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## CORS

All details about [cross-origin resource sharing](#).

### Use-Case

Embedding a Vaadin application in your CMS (e.g., Joomla, Typo3). The CMS runs in an hosted environment without Java application server (standard and cheap web hosting).

### How To

There's an excellent [blog post from Vaadin](#). We have a ready-to-use solution added to our Vaadin UI.

It's really simple to use. Add the following parameter to your web.xml:

```
<init-param>
  <param-name>cors.origin</param-name>
  <param-value>http://www.hosteddomain.com</param-value>
</init-param>

<init-param>
  <param-name>pushmode</param-name>
  <param-value>automatic</param-value>
</init-param>

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

(be sure that async-support was enabled for all vaadin servlets/filters)

The cors.origin parameter can be a comma separated list.

Here's an example html file:

[example.html](#)

```
<!DOCTYPE html>

<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8"
  />
    <meta http-equiv="X-UA-Compatible" content="IE=11;chrome=1" />
    <link rel="shortcut icon" type="image/vnd.microsoft.icon"
      href=" ./VAADIN/themes/jvx/favicon.ico" />
    <link rel="icon" type="image/vnd.microsoft.icon"
      href=" ./VAADIN/themes/jvx/favicon.ico" />

    <title>Embedded Vaadin application</title>
```

```

    <script type="text/javascript"
src="./VAADIN/widgetsets/com.sibvisions.rad.ui.vaadin.ext.ui.Widgetset/
com.sibvisions.rad.ui.vaadin.ext.ui.Widgetset.nocache.js?05202015200542
"></script>
  </head>

  <body scroll="auto">

    <div id="content">
      <script type="text/javascript"
src="./VAADIN/vaadinPush.js?v=7.4.5"></script>
      <script type="text/javascript"
src="./VAADIN/vaadinBootstrap.js?v=7.4.5"></script>

      <div id="MyEmbeddedUI" class="v-app">
        <div class="v-app-loading"></div>
        <noscript>You have to enable javascript in your browser to use
an application
                built with Vaadin.</noscript>
      </div>
      <script type="text/javascript">

        if (!window.vaadin)
        {
          alert("Failed to load the bootstrap javascript&#058;
./VAADIN/vaadinBootstrap.js?v=7.4.5");
        }

        vaadin.initApplication("MyEmbeddedUI",
                                {"browserDetailsUrl": "ui/" + appname +
params,
                                "serviceUrl": "ui/",
                                "theme": "jvx",
                                "versionInfo": {"vaadinVersion": "7.4.5",
"atmosphereVersion": "2.2.4.vaadin5"},
                                "widgetset": "com.sibvisions.rad.ui.vaadin.ext.ui.Widgetset",
                                "comErrMsg": {"caption": "Communication
problem",
                                                "message": "Take note of any
unsaved data,
                                                and <u>click
here</u> or press ESC to
                                                continue.",
                                                "url": null},
                                "authErrMsg": {"caption": "Authentication
problem",
                                                "message": "Take note of any
unsaved data,
                                                and <u>click
here</u> or press ESC to

```

```

        continue.",
        "url":null},
    "sessExpMsg":{"caption":"Session
Expired",
        "message":"Take note of any
unsaved data,
        and <u>click
here</u> or press ESC key
        to continue.",
        "url":null},
    "vaadinDir": "./VAADIN/",
    "standalone":false,
    "debug":false,
    "heartbeatInterval":300,
    "comErrMsgDetails":true,
    "authErrMsgDetails":true,
    "sessExpMsgDetails":true});

</script>
</div>
</body>
</html>

```

And the rest of our web.xml:

```

<servlet>
  <servlet-name>EmbeddedUI</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.MyEmbeddedApplication</param-value>
  </init-param>
  <init-param>
    <param-name>Launcher UIFactory</param-name>
    <param-value>com.sibvisions.rad.ui.vaadin.impl.VaadinFactory</param-
value>
  </init-param>
  <init-param>
    <param-name>pushmode</param-name>
    <param-value>automatic</param-value>
  </init-param>

```

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

<servlet-mapping>
  <servlet-name>EmbeddedUI</servlet-name>
  <url-pattern>/*</url-pattern>
</servlet-mapping>
```

The application was configured for ROOT context of Tomcat(8).

If you have a different context, simply change the URLs: browserDetailsUrl, serviceUrl and vaadinDir (see above html page).

## Information

There's a problem in Vaadin with push mechanism: <https://dev.vaadin.com/ticket/14477>

A workaround for Tomcat8, via web.xml:

```
<init-param>
  <param-
name>org.atmosphere.container.JSR356AsyncSupport.mappingPath</param-name>
  <param-value>/app/web/ui</param-value>
</init-param>
```

Set the parameter for the servlet, which is used multiple times, e.g.:

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

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

From:  
<https://doc.sibvisions.com/> - **Documentation**

Permanent link:  
<https://doc.sibvisions.com/vaadin/cors>

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