15

A red circle highlights the **Modify** button in the bottom right corner of the modal window.

Click on the `modify` button.

The screenshot shows the Jooxter user profile modification interface. At the top right, there are buttons for 'Modify' and 'Reset password'. Below this, there are sections for basic information like Email (labs@innes.fr), Phone number, Building (Innes), Corporation (Innes), Department, Profile, Language (English), and Type (Admin). Under 'Authentication method', it shows 'jooxter'. Under 'Registered since', it shows '2/28/17, 5:06 PM'. Under 'Groups', it shows 'All'. At the bottom, there's a 'Default week' section with time range profiles for each day from Monday to Friday. The 'Monday' row shows two time ranges: 12:00 AM to 1:00 PM and 1:00 PM to 11:45 PM. The 'Default week' section has a red border around the 'Mettre à jour' button at the top right.

Scroll to the bottom and in the `Default week` part, change the time range profile for each day.

This screenshot shows the same Jooxter profile modification page, but the focus is on the 'Default week' section. It displays time range profiles for each day of the week. For each day, there are two rows of time range inputs. The first row for Monday shows 12:00 AM to 1:00 PM and 1:00 PM to 11:45 PM. The second row for Monday shows 12:00 AM to 1:00 PM and 1:00 PM to 11:45 PM. Similar profiles are shown for Tuesday through Friday. The 'Default week' section has a red border around the 'Mettre à jour' button at the top right.

Scroll to the top and click on the `Update` button to finalize the operation.

The maximum end time in the input is 11:45 PM. To set the value 11:59 PM, click in the input, enter the 11:59 with your keyboard, then select 11:59 PM.

3.3 Appendix: .xml calendar format

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

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

For example:

- http://192.168.1.100/plugnCast/.applets/.jooxter-calendar/2xml-daycalendar.php?id=room_1_2_3

```
<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>
```

3.4 Appendix: .ics calendar format

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

3.5 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.

3.6 Appendix: XML entities

Here are some XML entities:

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