User manual

Zimbra Connector

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Manual version 005A

Introduction

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

The **zimbra-calendar** is the bridge piece that allows the Innes players to communicate with internal or external Zimbra servers.

The next steps must be followed to guarantee a correct deployment.

- Install and configure **zimbra-calendar**
- Configure the view

System Requirements

The requirements must be met before the installation.

- Innes Briva Server V2.50.25 or higher –or- Innes PlugnCast Server V2.50.31 or highter
- Zimbra 8.x server.

On the Zimbra server a specific user account must be defined. All resources/mailboxes that will be viewed by the Zimbra connector must be shared to that user account. This user account will then be used to get information from the Zimbra server.

A maximum of twenty resources/mailbox's can be used by the Zimbra connector.

Meetings/Events that have a "Private" status will not be displayed.

NB The organizer can be defined in *three* different ways.

First choice in the description enclose the organizer's name between two hash tags.

Eg. #John Smith#

The organizer will be set to John Smith and the text #John Smith# will be removed from the description.

The *second choice* is the actual meeting organizer.

The *third choice* is the last optional attendee.

Obviously only one choice will be used for a given meeting, the order is as above. If none of the above are defined then no organizer will be defined for the meeting.

Applet Configuration: zimbra-calendar

1. Installation

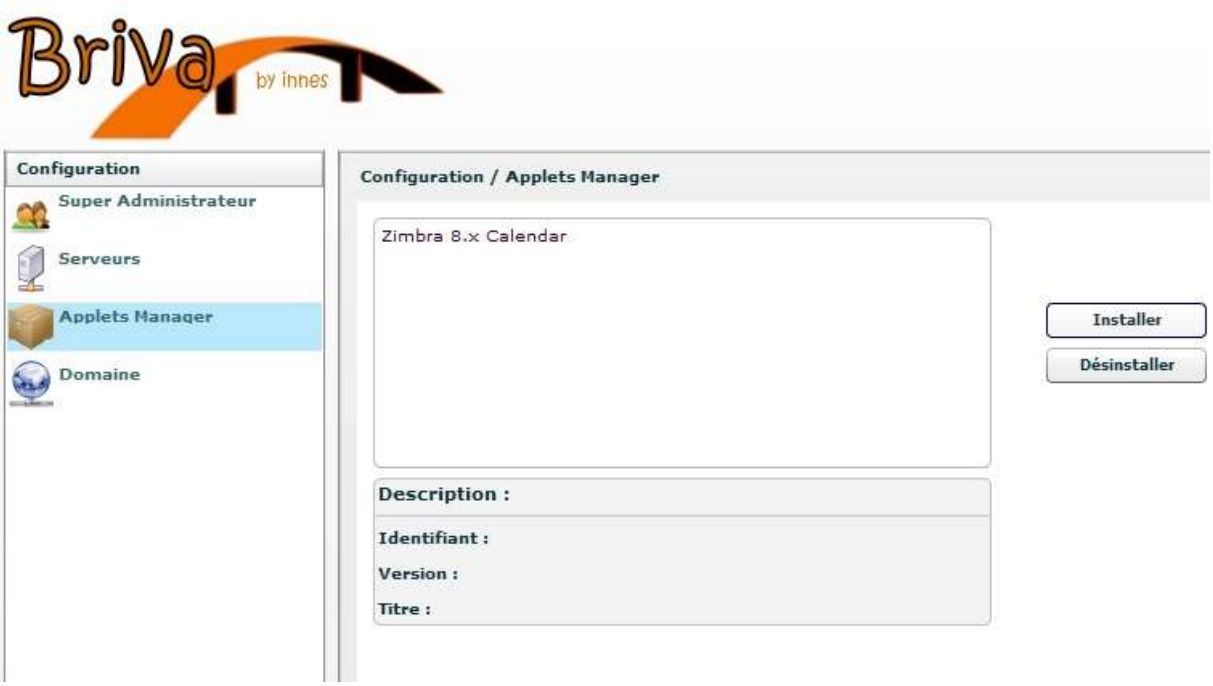
1.1. Go to the Innes Briva or PlugnCast Server Web Interface with your Internet browser.

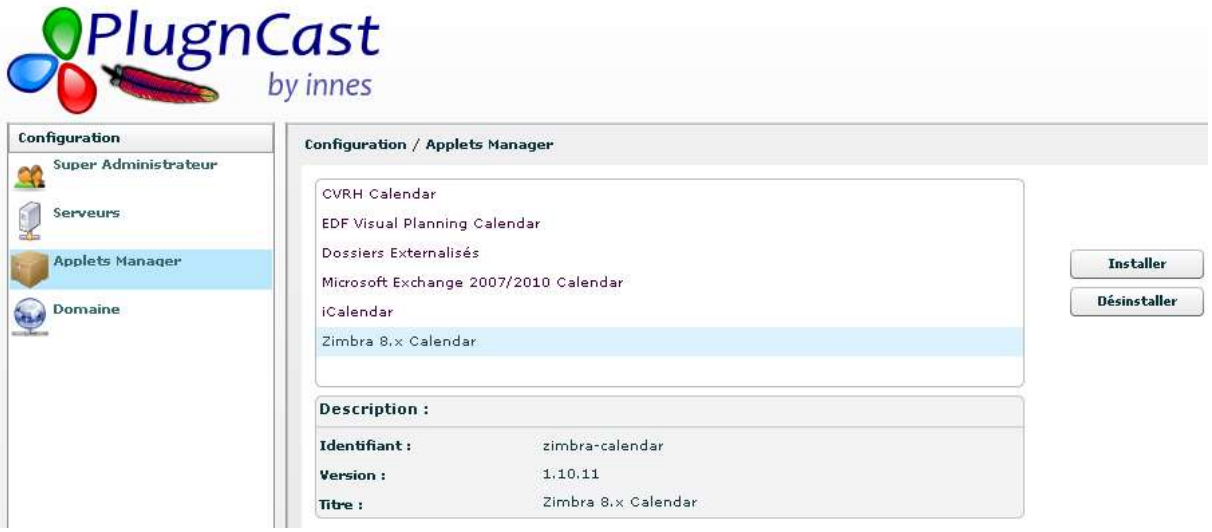
http://**<host>**/.configuration

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

1.2. Log-in as “Super Administrator”

1.3. Go to “Applets Manager” and click “Install” button.





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

2. Configuration

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

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

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

The <domain> is your currently domain.

Examples

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

Vista Example

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

XP Example

C:\Documents and Settings\All Users\Documents\Innes\Server\.accounts\ **my_company**\.applets\.zimbra-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 zimbra-calendar has two parts: **2.1 Server Configuration** and **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

2.1. 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 formed like this: **<protocol>**://**<host>**/**<path>**.

2.1.2 Server username

The username to authenticate against the server (Optional).

2.1.3 Server password

The password to authenticate against the server (Optional).

2.1.4 Server Configuration Examples

2.1.4.1 Basic example

```
<scc:server id="innes_zimbra" type="zimbra">
	<scc:baseuri>https://mail.myserver.com/</scc:baseuri>
	<scc:label>Zimbra 8.0.9 Server</scc:label>
	<scc:authentication  type="http-authentication">
		<scc:credentials>
			<scc:username>usersignage</scc:username>
			<scc:password>innes1234</scc:password>
		</scc:credentials>
	</scc:authentication>
</scc:server>
```

2.2 Calendar Configuration

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

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>**).

Exemple : ***url(#myServer)***

2.2.3 Resource parameter

The resource parameter is the name of the resource, for resource mail boxes. This could also be an account name for normal mailboxes. The account name is the local part of the email address (before the @ sign).

Eg for john.smith@zimbra.net the account name is john.smith

The following parameters are optional and for advanced use.

In case using a Zimbra server with shared domains, do use the complete email address.

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 (available since version V1.10.15)

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 Label parameter

The value of this parameter replaces location property of the calendar events.

2.2.8 StartOffset parameter

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

2.2.9 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.

2.2.10 EndOffset parameter

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

2.2.11 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.

2.2.13 Calendar Configuration Examples

2.2.13.1 Basic Examples

2.2.13.1.1 Basic Zimbar

```
<scc:calendar id="rooms" server="url(#innes_zimbra)">
	<param name="resource">room1</param>
	<param name="resource">room2</param>
</scc:calendar>
```

2.2.13.2 Advanced Examples

2.2.13.2.1 Multiple resources (Summarization)

2.2.13.2.1 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_zimbra)">
	<param name="resource">room1</param>
	<param name="resource">room2</param>
	<param name="requestWindow">2</param>
</scc:calendar>
```

2.2.13.2.3 Cache persistence

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

```
<scc:calendar id="rooms" server="url(#innes_zimbra)">
	<param name="resource">room1</param>
	<param name="resource">room2</param>
	<param name="cachePersistence">0</param>
</scc:calendar>
```

2.2.13.2.4 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.

```
<scc:calendar id="rooms" server="url(#innes_zimbra)">
	<param name="resource">room1</param>
	<param name="resource">room2</param>
	<param name="startRelated">event-start</param>
	<param name="startOffset">-600</param>
</scc:calendar>
```

2.2.13.2.5 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.

```
<scc:calendar id="rooms" server="url(#innes_zimbra)">
	<param name="resource">room1</param>
	<param name="resource">room2</param>
	<param name="startRelated">day-start</param>
	<param name="startOffset">0</param>
</scc:calendar>
```

2.2.13.2.6 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.

```
<scc:calendar id="rooms" server="url(#innes_zimbra)">
	<param name="resource">room1</param>
	<param name="resource">room2</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>
```

2.2.13.2.7 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.

```
<scc:calendar id="rooms" server="url(#innes_zimbra)">
        <param name="resource">room1</param>
        <param name="resource">room2</param>
        <param name="sendCacheOnServerError">true</param>
</scc:calendar>
```

2.3 Test

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

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

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

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

Example:

http://localhost/plugnCast/.applets/.zimbra-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.

2.3 Limitations

⚠ When an ALL_DAY meeting is programmed in Zimbra calendar, the .ics calendar file cannot be built properly by the applet.

The error raised in this case is described below.

http://<briva_server_ip_addr>/plugnCast/.applets/.zimbra-calendar/2ical.php?calendarId=<calendar_name>&debug=yes

Notice: convertDatetoDate, Exception DateTime::__construct() [datetime.--construct]: Failed to parse time string (@) at position 0 (@): Unexpected character in **C:\Users\Public\Documents\Innes PlugnCast\Server\.shared\.applets\.zimbra-calendar\services\ZimbraProxy.php** on line **299**

Notice: Undefined variable: dt in **C:\Users\Public\Documents\Innes PlugnCast\Server\.shared\.applets\.zimbra-calendar\services\ZimbraProxy.php** on line **303**

Notice: convertDatetoDate : in **C:\Users\Public\Documents\Innes PlugnCast\Server\.shared\.applets\.zimbra-calendar\services\ZimbraProxy.php** on line **294**

View Configuration

Multiple views can be proposed in our system, please follow the installation instructions of you specific view.