

jAPS – Plugin jpcalendar

Do It The jAPS Way

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jAPS – Plugin jpcalendar

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Abstract

Lo scopo di questo documento è quello di fornire una descrizione completa della struttura del Plugin “jpcalendar”.

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Chapter 1. Scopo del documento

Introduzione

Lo scopo di questo documento è quello di fornire una descrizione completa della struttura del Plugin “jpcalendar”.

A chi è destinato

Questo documento è destinato a chi intende conoscere le funzionalità del jAPSPugin “jpcalendar”, e sta prendendo in considerazione la eventuale integrazione in un Ambiente di Produzione già funzionante o nel proprio Ambiente di Sviluppo (Progetto in IDE Eclipse).

Il documento è indirizzato sia a Sistemisti (responsabili di installazioni di Applicazioni su base jAPS2) che a Java Developers (con una conoscenza base del Framework jAPS2).

Prerequisiti

Per poter utilizzare efficacemente le informazioni contenute in questo documento, occorre un po' di esperienza su alcune tecnologie del web base: la piattaforma Java, gli strumenti di sviluppo Eclipse, il servlet engine Apache Tomcat, il database PostgreSQL, e del Framework jAPS2.

Riferimenti

Ulteriori informazioni possono essere richieste scrivendo alle seguenti mailing-list:

- <japs-devs@lists.sourceforge.net>, per gli sviluppatori
- <japs-users@lists.sourceforge.net>, per gli utenti finali

È inoltre possibile consultare la documentazione presente in:

jAPS 2.0 Project - Sito per gli sviluppatori [<http://dev.japsportal.org/>]

Chapter 2. Caratteristiche del Plugin

Caratteristiche del Plugin

Il Plugin *jpcalendar* visualizza un calendario mensile. I giorni del mese vengono visualizzati con i seguenti criteri:

- la data odierna viene visualizzata in formato *bold*
- i giorni senza eventi sono visualizzati in formato *normale*
- i giorni con eventi sono visualizzati in formato *sottolineato*

Questi giorni puntano alla pagina preposta alla visualizzazione degli eventi della giornata selezionata.

data odierna

Se la data odierna ha degli eventi essa verrà visualizzata in formato *bold* e *sottolineato*

Table 2.1. Riassunto delle caratteristiche

Codice	Nome	Tipo	Versione Plugin	del	Versione di jAPS 2.0
jpcalendar	Calendar	PurePlugin	1.2		2.0.10, 2.0.8
jpcalendar	Calendar	PurePlugin	1.1		2.0.8

Chapter 3. Installazione e Integrazione Plugin

Caratteristiche tecniche

Il plugin ha la caratteristica di *PurePlugin*, la sua installazione non modifica nessuna funzionalità presente nel sistema. Il modulo presenta una serie di interfacce per il Front-End, erogabili attraverso la Showlet *External Framework*. Tali interfacce non contengono nessun elemento di presentazione per consentirne la vestizione in una qualunque istanza specifica di jAPS 2.0.

Descrizione del Pacchetto

Il pacchetto è composto dai seguenti componenti:

Readme	Contiene una breve descrizione del Plugin e la licenza
doc	Nella directory <code>doc</code> è presente la documentazione del Plugin
src/sql	La directory <code>src/sql</code> contiene gli script SQL da eseguire nel database del proprio portale
src/java	La directory <code>src/java</code> contiene le sorgenti java complete e i test jUnit del Plugin
src/webapp	Nella directory <code>src/webapp</code> sono presenti i file da integrare nel proprio portale

Integrazione in Ambiente di Produzione

Le successive attività sono da eseguire nell'applicazione a *freddo*, successivamente all'arresto del container.

Per eseguire l'installazione in una applicazione Web, da adesso in poi, chiameremo il nostro nuovo portale col nome di `mioportale`, in produzione basata sulla versione di jAPS 2.0 dichiarata compatibile con il plugin, i passi da eseguire sono i seguenti:

- Copiare il contenuto della directory `src/webapp/WEB-INF/lib` del pacchetto dato in dotazione, all'interno della directory `mioportale/WebContent/WEB-INF/lib/` in produzione.
- Copiare il contenuto della directory `src/webapp/WEB-INF/plugins` del pacchetto dato in dotazione, all'interno della directory `mioportale/WebContent/WEB-INF/plugins/` in produzione. Creare la directory `plugins` se non è presente.
- Dopo aver modificato i parametri `CONTENT_TYPE_ID`, `NOME_ATTRIBUTO_DATA_INIZIO` e `NOME_ATTRIBUTO_DATA_FINE`, secondo le necessità, ed aver verificato il valore del campo `version` (deve essere uguale al valore di `configVersion` dei `systemParams`, lo script è stato scritto assumendo come versione *production*), eseguire le query contenute nel file `portScript.sql` (contenuto nella directory `src/sql` del pacchetto dato in dotazione) nel proprio `db port`, in una configurazione standard il database a nome `mioportalePort`.

Installazione in Ambiente di Sviluppo

Per eseguire l'installazione in un progetto Eclipse basato sulla versione di jAPS 2.0 dichiarata compatibile con il plugin, i passi da eseguire sono i seguenti (da adesso in poi, chiameremo il nostro nuovo progetto col nome di `mioprogetto`):

- Copiare il contenuto della directory `src/webapp/WEB-INF/plugins` del pacchetto dato in dotazione, all'interno della directory `mioprogetto/WebContent/WEB-INF/plugins/`.
- Dopo aver modificato i parametri `CONTENT_TYPE_ID`, `NOME_ATTRIBUTO_DATA_INIZIO` e `NOME_ATTRIBUTO_DATA_FINE`, secondo le necessità, ed aver verificato il valore del campo `version` (deve essere uguale al valore di `configVersion` dei `systemParams`, lo script è stato scritto assumendo come versione *production*), eseguire le query contenute nel file `portScript.sql` (contenuto nella directory `src/sql` del pacchetto dato in dotazione) nel proprio db port, in una configurazione standard il database a nome `mioprogettoPort`.
- Eseguire i task contenuti nel file `portTestScript.sql` (contenuto nella directory `src/sql` del pacchetto dato in dotazione) nel proprio db port di test, in una configurazione standard il database a nome `mioprogettotestPort`.
- Copiare il contenuto della directory `src/java/main/com/agiletec/plugins/` nella directory `mioprogetto/src/com/agiletec/plugins/` del proprio progetto, (creare la directory `plugins` se non esiste).
- Copiare il contenuto della directory `src/java/test/test/com/agiletec/plugins/` nella directory `mioprogetto/src/test/com/agiletec/plugins/` del proprio progetto, (creare la directory `plugins` se non esiste).

Chapter 4. Configurazione e personalizzazione

Configurazione

Nei prossimi paragrafi vedremo i passi di configurazione del plugin.

Passi di configurazione

Configurare opportunamente un contentType (DB nomePortalePort, tabella sysconfig, item 'contentTypes') contenente 2 attributi di tipo Date, per la data di inizio e per quella di fine.

Modificare opportunamente la seguente query in relazione al contentType inserito (vedi punto precedente) ed eseguirla nel DB nomeportalePort oppure editare direttamente la configurazione sul db

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

Example 4.1. Esempio di configurazione

Supponiamo di avere all'interno del nostro portale il seguente 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"
nestedtype="Attach"/>
</attributes>
</contenttype>
```

La query sarà dunque:

```
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>');;
```

Nella tabella *showletcatalog* del database nomeportalePort, creare i record delle showlet.

```
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);
```

Configurazione delle pagine

Per il funzionamento del plugin *jpcalendar* è necessario creare una pagina contenente la showlet *jpcalendar_calendar* e un'altra pagina contenente la showlet *jpcalendar_dailyEvents*. La showlet *jpcalendar_calendar* deve essere opportunamente modificata:

Example 4.2. Esempio di modifica della showlet *jpcalendar_calendar.jsp*

nel file originale *jpcalendar_calendar.jsp*, modificare la riga

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

In:

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

La pagina *listaEventi* dovrà avere al suo interno la showlet *Events of the Day* (*jpcalendar_dailyEvents.jsp*). Vanno inoltre eventualmente personalizzate le etichette presenti nelle jsp, utilizzate coi tag “wp:i18n”.

Nella riga

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

della pagina *Events of the Day* è necessario configurare l'opportuno *modelId* (XX) per una lista di eventi.

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