INNES

User manual

YPareo Connector

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Introduction

This document provides installation and deployment information for administrators planning to deploy the **ypareo-calendar** compatible with Innes digital signage.

The **ypareo-calendar** is the bridge piece that allows the Innes devices to communicate with internal or external *YPareo* servers.

To guarantee a correct deployment, the **ypareo-calendar** must be installed and configured.

System Requirements

The requirements must be met before the installation.

- Innes Briva Server V2.10.10+,
- YPareo database,
- Version Net Ypareo: 3.7.11 to 3.11.7. *If you use another version, the REST API must be compatible.*

The Innes server must be a Windows based operating system.

The web services REST YPareo must be accessible via the server address and the user token.

The following webservices are addressed:

- **GET /r/v1/salles** is used to retrieve the room label based on the "codeSalle".
- **GET /r/v1/planning/@dateDebut/@dateFin/salles** is used to retrieve the events occurring for the given list of rooms.
- **GET /r/v1/groupes/@codeGroupe** is used to retrieve the "etenduGroupe" value which will be used for the meeting label.

Applet Configuration: ypareo-calendar
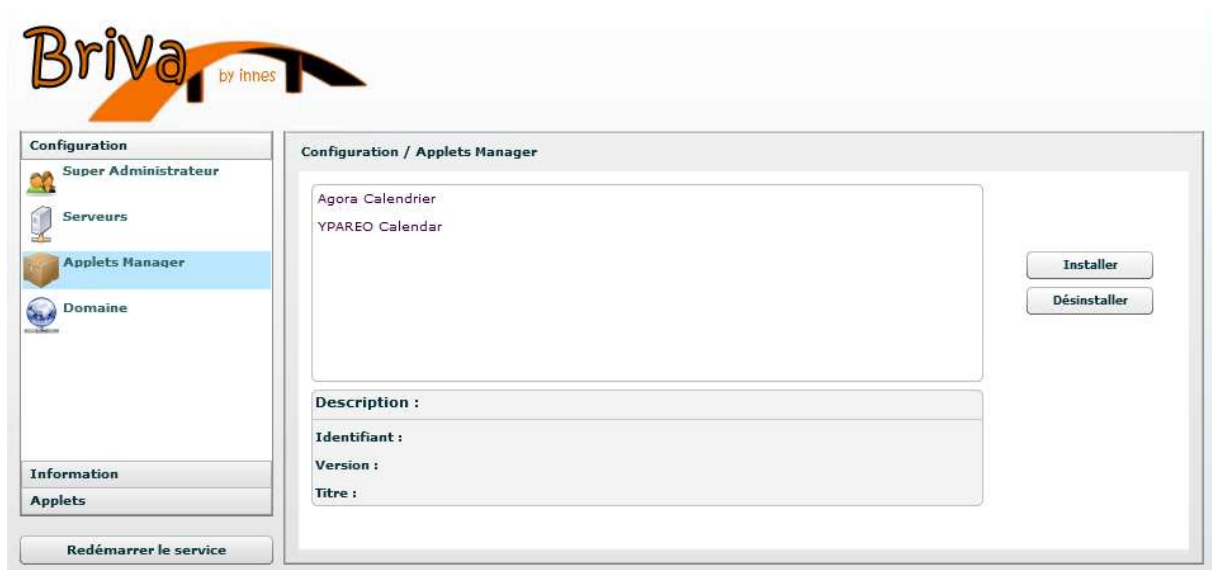
1. Installation

1.1. Go to the Innes Briva Server Web Interface with your Internet browser.

http://**<host>**/.configuration

The **<host>** is the IP address or DNS name of your Innes Briva Server.

1.2. Log-in as "Super Administrator"

1.3. Go to "Applets Manager" and click "Install" button.

1.4. Select your *ypareo-calendar.saz* file and follow the installation steps.

2. Configuration

The configuration file *configuration.xml* for **ypareo-calendar** is located here:

<Innes Data Folder>\Server\.accounts*<domain>*\.applets\.ypareo-calendar\configuration.xml

The *<Innes Data Folder>* is the data folder of Innes Briva Server.

The <domain> is your currently domain.

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

After editing the configuration file make sure that it respects the XML specification.

The configuration file must be encoded in UTF-8. Be sure that you editing software don't changes the characters encoding.

Be careful with XML escaping ([1]). Observe the following entities:

- < represents "<"
- > represents ">"
- & represents "&"
- ' represents '
- " represents "

The configuration of ypareo-calendar has two parts: 2.1 Server Configuration and 2.2 Calendar Configuration.

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[1] For detailed information http://www.w3.org/TR/xml-entity-names/ or
http://en.wikipedia.org/wiki/List_of_XML_and_HTML_character_entity_references

2.1. Server Configuration

It is possible to configure multiple servers in the configuration file. If multiple servers are configured, be sure that the id attribute of each server is unique.

Within the tag <scc:servers>, take a look to the *Example 1* in the configuration file. This example is disabled, to enable it, remove the xml commentary tags at the beginning and the end of the block.

Disabled:
```
<!-- Example 1: -->

<!--<scc:server>

…

</scc:server>-->
```

Enabled:
```
<!-- Example 1: -->

<scc:server>

…

</scc:server>
```

2.1.1. Server baseuri

The baseuri is the path to the REST webservice, formed like this:

http://<server_name>/<database_id>/index.php

2.1.2. Server token

The token to authenticate against the REST webservice.

2.1.3. Basic example

```
<scc:server id="serverId1" type="ypareo">

    <scc:label>YPareo server</scc:label>

    <scc:baseuri>http://elli.local/dfpc/index.php</scc:baseuri>

    <scc:token>dbJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpYXQiOjE1OTI5NDk2MDAsImNsd
CI6IkMwQTU1MDFBLTQ3OTEtNDI5Ni1BNTBELUY2Q0Y4NDFDDOTJBMyJ9.lWdh7qUPSfq-
LNFZ5WYWzfgrt2Nr1SIMTi89RmhY2Lg</scc:token>

</scc:server>
```

2.2. Calendar Configuration

Within the tag <scc:calendars>, take a look to the *Example 1* in the configuration file. This example is disabled, to enable it, remove the xml commentary tags at the beginning and the end of the block.

Disabled:
```
<!-- Example 1: -->

<!--<scc:calendar>

…

</scc: calendar >-->
```

Enabled:
```
<!-- Example 1: -->

<scc: calendar >

…

</scc: calendar >
```

2.2.1. Id attribute

The id attribute identifies a calendar. It is used lately as a reference to the calendar, we recommend assigning ids easy to remember.

2.2.2. Server attribute

The server attribute is a reference to a configured server. The server attribute is formed like this: url(#**<serverid>**).

Example : ***url(#myServer)***

2.2.3. Resource parameter

The resource parameter is the unique identifier for the room location. It represents the "codeSalle" in the YPareo database.

2.2.4. RequestWindow parameter

The request window parameter specifies the number of days from the present where the calendar events area retrieved. The default value is 7.

2.2.5. CachePersistence parameter

This parameter specifies the life time of the cache in seconds. The default value is 300.

2.2.6. SendCacheOnServerError parameter

The default value is false. If this parameter is enabled (value true), the connector sends the calendar from the cache (if present) in case of error while retrieving the new calendar information.

2.2.7. StartOffset parameter

This parameter specifies the end offset in seconds of the alarm. Default value is zero.

2.2.8. StartRelated parameter

This parameter specifies from where the offset is calculated. Default value is "event-start". Possible values are "event-start", "event-end", "day-start", and "day-end".

startRelated	startOffset	Result
event-start	-600	An alarm is set 600 seconds (10 minutes) before the start of the event.
day-start	0	An alarm is set at 00:00:00 of the event date.

2.2.9. EndOffset parameter

This parameter specifies the start offset in seconds of the alarm. Default value is zero.

2.2.10. EndRelated parameter

This parameter specifies from where the offset is calculated. Default value is "event-end". Possible values are "event-start", "event-end", "day-start", and "day-end".

endRelated	endOffset	Result
event-end	600	An alarm is set 600 seconds (10 minutes) after the end of the event.
day-end	0	An alarm is set at 23:59:59 of the event date.

2.2.11. Calendar Configuration Examples

2.2.11.1. Basic example

This example we will get events for room1 and room2.

```
<scc:calendar id="rooms" server="url(#innes_ypareo)">

      <!— room1 represented by "codeSalle" 1124930 →

      <param name="resource">1124830</param>

      <!— room2 represented by "codeSalle" 1182752 →

      <param name="resource">1182752</param>

</scc:calendar>
```

2.2.11.2. RequestWindow example

This example shows how to get a calendar populated with the events between the next two days from the present.

```
<scc:calendar id="rooms" server="url(#innes_ypareo)">
```

```
<param name="resource">1124830</param>

    <param name="requestWindow">2</param>

</scc:calendar>
```

2.2.11.3.   Cache Persistence example

For test purposes set `cachePersitence` parameter to zero to avoid cache confusion.

```
<scc:calendar id="rooms" server="url(#innes_ypareo)">

    <param name="resource">1124830</param>

    <param name="cachePersistence">0</param>

</scc:calendar>
```

2.2.11.4.   Display events 10 minutes before example

This example shows how to display events 10 minutes (600 seconds) before event starts. The events will disappear at the end of the event. This configuration affects all events.

```
<scc:calendar id="rooms" server="url(#innes_ypareo)">

    <param name="resource">1124830</param>

    <param name="startRelated">event-start</param>

    <param name="startOffset">-600</param>

</scc:calendar>
```

2.2.11.5.   Current and future day events example

This example shows how to display future and current events of the day. The events will disappear at the end of the event. This configuration affects all events.

```
<scc:calendar id="rooms" server="url(#innes_ypareo)">

    <param name="resource">1124830</param>

    <param name="startRelated">day-start</param>

    <param name="startOffset">0</param>

</scc:calendar>
```

2.2.11.6.   Hide events 10 minutes after their end example

This example shows how to display events 10 minutes (600 seconds) before event starts. The events will disappear 10 minutes after the end of the event. This configuration affects all events.

```
<scc:calendar id="rooms" server="url(#innes_ypareo)">

    <param name="resource">1124830</param>

    <param name="startRelated">event-start</param>

    <param name="startOffset">-600</param>
```

```
        <param name="endRelated">event-end</param>

        <param name="endOffset">600</param>

</scc:calendar>
```

2.3.   Test

You can test the whole configuration accessing to the following address:

http://**\<host>**/plugnCast/.applets/.ypareo-calendar/2ical.php?calendarId=**\<calendarId>**

The **\<host>** is the IP address or DNS of your Innes Briva.

The **\<calendarId>** is the reference of the calendar to test.

Example:

http://localhost/plugnCast/.applets/.ypareo-calendar/2ical.php?calendarId=room

This address returns a *meetingroom.ics* file that contains the result of the configured calendar.

Please, if any error message is displayed check your configuration.

You can also test your configuration by using the console mode of the view.