Geomajas geomajas-gwt2-widget plug-in guide

Geomajas Developers and Geosparc

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by Geomajas Developers and Geosparc

2.2.0

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Chapter 1. Introduction

The core widget plugin contains a set of widely used widgets in a Geomajas application, as well as some very popular map controllers and events. The current widget set contains:

- LayerLegendPanel: a panel that shows the title/legend of a layer and some layer controls
- MapLegendPanel: a container of LayerLegendPanel instance, one for each map layer

We also have the following map controllers/listeners:

- FeatureClickedListener: a listeners that sends an `FeatureClickedEvent` when the user clicks on a feature
- MouseOverListener: a listeners that that sends an `FeatureMouseOverEvent` when the user hovers over a feature

Chapter 2. Configuration

1. Dependencies

Make sure your include the plug-in in your project. If you are using Maven, add the following dependency to your pom:

Example 2.1. Plug-in dependency

```
<dependency>
   <groupId>org.geomajas.plugin</groupId>
   <artifactId>geomajas-client-gwt2-plugin-corewidget</artifactId>
   <version>2.2.0</version>
  </dependency>
```

Chapter 3. How-to

1. Replacing the default style through GWT

To replace the default style, define another implementation for the client resource bundle factory through deferred binding:

```
<replace-with class="org.geomajas.gwt2.plugin.corewidget.client.resource.MyCore
    <when-type-is class="org.geomajas.gwt2.plugin.corewidget.client.resource.Co
</replace-with>
```

`MyCoreWidgetClientBundleFactory` should implement the same methods but use different css files and images.

2. Replacing the default style through css

To replace the default style through css, define the nostyle implementation for the client resource bundle factory through deferred binding:

```
<replace-with class="org.geomajas.gwt2.plugin.corewidget.client.resource.CoreWi
    <when-type-is class="org.geomajas.gwt2.plugin.corewidget.client.resource.Co
</replace-with>
```

CoreWidgetClientBundleFactoryNoStyle is an implementation that provides empty css classes for all the css used. By importing a css file at the web page level, the web developer can now define his or her own style for each of these classes. The default css can be found at `org/geomajas/gwt2/plugin/corewidget/client/resource/CoreWidget.css`.

3. Replacing the complete view of one or more widgets

To replace the view completely, define another implementation for the view factory through deferred binding:

```
<replace-with class="org.geomajas.gwt2.plugin.corewidget.client.MyCoreWidgetVie
    <when-type-is class="org.geomajas.gwt2.plugin.corewidget.client.CoreWidgetV
</replace-with>
```

The factory has create methods for each widget's view, just replace the default implementations by your own implementation classes.

Chapter 4. Usage examples