

User manual

Adesoft Connector

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Introduction

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

The **Adesoft-calendar** is the bridge piece allowing the Innes players to communicate with Adesoft servers.

Adesoft-calendar system must be installed and configured properly.

System Requirements

The requirements must be filled before the installation.

- Innes PlugnCast Server V2.50.31 (or above) or
- Innes Briva Server V2.50.25 (or above)
- Adesoft system with "Web service for GetEvents" activated

The following data mapping is used between the Adesoft XML and the ICS format.

XML Element	Attribut	ICS
Event	Id	UID
event	name	SUMMARY
event	date + startHour	START
event	date + endHour	END
event	lastUpdate	DTSTAMP
resource	category="classroom"	LOCATION
resource	category="instructor"	ORGANIZER
resource	category="trainee"	ATTENDEE
N/A	N/A	DESC

- If the resource "classroom" is not defined, the label from the configuration.xml file is used.
- The date/time given in the XML are assumed to be local dates and are stored as such.
- get access to the Adesoft system:

```
http://<ADRESSE_ADE>:<PORT_ADE>/direct/
```

- This is a read only access
- To find the resource IDs can run the following in a Web Browser.

```
http://<ADRESSE_ADE>:<PORT_ADE>/jsp/webapi?function=getResources&name=Salle1&detail=1&login=LOGIN_ADE&password=PASWORD_ADE&projectId=2
```

where the name of the resource is corresponding to "Salle 1".

Note: this URL includes login details and the project ID.

The response should be in the following forward indicating the resource ID.

```
<resources>
  <resource id="2"/>
</resources>
```

Applet Configuration: adesoft-calendar

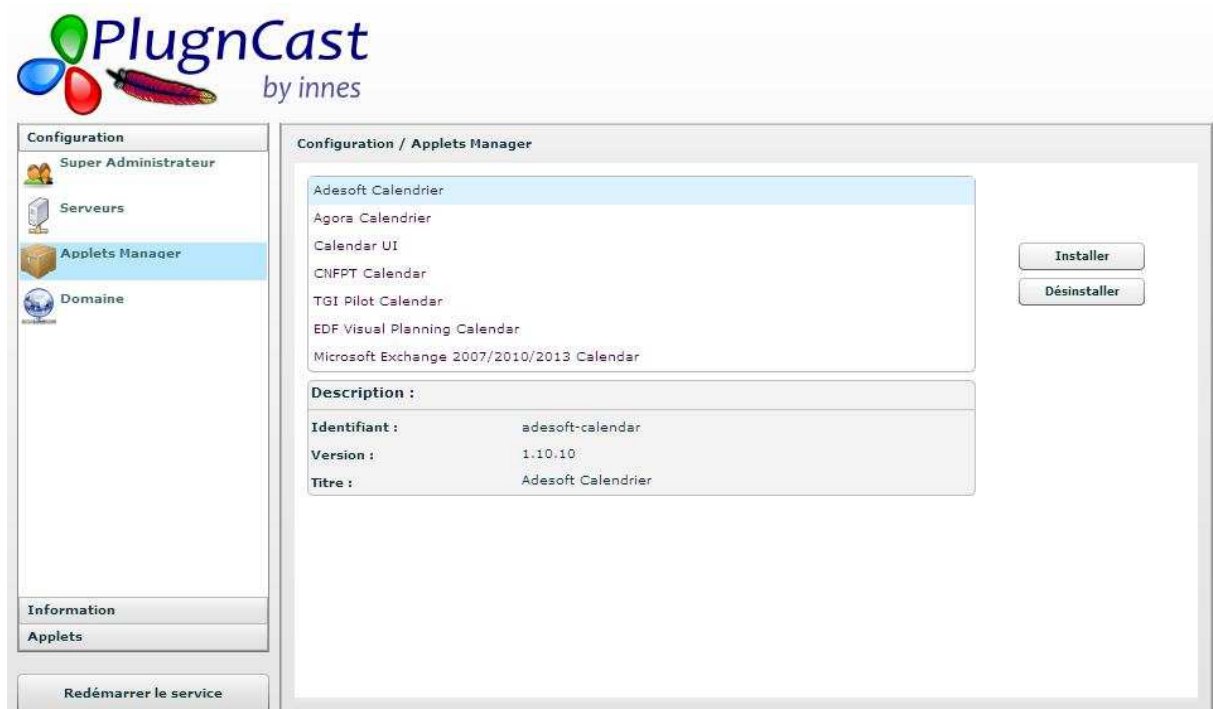
1. Installation

- Go to the Innes Briva or PlugnCast Server Web Interface with your Web browser.

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

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

- Log-in as “Super Administrator”
- Go to “Applets Manager” and click “Install” button.





- Select “*adesoft-calendar.saz*” file and follow the installation steps.

2. Configuration

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

```
<Innes Data Folder>\Server\.accounts\<domain>\.applets\.adesoft-  
calendar\configuration.xml
```

-  The **<Innes Data Folder>** is the data folder of Innes Briva or PlugnCast Server.
-  The **<domain>** is your currently domain.

2.4. Examples

In these examples **<domain>** value is **my_company**.

2.4.1. Vista Example

```
C:\Users\Public\Documents\Innes\Server\.accounts\my_company\.applets\.adesoft-  
calendar\configuration.xml
```

2.4.2. XP Example

```
C:\Documents and Settings\All Users\Documents\Innes\Server\.accounts\  
my_company\.applets\.adesoft-calendar\configuration.xml
```

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 Adesoft-calendar has two parts:

- 2.1 Server Configuration
- 2.2 Calendar Configuration

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

2.5. 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 <scs:servers>, take a look to the *Example 1* in the configuration file. In this example it is disabled. In order to enable it, remove the xml commentary tags at the beginning and the end of the block.

Disabled:

```
<!-- Example 1: -->
<!--<scs:server>
...
</scs:server>-->
```

Enabled:

```
<!-- Example 1: -->
<scs:server>
...
</scs:server>
```

2.5.1. Server baseuri

The Adesoft base URL is defined as below:

<http://ext.adesoft.com:8080/jsp/webapi>

The parameters for the function GetEvents, resources and start/end dates are automatically added by the connector.

An additional parameter project ID is required in the URL, if this is left blank the default value is used
2. If another value is required this can be defined in the server configuration, see example below.

2.5.2. Server username and password

The username to authenticate against the server.

The password to authenticate against the server.

2.5.3. Server Configuration Examples

2.5.3.1. Basic example

```
<scc:server id="serverId" type="adesoft">
    <scc:baseuri>http://ext.adesoft.com:8080/jsp/webapi</scc:baseuri>
    <scc:label>Adesoft Test Server</scc:label>
    <scc:projectId>3</scc:projectId>
    <scc:authentication type="http-authentication">
        <scc:credentials>
            <scc:username>innes</scc:username>
            <scc:password>innes</scc:password>
        </scc:credentials>
    </scc:authentication>
</scc:server>
```

In the above example the project Id has been set to 3.

2.6. 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 >
```

2.6.1. 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.

2.6.2. Server attribute

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

Exemple : **url(#myServer)**

2.6.3. Database parameter

This parameter is not used in the Adesoft connector.

2.6.4. Resource parameter

The resource parameter is the internal resource ID in the Adesoft system. **For each calendar it is mandatory to define the resource(s) that will be present.** The procedure to follow to get the resource IDs is defined in the system requirement chapter.

The rest of the calendar parameters are optional and for advanced use.

2.6.5. RequestWindow parameter

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

2.6.6. CachePersistence parameter

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

2.6.7. 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.

2.6.8. Label parameter

The value of this parameter is used if **no classroom resource** is found.

2.6.9. StartOffset parameter

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

2.6.10. 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.

2.6.11. EndOffset parameter

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

2.6.12. 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.

2.6.13. Calendar Configuration Examples

2.6.13.1. Basic Examples

Get a calendar with a single resource/room

```
<scc:calendar id="rooms" server="url(#innes_adesoft)">
  <param name="resource">2</param>
</scc:calendar>
```

2.6.13.2. Advanced Examples

Multiple resources

This example we will only get events for room1 and room2.

```
<scc:calendar id="rooms" server="url(#innes_adesoft)">
  <param name="resource">2</param>
  <param name="resource">3</param>
  <param name="resource">8</param>
</scc:calendar>
```

RequestWindow

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_adesoft)">
  <param name="resource">2</param>
  <param name="requestwindow">2</param>
</scc:calendar>
```

Cache persistence

For test purposes set cachePersistence parameter to zero to avoid cache confusion.

```
<scc:calendar id="rooms" server="url(#innes_adesoft)">
  <param name="resource">2</param>
  <param name="cachePersistence">0</param>
</scc:calendar>
```

Display events 10 minutes before

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.

```
<fcc:calendar id="rooms" server="url(#innes_adesoft)">
  <param name="resource">2</param>
  <param name="startRelated">event-start</param>
  <param name="startOffset">-600</param>
</fcc:calendar>
```

Current and future day events

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.

```
<fcc:calendar id="rooms" server="url(#innes_adesoft)">
  <param name="resource">2</param>
  <param name="startRelated">day-start</param>
  <param name="startOffset">0</param>
</fcc:calendar>
```

Hide events 10 minutes after their end

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.

```
<fcc:calendar id="rooms" server="url(#innes_adesoft)">
  <param name="resource">2</param>
  <param name="startRelated">event-start</param>
  <param name="startOffset">-600</param>
  <param name="endRelated">event-end</param>
  <param name="endOffset">600</param>
</fcc:calendar>
```

Enable send calendar cache on server error

This example shows how to enable sendCacheOnServerError parameter. The connector sends the calendar in the cache (if present) in case of error while retrieving the new calendar information.

```
<fcc:calendar id="rooms" server="url(#innes_adesoft)">
  <param name="sendCacheOnServerError">true</param>
</fcc:calendar>
```

2.7. Test

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

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

- The **<host>** is the IP address or DNS of your Innes Briva or PlugnCast Server.
- The **<calendarId>** is the reference of the calendar to test.

Example:

http://localhost/plugnCast/.applets/.adesoft-calendar/2ical.php?calendarId=all_rooms

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.

It is possible to run the connector in debug mode by using the following URL

http://localhost/plugnCast/.applets/.adesoft-calendar/2ical.php?calendarId=all_rooms&debug=yes

This will show the connector running step by step which can allow more detailed troubleshooting.