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The following XML is a minimalist deployment descriptor for applications using Vaadin UI.

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<web-app id="WebApp_ID"
        version="2.4"
        xmlns="http://java.sun.com/xml/ns/j2ee"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
http://java.sun.com/xml/ns/j2ee/web-app_2_4.xsd">
  <!--
**********************************************************************
***
 Context configuration
**********************************************************************
***
 -->

  <display-name>Simple Application</display-name>

  <welcome-file-list>
        <welcome-file>index.html</welcome-file>
        <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>

  <context-param>
        <description>Vaadin production mode</description>
        <param-name>productionMode</param-name>
        <param-value>true</param-value>
  </context-param>

  <!--
**********************************************************************
***
 WebUI configuration
**********************************************************************
***
 -->

  <servlet>
    <servlet-name>VaadinUI</servlet-name>
    <servlet-
class>com.sibvisions.rad.ui.vaadin.server.VaadinServlet</servlet-class>
    <init-param>
      <param-name>UI</param-name>
      <param-value>com.sibvisions.rad.ui.vaadin.impl.VaadinUI</param-
value>
    </init-param>
    <init-param>
```

```
      <param-name>widgetset</param-name>
      <param-
value>com.sibvisions.rad.ui.vaadin.ext.ui.Widgetset</param-value>
    </init-param>
    <init-param>
      <param-name>main</param-name>
      <param-
value>com.sibvisions.apps.simpleapp.SimpleApplication</param-value>
    </init-param>
    <init-param>
      <param-name>config</param-name>
      <param-
value>/com/sibvisions/apps/simpleapp/application.xml</param-value>
    </init-param>
  </servlet>

  <servlet-mapping>
    <servlet-name>VaadinUI</servlet-name>
    <url-pattern>/ui/*</url-pattern>
  </servlet-mapping>

  <servlet-mapping>
    <servlet-name>VaadinUI</servlet-name>
    <url-pattern>/VAADIN/*</url-pattern>
  </servlet-mapping>
```

The application will be available via http://localhost/simpleapp/ui/.

If your Vaadin application should be available in context-root (http://localhost/simpleapp/), simply change the servlet mapping to:

```
  <servlet-mapping>
    <servlet-name>VaadinUI</servlet-name>
    <url-pattern>/*</url-pattern>
  </servlet-mapping>
<!--
  <servlet-mapping>
    <servlet-name>VaadinUI</servlet-name>
    <url-pattern>/VAADIN/*</url-pattern>
  </servlet-mapping>
-->
```

Additional Options

There are some useful options that can be controlled via init parameters:

Push support (needs an application server with push support)

```
  <servlet>
```

```
    <servlet-name>VaadinUI</servlet-name>
    <servlet-
class>com.sibvisions.rad.ui.vaadin.server.VaadinServlet</servlet-class>

    ...

    <init-param>
      <param-name>pushmode</param-name>
      <param-value>automatic | manual</param-value>
    </init-param>
    <init-param>
      <param-name>mobileView</param-name>
      <param-value>true | falsee</param-value>
    </init-param>

    <async-supported>true</async-supported>
  </servlet>
```

Scale UI on mobile devices. This parameter adds <meta name="viewport" content="user-scalable=no,initial-scale=1.0" /> to the default index.html page, rendered from Vaadin.

```
    <init-param>
      <param-name>mobileView</param-name>
      <param-value>true | false</param-value>
    </init-param>
```

Use an external/additional CSS file. This is useful to override default CSS definitions without modifying the original Vaadin UI CSS file.

```
    <init-param>
      <param-name>externalCss</param-name>
      <param-value>../simpleapp.css</param-value>
    </init-param>
```

It's also possible to use resources from jar archives. Simply add: **jar!** as prefix.

If you want to use the same UI after pressing reload in your web browser, simply set the following:

```
    <init-param>
      <param-name>preserveOnRefresh</param-name>
      <param-value>true | false</param-value>
    </init-param>
```

UI redirection, e.g., from http://localhost/simpleapp/ to http://localhost/simpleapp/ui/

```
  <servlet>
    <servlet-name>UIRedirector</servlet-name>
    <servlet-
class>com.sibvisions.rad.ui.vaadin.server.UIRedirectorServlet</servlet-
class>
    <init-param>
```

```
      <param-name>redirectPath</param-name>
      <param-value>/ui/</param-value>
    </init-param>
  </servlet>

  <servlet-mapping>
    <servlet-name>UIRedirector</servlet-name>
    <url-pattern>/index.html</url-pattern>
  </servlet-mapping>
```

Only for Portlets

Use the following parameter to decide whether Vaadin libraries should be loaded from ROOT context (shared) or from application context.

```
    <init-param>
      <param-name>vaadin.shared</param-name>
      <param-value>true | false</param-value>
    </init-param>
```

It's possible to change the static file location, e.g., if you redirect http requests via mod_proxy or similar:

```
    <init-param>
      <param-name>vaadin.staticFileLocationPrefix</param-name>
      <param-value>/cust</param-value>
    </init-param>
```

ProjX

We have some special features in ProjX.

Use the following parameter to change the menu position.

```
    <init-param>
      <param-name>Application.Menu.position</param-name>
      <param-value>left | right</param-value>
    </init-param>
```

It's possible to hide the whole menu or toolbar.

```
    <init-param>
      <param-name>Application.Menu.visible</param-name>
      <param-value>true | false</param-value>
    </init-param>

    <init-param>
      <param-name>Application.Menu.ToolBar.visible</param-name>
```

```
      <param-value>true | false</param-value>
    </init-param>
```

Hint

It's also possible to use init parameters as URL parameter, e.g., http://localhost/simpleapp/ui/?Application.Menu.position=right .

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