**Table of contents**

Test Tool  
Pre-requisites Repository folder structure  
Scenario/Test Plan ConfigTest Script Name  
Data Driven  
Transaction  
Correlation Rules  
Sanity Test Execution Results  
Known Issues  
Assumptions

**Test Tools**

The Apache JMeter application is open source software, a 100% pure Java application designed to load test functional behavior and measure performance.  
  
JMeter 4.0 is compatible with Java 8 or Java 9. It is highly advise you to install latest minor version of those major versions for security and performance reasons.

User Manual located here: -  
<https://jmeter.apache.org/usermanual/index.html>

**Pre-requisites**

To get started in testing fuse portal please download the latest JMeter application located here: -<https://jmeter.apache.org/download_jmeter.cgi>  
  
This project was developed using JMeter 5.1.1r1855137

**Repository folder structure**

* 01 Scenario
* 02 Test Scripts
* 03 Capture
* 04 Data

01 - Contains configured scenario to emulate a goal-oriented tests. i.e. soak, load etc

02 - Contains the latest version of test scripts and if updates/changes require the scenario to be updates with the latest changes to the test scripts

03 - Raw capture of the business process

04 - Maintenance and usage of test data such as username and password that would be shared with scenario execution. Data consideration are, Unique, Random, Once, Sequential and thought on data states with any burnt data after execution.

**Scenario/Test Plan Config:**

Scenario/Test Plan Name: Fusion  
RampUp: 1000 vuser every 0.033 second.   
RampUp Time: 30secs  
Target Txns: TPH SignIn page, Login, Sign-out.  
Duration: 30sec after rampup  
Debug/logging = OFF  
Think Time = NONE  
Pacing = NONE  
If Error = Continue

Test Script Name:   
Test Script Steps: Login, Landing page displayed, logout

**Data Driven:**

Attribute: CSV Host  
Element: Protocal,URL,Port  
File Name: Host.csv

Attribute: CSV Credentials  
Element: username,password  
File Name: Users.csv

*Please note the absolute path of the .CSV files will need to be pointed correctly or converted into a relative path.*

**Transaction:**

Measurable transaction time and TPH

Business Process Txns:  
000 - Business Process Login

Parent Txns:  
100 – SignInPage  
200 – Login  
300 - SignOut

Verification Points:

Verification point are place to ensure the page is loaded correctly and does not error.

120-home  
164-login  
192 logoff

**Correlation Rules:**

csrf-token  
service\_sid  
clientId

**Sanity Test Execution Results:**

2019/07/16 - Validate with single and multiple iteration sequentially but no concurrent threads. Passed.  
Data for user creditable will need to be populated with further rows.  
Vuser multiple iteration   
Vuser serial threads

**Known Issues:**

Verify that session is being closed in application logs  
Widget Disabled as was throwing error from 170 - 185 requests. Required further debugging

**Assumptions:**

The widget loading is Asynchronous calls.