

Only two files need to be edited in order to use JavAjax in your application: deployment descriptor (web.xml) and the properties file used for internationalization.

Deployment Descriptor (web.xml)

Filter net.sourceforge.javajax.JavajaxFilter

Parameters

:

- **resource.file** (required): relative path and file base name of the resource bundle property file
- **action.packages** (required): The package or list of packages where the framework should look for available actions in your application
 - **page.extension**: The URL extension used for page type calls. Default is "page"
 - **ajax.extension**: The URL extension used for ajax type calls. Default is "ajax"
 - **security.manager**: The security manager class, implementing net.sourceforge.javajax.security.JavajaxSecurityManager, that will be used to check security constraint at method level. You can find a default implementation net.sourceforge.javajax.security.J2EESecurityManager, which checks method specific security constraints among current user roles.
 - **conversion.locale**: Application level Locale used for data conversion. Default is the user browser default Locale
 - **date.formats**: Pipe separated list of accepted date formats, used during conversion.
 - **error.page**: context relative path to the page used to display errors. Default is /error.jsp

Mapping:

- *.{page.extension}
- *.{ajax.extension}
- *.jsp

Here is a basic configuration ready to be included in your web.xml file:

```
<filter>
  <filter-name>JavAjaxFilter</filter-name>
  <filter-class>net.sourceforge.javajax.JavajaxFilter</filter-class>
  <init-param>
    <param-name>action.packages</param-name>
    <param-value>demo.actions</param-value>
  </init-param>

  <init-param>
    <param-name>resource.file</param-name>
    <param-value>resources/javajax</param-value>
  </init-param>

  <!-- Optional parameter, default is "page"
  <init-param>
    <param-name>page.extension</param-name>
    <param-value>page</param-value>
  </init-param>
  -->
  <!-- Optional parameter, default is "ajax"
  <init-param>
    <param-name>ajax.extension</param-name>
    <param-value>page</param-value>
  </init-param>
  -->
  <!-- Optional parameter, default is "error.jsp"
  <init-param>
    <param-name>error.page</param-name>
    <param-value>error.jsp</param-value>
  </init-param>
  -->
  <!-- Optional parameter
  <init-param>
    <param-name>date.formats</param-name>
    <param-value>dd MMM yyyy | yyyy-MM-dd | dd-MM-yyyy | ddd, dd MMM
yyyy</param-value>
  </init-param>
  -->
  <!-- Optional parameter
  <init-param>
    <param-name>conversion.locale</param-name>
```

```
<param-value>en-US</param-value>
</init-param>
--> <!-- Optional parameter
<init-param>
    <param-name>security.manager</param-name>
    <param-value>net.sourceforge.javajax.security.J2EESecurityManager</param-value>
</init-param>
-->
</filter>

<filter-mapping>
<filter-name>JavAjaxFilter</filter-name>
<url-pattern>*.page</url-pattern>
</filter-mapping>

<filter-mapping>
<filter-name>JavAjaxFilter</filter-name>
<url-pattern>*.ajax</url-pattern>
</filter-mapping>

<filter-mapping>
<filter-name>JavAjaxFilter</filter-name>
<url-pattern>*.jsp</url-pattern>
</filter-mapping>
```

Resource file

Create a property file and place it in the same directory and with the same name specified in the JavajaxFilter init param, with at least the following properties:

```
# ERROR PLACEHOLDERS: LIST TYPE
net.sourceforge.javajax.error.list.start.tag=<UL class='errorList' name='fullErrorList'>
net.sourceforge.javajax.error.list.end.tag=</UL>
net.sourceforge.javajax.error.list.line.start.tag=<LI class='errorLine'>
net.sourceforge.javajax.error.list.line.end.tag=</LI>

# ERROR PLACEHOLDERS: BLOCK TYPE
net.sourceforge.javajax.error.block.start.tag=<SPAN class='errorContainer' name='{0}'>
net.sourceforge.javajax.error.block.end.tag=</SPAN>
net.sourceforge.javajax.error.block.line.start.tag=<SPAN class='errorLine'>
net.sourceforge.javajax.error.block.line.end.tag=</SPAN>

# GENERIC SYSTEM ERROR
```

net.sourceforge.javajax.systemerror=System error: [{1}] {2}

EXPRESSION ANNOTATION INVALID ERROR
net.sourceforge.javajax.invalid.expression=The following expression is not valid: {1}. It must return a boolean value

METHOD ACCESS SECURITY ERROR
net.sourceforge.javajax.securityerror=Security error: User [{1}] does not have rights to access method {2} in class {3}

VALIDATION MESSAGES
net.sourceforge.javajax.invalid.format=Field {0} has an invalid format
net.sourceforge.javajax.mandatory=Field {0} is mandatory
net.sourceforge.javajax.too.short=Field {0} is too short, minimum length is {1}
net.sourceforge.javajax.too.long=Field {0} is too long, maximum length is {1}
net.sourceforge.javajax.too.low=Field {0} value is too low, minimum value is {1}
net.sourceforge.javajax.too.large=Field {0} value is too high, maximum value is {1}
net.sourceforge.javajax.expression.verification.failed=The following expression verification failed: {1}

JavAjax framework requires the following libraries to work properly:

<http://commons.apache.org/>

- commons-fileupload.jar
- commons-jexl.jar
- commons-logging.jar

<http://www.prototypejs.org/>

- prototype.js