

SITQAPLUGIN info

Tuesday, May 05, 2015 8:30 AM

SIT QA Plugin

Source Code repo: <https://gitlab.factset.com/app-qa-automation/SITQAPLugin>

App Enum: SITQAPLUGIN

Deployment Locations

To install plugin, simply copy to the following directories.

SIT DEV:

[\\TELLUSGRIDB03\QueuePlugins\TELLUS SIT PLUGIN](#)

SIT PROD:

[\\TELLUSGRIDB01\QueuePlugins\TELLUS SIT PLUGIN](#)

Note: The PluginManager.log in those directories might show error message "PluginAttribute not found", but it still works.

SITQAPLUGIN Logging

SITQAPLUGIN log (DEV): [\\tellusgridb03\Tellus\SITQAPLugin\logs\SITQAPLugin.log](#)

SIT log (DEV): [\\TELLUSGRIDB03\QueuePlugins\TELLUS SIT PLUGIN\PluginManager.log](#)

Source Code Notes

The PluginAttribute should be on top of SITQAPLugin.cs:

```
[assembly:  
FactSet.IS.Core.Framework.PluginManager.PluginAttribute("ISTest.ESBConsumer.External.SITQA.SITQAPLugin")]
```

Batch ID

esbMessage:

Action: ISTestComplete

Data:

<data>

<data>

<ProductKey>3872</ProductKey>

<TestPlanId>81107</TestPlanId>

<TestCaseId>135091</TestCaseId>

<TestRunID>54137</TestRunID>

<TestStepID>1694</TestStepID>

<Status>PASS</Status>

<Passed>True</Passed>

<Environment>Production</Environment>

<TestCompleteTime>1/5/2017 7:00:17 AM</TestCompleteTime>

```
<TestEplapsedTime>1150</TestEplapsedTime>  
<TestElapsedTime>1150</TestElapsedTime>  
<BatchId>5985</BatchId>  
</data>  
</data>
```

=> Write to SITResults table

ISTestBatchStarting:

```
<data>  
<batch>  
<Time>1/5/2017 7:00:10 AM</Time>  
<BatchId>5985</BatchId>  
</batch>  
</data>
```

=> Write to SITResultBatches table

ISTestBatchComplete:

```
<data>  
<batch>  
<Time>1/5/2017 7:00:23 AM</Time>  
<BatchId>5985</BatchId>  
<Status>PASS</Status>  
</batch>  
</data>
```

=> Write to SITResultBatches table

SITQAPLUGIN development walkthrough

Wednesday, June 14, 2017 1:00 PM

IDE: MS Visual Studio 2013

Local Git repo setup

git clone <https://gitlab.factset.com/app-qa-automation/SITQAPLugin>

Opening project

- Select **File > Open Project/Solution**
- Select **SITQAPLUGIN.sln**

Code description

Under SITQAPLugin:

- AssemblyInfo.cs is application assembly configuration
- SITQAPLugin.cs is the entry point: its Activate method will be called by SIT. Then it does its actual work in SITQAPLuginHandler.OnAction method.
- SITQAPLuginHandler.cs is the main logic
 - Initialize() method setups up logging and database configuration
 - OnAction() method handles SIT events
 - **ISTestBatchStarting** event happens when a batch of test cases is starting. It writes to SITResultBatches table.
 - **ISTestBatchComplete** event happens when batch has completed.
 - It rolls up test case results into test case and job results
 - It writes to SITResults, TellusTestResult, and TellusTestcaseResults tables
 - Sends email notifications
 - This indicates test case and all tests are done
 - **ISTestComplete** event happens when test *step* is completed. It writes to SITResult table.
- Tellus.dbml is ORM (object relational mapping) configuration

```
SITBatches --[BatchID]-- SITResults --[GroupID]-- TellusTestCaseResult
                                         -- TellusTestResult
```

Under SITQAPLuginUnitTests:

- SITQAPLuginTest.cs has the unit tests
- SITQAPLuginTester > Program.cs was the original test, but it is not usually used anymore

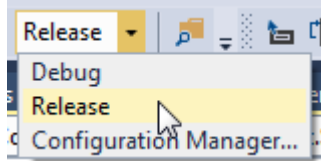
Unit Testing

- Open **SITQAPLuginUnitTests > SITQAPLuginTest.cs**
- Right click in editor
- Select **Run Tests** or **Debug Tests**

It will run all unit tests with [TestMethod] attribute.

Release

- Select Release build



- Select **Build > Rebuild Solution**
- Copy all files (*.DLL) in project\SITQAPLugin\bin\Release folder to SIT deployment folder

SIT DEV:

\\TELLUSGRIDB03\QueuePlugins\TELLUS_SIT_PLUGIN

SIT PROD:

\\TELLUSGRIDB01\QueuePlugins\TELLUS_SIT_PLUGIN

It should dynamically reload. But if it gets into bad state, you can restart queue in SIT UI.

Postman run SIT test

Thursday, January 05, 2017 9:37 AM

POST <http://is.factset.com/ISIntegrations/API/run>

Headers:

Content-Type: application/json

Data type: raw JSON

Post Data:

```
{
  "Environment": "Development",
  "Case": 115230
}
```