

# **jAPS – Plugin jpcalendar**

## **Do It The jAPS Way**

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# **jAPS – Plugin jpcalendar**

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## **Abstract**

The purpose of this document is to provide a complete description of the Plugin "jpcalendar" structure.

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# Chapter 1. Scope of the document

## Introduction

The purpose of this document is to provide a complete description of the Plugin "jpcalendar" structure.

## Target audience

This document is intended for those who wish to know the capabilities of the jAPSPlugin "jpcalendar" and is considering the possible integration into a running production environment or in its Development Environment (IDE Eclipse Project).

The document is addressed to both System Administrators and java Developers.

## Prerequisites

In order to take maximum advantage from the present document, it is necessary to have basic knowledge about: the Java platform, the Eclipse IDE, the Apache Tomcat servlet engine, the PostgreSQL DBMS.

## Resources

Additional informations may be obtained through the following mailing-lists:

- <japs-devs@lists.sourceforge.net>, focused on developers
- <japs-users@lists.sourceforge.net>, focused on final users

Is it also possible to refer to the documentation found in the:

jAPS 2.0 Project - Developer Website [<http://dev.japsportal.org/>]

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# Chapter 2. Characteristics of the Plugin

## Characteristics of the Plugin

The Plugin *jpcalendar* displays a monthly calendar. The days of the month are displayed with the following criteria:

- today's date is displayed in *bold* format
- the days without events are shown in *normal* format
- the days with events are displayed in *underlined* format

These days are a link to the page, responsible to display the events of the day selected.

### **today's date**

If today's date has events it will be displayed in the *bold* and *underlined* format

**Table 2.1. Characteristics summary**

Code	Name	Type	Plugin version	jAPS 2.0 version
jpcalendar	Calendar	PurePlugin	1.2	2.0.10, 2.0.8
jpcalendar	Calendar	PurePlugin	1.1	2.0.8

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# Chapter 3. Installation and Integration

## Installation and Integration

### Specifications

The plugin has the characteristic of *PurePlugin*, its installation does not change any functionality in the system. The module presents a set of interfaces for the Front-End, payable through Showlet *External Framework*. These interfaces do not contain any graphical element. In this way it's possible to decorate it in any specific instance of jAPS 2.0.

### The package

The package contains:

Readme	It is a brief description of the Plugin and its license
doc	The directory <code>doc</code> contains this document
src/sql	The directory <code>src/sql</code> contains SQL script to execute in your db
src/java	The directory <code>src/java</code> contains the java code and the junit test
src/webapp	The directory <code>src/webapp</code> contains files to import in your existing project or portal

### Integration in a Production Environment

The following activities are to be carried out after the stop of the Web Application.

To install the plugin in a production Web Application based on jAPS 2.0 and declared compatible with the plugin. Perform the following steps (From this point on, we will assume that your new portal is called *myportal*):

- Copy the contents of the folder `src/webapp/WEB-INF/lib` of the package as supplied within the folder `myportal/WebContent/WEB-INF/lib` in production.
- Copy the contents of the folder `src/webapp/WEB-INF/plugins` of the package as supplied within the folder `myportal/WebContent/WEB-INF/plugins` in production.
- After configuration of params `CONTENT_TYPE_ID`, `NOME_ATTRIBUTO_DATA_INIZIO` e `NOME_ATTRIBUTO_DATA_FINE` and verified valued for version (it must be equal to `configVersion` of `systemParams`, the script is designed assuming the version *production*), perform tasks detailed in the file `portScript.sql` (present in the folder `src/sql`) in the db *port*, in a standard configuration the db has name *myportalPort*.

### Installation in a Development Environment

To install the plugin in an Eclipse project based on jAPS 2.0 and declared compatible with the plugin, Perform the following steps (From this point on, we will assume that your new project is called *myproject*):

- Copy the contents of the folder `src/webapp/WEB-INF/plugins` of the package as supplied within the folder `myproject/WebContent/WEB-INF/plugins/`.
- After configuration of params `CONTENT_TYPE_ID`, `NOME_ATTRIBUTO_DATA_INIZIO` e `NOME_ATTRIBUTO_DATA_FINE` and verified valued for version (it must be equal to



configVersion of systemParams, the script is designed assuming the version *production*), perform tasks detailed in the file `portScript.sql` (present in the folder `src/sql`) in the db *port*, in a standard configuration the db has name `myprojectPort`.

- Perform tasks detailed in the file `portTestScript.sql` (present in the folder `src/sql`) in the test db *port*, in a standard configuration the db has name `myprojecttestPort`.
- Copy the contents of the folder `src/java/main/com/agiletec/plugins/` in the folder `myproject/src/com/agiletec/plugins/`, create the directory `plugins` if not exists.
- Copy the contents of the folder `src/java/test/test/com/agiletec/plugins/` in the folder `myproject/src/test/com/agiletec/plugins/`, create the directory `plugins` if not exists.

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# Chapter 4. Configuration

## Configuration

In the next paragraphs we will see the steps for the plugin configuration.

### Steps of configuration

Configure a contentType (DB portalNamePort, table sysconfig, item 'contentTypes') that contains 2 attributes of type Date, for the start date and the end date.

Modify the following query in relation with the inserted contentType (see previous paragraph) and execute it in the db portalNamePort, is possible to modify the config directly on the database if already loaded on it

```
INSERT INTO sysconfig (version, item, descr, config)
VALUES ('production', 'jpcalendar_Config', 'Configurazione Calendario',
'<calendarConfig>
<contentType code="<CONTENT_TYPE_ID>" />
<dateAttributes>
<start name="<START_DATE_ATTRIBUTE>" />
<end name="<END_DATE_ATTRIBUTE>" />
</dateAttributes>
</calendarConfig>');
```

### Example 4.1. Example

Suppose that you have inside the portal the following contentType

```
<contenttype typecode="EVN" typedescr="Evento" viewpage="newsview"
listmodel="12" defaultmodel="2">
<attributes>
  <attribute name="DataInizio" attributetype="Date" indexingtype="text"
searcheable="true" required="true" />
  <attribute name="DataFine" attributetype="Date" indexingtype="text"
searcheable="true" required="true" />
  <attribute name="Luogo" attributetype="Longtext" indexingtype="text"
searcheable="true"/>
  <attribute name="Oggetto" attributetype="Hypertext" indexingtype="text"
searcheable="true"/>
  <attribute name="CorpoTesto" attributetype="Hypertext"
indexingtype="text" searcheable="true"/>
  <attribute name="Immagine" attributetype="Image"/>
  <list name="ListaLinkCorrelati" attributetype="Monolist"
nestedtype="Link"/>
  <list name="ListaAllegati" attributetype="Monolist" aaaa
nestedtype="Attach"/>
</attributes>
</contenttype>
```

The query will be:

```
INSERT INTO sysconfig (version, item, descr, config)
VALUES ('production', 'jpcalendar_Config', 'Configurazione Calendario',
'<calendarConfig>
<contentType code="EVN" />
<dateAttributes>
<start name="DataInizio" />
<end name="DataFine" />
</dateAttributes>
</calendarConfig>');

```

in the table *showletcatalog* in the db portalNamePort, create the showlet records.

```
INSERT INTO showletcatalog(
  code, titles, parameters, plugincode, parenttypecode, defaultconfig
VALUES ('jpcalendar_calendar', '<?xml version="1.0" encoding="UTF-8"?>
<properties>
<property key="en">Calendar</property>
<property key="it">Calendario</property>
</properties>', NULL, 'jpcalendar', NULL, NULL, 1);
INSERT INTO showletcatalog(
  code, titles, parameters, plugincode, parenttypecode, defaultconfig
VALUES ('jpcalendar_dailyEvents', '<?xml version="1.0" encoding="UTF-8"?>
```

```
<properties>
<property key="en">Events of the Day</property>
<property key="it">Eventi del giorno</property>
</properties>', NULL, 'jpcalendar', NULL, NULL, 1);
```

## Configuration pages

To use the *jpcalendar* plugin you need to create a page containing the showlet *jpcalendar\_calendar* and one other page containing the showlet *jpcalendar\_dailyEvents*. The showlet *jpcalendar\_calendar* need to be suitably modified:

### Example 4.2. Example of changing the showlet *jpcalendar\_calendar.jsp*

in the original *jpcalendar\_calendar.jsp*, change

```
<c:if test="${giorno.hasEvents}">
  <a href="<wp:url page="codice_pagina_eventi_del_giorno" >...
```

With:

```
<c:if test="${giorno.hasEvents}"><a href="<wp:url page="listaEventi" >
```

The page *listaEventi* must contain the showlet *Events of the Day* (*jpcalendar\_dailyEvents.jsp*). It's possibly to customize the label used by the tag “wp:i18n”.

In the row

```
<wp:content contentId="${content}" modelId="XX"/>
```

of the page *Events of the Day* configure the proper *modelId* (XX) for the list view of events.

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