



# Soft Aspects

RIAs & Beyond



**New light of Rich Internet Applications**

# WebGalileo Faces© Quick Start

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# 1 WebGalileo Faces installation

The following steps should be accomplished to integrate WebGalileo Faces with any JSF web application :

I. **Copy the following JAR files to <WEB\_APPLICATION\_ROOT>/WEB-INF/lib :**

- commons-beanutils.jar
- commons-collections.jar
- commons-logging.jar
- commons-discovery.jar
- commons-logging.jar
- jsf-api.jar
- jsf-impl.jar
- jstl.jar
- standard.jar
- wgf-faces-X-X.jar
- wgf-core-X-X.jar
- wgf-tags-X-X.jar

Where:

X-X – version of WebGalileo Faces product

WEB\_APPLICATION\_ROOT – root directory of a target web application.

The wgf-\* files are located inside **lib** directory of the product deliverable. All other libraries may be obtained from **webgalileofaces.war/WEB-INF/lib** that is also may be found in the deliverable.

II. **Copy WebGalileo Faces resources** (JavaScript components, html resources, images, etc) and **webgalileo.key** (product license key). Unpack **resources.zip** located inside the deliverable . Also, the resources can be copied from **webgalileofaces.war** :

- 1) Copy **repository** directory into `<WEB_APPLICATION_ROOT>` directory.
- 2) Copy **WEB-INF/webgalileo.key** file to `<WEB_APPLICATION_ROOT>/WEB-INF` directory.
- 3) Copy **WEB-INF/\*-faces-config.xml** files to `<WEB_APPLICATION_ROOT>/WEB-INF` directory.

III. **Modify faces-config.xml to add AJAX support in the components:**

- 1) Add WebGalileo Faces AJAX PhaseListeners:

```
<lifecycle>
  ...
  <phase-
listener>com.softaspects.faces.galileo.renderers.container.Container
AjaxPhaseListener</phase-listener>
  <phase-
listener>com.softaspects.faces.galileo.renderers.table.TableAjaxPhas
eListener</phase-listener>
  <phase-
listener>com.softaspects.faces.galileo.renderers.tree.TreeAjaxPhaseL
istener</phase-listener>
  <phase-
listener>com.softaspects.faces.galileo.renderers.dualist.DualListAj
axPhaseListener</phase-listener>
  <phase-
listener>com.softaspects.faces.galileo.support.ajax.AjaxEventPhaseLi
stener</phase-listener>
  <phase-
listener>com.softaspects.faces.galileo.components.upload.UploadPhase
Listener</phase-listener>
  ...
</lifecycle>
```

IV. **Modify an application's web.xml file to add the following parameters:**

- 1) Add WebGalileo Faces components configuration to JavaServer Faces config:

```
<context-param>
  <param-name>javax.faces.CONFIG_FILES</param-name>
  <param-value>
    /WEB-INF/components-faces-config.xml,
    /WEB-INF/panelbar-faces-config.xml,
    /WEB-INF/popupwindow-faces-config.xml,
    /WEB-INF/progressbar-faces-config.xml,
    /WEB-INF/flex-menu-faces-config.xml,
    /WEB-INF/gmaps-faces-config.xml,
    /WEB-INF/flowchart-faces-config.xml,
    /WEB-INF/dragarea-faces-config.xml,
    /WEB-INF/chart-faces-config.xml
  </param-value>
</context-param>
```

## 2) Add optional WebGalileo Faces Filters :

```

<filter>
  <filter-name>ExtraSpaceFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.filters.ExtraSpaceRem
over</filter-class>
</filter>
<filter>
  <filter-name>zipFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.filters.GZIPFilter</f
ilter-class>
</filter>
<filter>
  <filter-name>CacheImageFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.filters.IEFlickerFixF
ilter</filter-class>
</filter>
<filter>
  <filter-name>uploadFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.upload.UploadFilter</
filter-class>
  <init-param>
    <param-name>maxFileSize</param-name>
    <param-value>1024</param-value>
  </init-param>
</filter>

```

## 3) Add optional mapping for the filters configured in step above :

```

<filter-mapping>
  <filter-name>zipFilter</filter-name>
  <url-pattern>*.faces</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>ExtraSpaceFilter</filter-name>
  <url-pattern>*.faces</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>CacheImageFilter</filter-name>
  <url-pattern>*.gif</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>CacheImageFilter</filter-name>
  <url-pattern>*.jpg</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>CacheImageFilter</filter-name>
  <url-pattern>*.png</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>uploadFilter</filter-name>
  <url-pattern>*.faces</url-pattern>
</filter-mapping>

```

## 4) Add mandatory settings for the components :

```

<servlet>
  <servlet-name>ComponentsInitializerServlet</servlet-name>
  <servlet-
class>com.softaspects.framework.galileo.support.base.ComponentsInitia
lizerServlet</servlet-class>
  <init-param>
    <param-name>applicationRootContext</param-name>
    <param-value>/webgalileofaces</param-value>
  </init-param>
  <init-param>
    <param-name>pathToImages</param-name>
    <param-value>/webgalileofaces/repository/images/</param-
value>
  </init-param>
  <init-param>
    <param-name>pathToJavaScriptsExplorer</param-name>
    <param-value>/webgalileofaces/repository/scripts/</param-
value>
  </init-param>
  <init-param>
    <param-name>pathToJavaScriptsNetscape</param-name>
    <param-value>/webgalileofaces/repository/scripts/ns/</param-
value>
  </init-param>
  <load-on-startup>2</load-on-startup>
</servlet>
<servlet>
  <servlet-name>FileOrImageUploadServlet</servlet-name>
  <servlet-
class>com.softaspects.framework.galileo.support.base.Upload</servlet-
class>
  <init-param>
    <param-name>uploadDir</param-name>
    <param-value>/upload</param-value>
  </init-param>
</servlet>
<servlet>
  <servlet-name>DisplayChart</servlet-name>
  <servlet-class>org.jfree.chart.servlet.DisplayChart</servlet-class>
</servlet>

```

#### 5) Add necessary mapping for the servlets configured in step 4):

```

<servlet-mapping>
  <servlet-name>FileOrImageUploadServlet</servlet-name>
  <url-pattern>/UploadServlet</url-pattern>
</servlet-mapping>
<servlet-mapping>
  <servlet-name>DisplayChart</servlet-name>
  <url-pattern>/chart/*</url-pattern>
</servlet-mapping>

```

## 2 WebGalileo Faces Upgrade to New Versions

To upgrade WebGalileo Faces to new version the following steps should be accomplished:

### I. Remove old and copy the following new jars to <WEB\_APPLICATION\_ROOT>/WEB-INF/lib :

- wgf-faces-X-X.jar
- wgf-core-X-X.jar
- wgf-tags-X-X.jar

Where:

X-X – version of WebGalileo Faces product

The wgf-\* files are located inside **lib** directory of the product deliverable.

### II. Delete old WebGalileo Faces resources files (JavaScript components, html resources, images, etc) and **webgalileo.key** (product license key). Copy new ones from the **resources.zip** located inside the deliverable. Also, resources can be copied from **webgalileofaces.war** :

- 1) Copy **repository** directory into <WEB\_APPLICATION\_ROOT> directory.
- 2) Copy **WEB-INF/webgalileo.key** file to  
<WEB\_APPLICATION\_ROOT>/WEB-INF directory.
- 3) Copy **WEB-INF/\*-faces-config.xml** files to  
<WEB\_APPLICATION\_ROOT>/WEB-INF directory.

### III. Modify faces-config.xml to add new AJAX listeners if any :

- 2) Add WebGalileo Faces AJAX PhaseListeners:

```
<lifecycle>
...
<phase-
listener>com.softaspects.faces.galileo.renderers.container.Container
AjaxPhaseListener</phase-listener>
<phase-
listener>com.softaspects.faces.galileo.renderers.table.TableAjaxPhas
eListener</phase-listener>
<phase-
listener>com.softaspects.faces.galileo.renderers.tree.TreeAjaxPhaseL
istener</phase-listener>
<phase-
listener>com.softaspects.faces.galileo.renderers.dualist.DualListAj
axPhaseListener</phase-listener>
<phase-
listener>com.softaspects.faces.galileo.support.ajax.AjaxEventPhaseLi
stener</phase-listener>
<phase-
listener>com.softaspects.faces.galileo.components.upload.UploadPhase
```

```
Listener</phase-listener>
...
</lifecycle>
```

#### IV. Modify web.xml file to add new component config files if any :

- 6) Add WebGalileo Faces components configuration to JavaServer Faces config:

```
<context-param>
  <param-name>javax.faces.CONFIG_FILES</param-name>
  <param-value>
    /WEB-INF/components-faces-config.xml,
    /WEB-INF/panelbar-faces-config.xml,
    /WEB-INF/popupwindow-faces-config.xml,
    /WEB-INF/progressbar-faces-config.xml,
    /WEB-INF/flex-menu-faces-config.xml,
    /WEB-INF/gmaps-faces-config.xml,
    /WEB-INF/flowchart-faces-config.xml,
    /WEB-INF/dragarea-faces-config.xml,
    /WEB-INF/chart-faces-config.xml
  </param-value>
</context-param>
```

- 7) Add optional WebGalileo Faces Filters :

```
<filter>
  <filter-name>ExtraSpaceFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.filters.ExtraSpaceRem
over</filter-class>
</filter>
<filter>
  <filter-name>zipFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.filters.GZIPFilter</f
ilter-class>
</filter>
<filter>
  <filter-name>CacheImageFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.filters.IEFlickerFixF
ilter</filter-class>
</filter>
<filter>
  <filter-name>uploadFilter</filter-name>
  <filter-
class>com.softaspects.framework.galileo.support.upload.UploadFilter</
filter-class>
  <init-param>
    <param-name>maxFileSize</param-name>
    <param-value>1024</param-value>
  </init-param>
</filter>
```

## 8) Add optional filter mapping:

```

<filter-mapping>
  <filter-name>zipFilter</filter-name>
  <url-pattern>*.faces</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>ExtraSpaceFilter</filter-name>
  <url-pattern>*.faces</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>CacheImageFilter</filter-name>
  <url-pattern>*.gif</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>CacheImageFilter</filter-name>
  <url-pattern>*.jpg</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>CacheImageFilter</filter-name>
  <url-pattern>*.png</url-pattern>
</filter-mapping>
<filter-mapping>
  <filter-name>uploadFilter</filter-name>
  <url-pattern>*.faces</url-pattern>
</filter-mapping>

```

## 9) Add mandatory WebGalileo Faces servlets settings :

```

<servlet>
  <servlet-name>ComponentsInitializerServlet</servlet-name>
  <servlet-
class>com.softaspects.framework.galileo.support.base.ComponentsInitia
lizerServlet</servlet-class>
  <init-param>
    <param-name>applicationRootContext</param-name>
    <param-value>/webgalileofaces</param-value>
  </init-param>
  <init-param>
    <param-name>pathToImages</param-name>
    <param-value>/webgalileofaces/repository/images/</param-
value>
  </init-param>
  <init-param>
    <param-name>pathToJavaScriptsExplorer</param-name>
    <param-value>/webgalileofaces/repository/scripts/</param-
value>
  </init-param>
  <init-param>
    <param-name>pathToJavaScriptsNetscape</param-name>
    <param-value>/webgalileofaces/repository/scripts/ns/</param-
value>
  </init-param>
  <load-on-startup>2</load-on-startup>
</servlet>
<servlet>
  <servlet-name>FileOrImageUploadServlet</servlet-name>
  <servlet-
class>com.softaspects.framework.galileo.support.base.Upload</servlet-
class>
  <init-param>
    <param-name>uploadDir</param-name>

```

```
        <param-value>/upload</param-value>
    </init-param>
</servlet>
<servlet>
    <servlet-name>DisplayChart</servlet-name>
    <servlet-class>org.jfree.chart.servlet.DisplayChart</servlet-class>
</servlet>
```

## 10) Add mapping for the mandatory servlets :

```
<servlet-mapping>
    <servlet-name>FileOrImageUploadServlet</servlet-name>
    <url-pattern>/UploadServlet</url-pattern>
</servlet-mapping>
<servlet-mapping>
    <servlet-name>DisplayChart</servlet-name>
    <url-pattern>/chart/*</url-pattern>
</servlet-mapping>
```