

Platform - Using Report Parameters

Overview

This document will describe how to customize report parameters in the Connect5 runtime environment.

In the ReadyToRun configuration the console will be running at:

http://localhost:8080/connect5

Also, in the web/WEB-INF/properties/dev/pilotfish.properties please comment out the first instance of com.pilotfish.eip.configDirectory and uncomment the second.

Background

Report parameters are specified in an xml structure like the one shown below:

At runtime the values from the specified attribute ('ParamAttribute') are extracted and stored into the following database table:

```
PF_EIP_PARAMLOG

ID INTEGER NOT NULL

MESSAGEID INTEGER NOT NULL

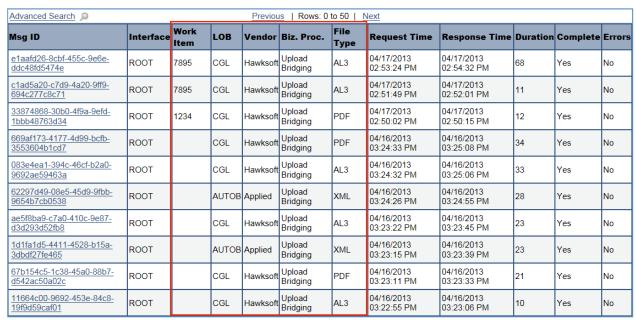
TRANSACTIONID INTEGER NOT NULL

NAME VARCHAR(10) NOT NULL

VALUE VARCHAR(10)
```

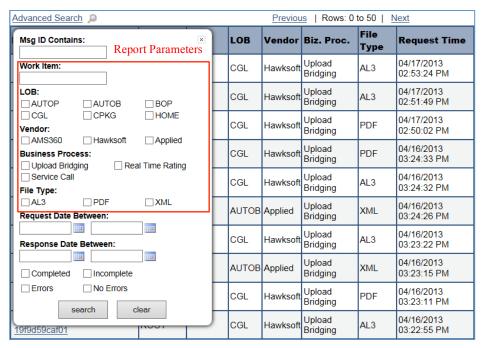
This table combined with the column configuration ('ColumnLabel' and 'ColumnType') above will dynamically add the column to the 'Messages' screen as shown below:





Report Parameters

The database table is also used to populate the available values when the field configuration ('FieldLabel', 'FieldType' and 'FieldStyle') is set to "checkbox" as shown below:





Configuration

We are going to create a new report parameter. However since the attributes available in the Eclipse code aren't especially meaningful we'll create a fake attribute as well.

Start by creating a configuration file called 'report_param.xml' and place it in the following folder '/WEB-INF/report/'. This is the default location, but it can be configured using the 'report_param.definition_location' property.

The contents of the file will look like this:

This will create a transaction parameter when the 'com.pilotfish.FileExtension' attribute is populated.

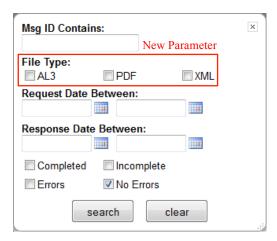
When you start you Server you should now see a new "File Type" column on the Message Log screen:

A New Messages							
Advanced Search Parameter 1 to 7 of 7							Refresh
Msg ID	Interface	File Type	Request	Response	Duration	Complete	Errors
89dd492a-09bf- -4a95-ae3c- -1914fdee233c	ROOT	XML	05/15/2013 01:59:30 PM	05/15/2013 01:59:45 PM	13	Yes	No
091e9124-6c2a- 49dc-a183- a39da32737d1	ROOT	PDF	05/15/2013 01:59:29 PM	05/15/2013 01:59:44 PM	14	Yes	No
399234d4-a14a- -48ba-bb62- -ff2c55e57265	ROOT	AL3	05/15/2013 01:59:26 PM	05/15/2013 01:59:44 PM	17	Yes	No
<u>f5ec458b-532c-</u> <u>-4e41-9e44-</u> <u>b63afb544df7</u>	ROOT	XML	05/15/2013 01:59:22 PM	05/15/2013 01:59:28 PM	6	Yes	No
bd07ff96-f81f-4544- b35e -69e931012212	ROOT	AL3	05/15/2013 01:59:10 PM	05/15/2013 01:59:16 PM	5	Yes	No
cb55b8a3-41b0- -47e0-a544- -ee01de6ba967	ROOT	PDF	05/15/2013 01:58:48 PM	05/15/2013 01:58:54 PM	5	Yes	No
<u>a3e0d60e-0154-</u> <u>-4c4e-adaf-</u> <u>-92f9993ff3e2</u>	ROOT	PDF	05/15/2013 01:58:33 PM	05/15/2013 01:58:40 PM	7	Yes	No
1 to 7 of 7							

You will also see a new search field:







Let's add a processor to the interface-root/interfaces/stub/routes/service/route.xml file to put a hard coded value into that attribute:

<Processor class="com.agencyport.substrate.module.APMessageAttributePopulator"
name="Faux Attrib Populator">

<ModuleConfig>

<ExecuteProcessor>true</ExecuteProcessor>

<AttributeScope>Transaction/AttributeScope>

deip_pair:com.pilotfish.FileExtension:eip_name:txt:eip_value deip_pair:com.pilotfish.FileExtension:eip_name:txt:eip_value deip_pair:com.pilotfish.FileExtension:eip_name:txt:eip_value <a href="https://www.eig.name.com.pilotfish.FileExtension:eip_name:txt:eip_value <a href="https://www.eig.name.com.pilotfish.FileExtension:eip_name:txt:eip_value <a href="https://www.eig.name.com.pilotfish.FileExtension:eip_name

</ModuleConfig>

</Processor>

Stop/Start the server and observe the Admin Console. Post to the stub again and refresh. Use the search tool. Bask in the warm glow of success.

Bonus

Create a new report parameter that stores the locale preferences of the client. Hint: The HTTP Post Listener automatically creates an attribute called 'com.pilotfish.Locale' with this information.