

Dollar Universe Trigger – Web

Introduction

DU_Trigger_Web is a Web application that let users trigger jobs in \$Universe from an HTML page.

The page contains a list with all the available trigger events, and a "Trigger" button to send the trigger event to \$Universe.

For further customizations, the full project developed in '*Eclipse*' is available for download.

Prerequisites:

The Web application requires the Apache HTTP Components version 4.3.3 --> httpcomponents-client-4.3.3-bin.zip

Implementation:

The application needs a servlet container. It has been tested on Tomcat7. The Apache HTTP Components libraries has to be accessible to Tomcat. The easiest way to do it is to copy all Apache .jar files in the Tomcat/lib directory. The configuration options are set in the WEB-INF/web.xml>file.

HowTo

Once deployed the .war file, DU_Web_Trigger is accessible at the link -->

`http://<your_web_server_hostname>:<port>/DU_Trigger_Web`

Client Side

The page loads dynamically the available trigger events from a text file (triggers_list.txt in the example), via the javascript code shown below, embedded in the HTML page.

The file *triggers_list.txt* is located in *Webapps\DU_Trigger_Web*.

In the example, SESSION1; SESSION2, etc. are **trigger events** defined in \$Universe. You will need to define your trigger events in \$Universe, and change the triggers_list.txt accordingly.

```
<script>

var client = new XMLHttpRequest();

client.open('GET', 'triggers_list.txt');

client.onreadystatechange = function() {

    t = client.response

    t = t.split('\n');

    var listbox;

    // Insert first Option for description

    listbox += '<option value="" disabled="disabled"
selected="selected">'+ "Please select the $U Task to trigger"+"</option>';
```

```

        for (i=0;i<t.length;i++){
                listbox += '<option
value="'+t[i]+'"'>'+t[i]+'</option>';
        }

        document.getElementById('tasks').innerHTML=listbox;
}

client.send();

</script>

```

Server Side

To configure the parameters of the \$Universe target server, please check WEB-INF\web.xml
Please remember to enable the \$Universe **HTTP Server Port Number** in the \$Universe **Node settings -> Network Parameters**

That port number is the one declared in the web.xml file (**80** in the example).

```

<servlet>
<description></description>
<display-name>SendTrigger</display-name>
<servlet-name>SendTrigger</servlet-name>
<servlet-class>com.orsyp.du.trigger.SendTrigger</servlet-class>
<init-param>
<param-name>DU_HOST</param-name>
<param-value>susedemo</param-value>
</init-param>
<init-param>
<param-name>DU_PORT</param-name>
<param-value>80</param-value>
</init-param>
<init-param>
<param-name>DU_TOKEN</param-name>
<param-value>5a729dea-ba01-11e3-a040-1354f9291b5a</param-value>
</init-param>
</servlet>

```