**JCTE – Squish Automation Machine Setup Guide**

## **Folders & Files Setup**

1. Run ‘**Automation\_Setup.vbs**’ from the share path.

\\seavvfile1\projectmgmt\_pmo\6003 Crew Scheduling 2012\Testing\Crew\_Tracking\_Testing\_Team\Cognizant\_QC\AUTOMATION\Common

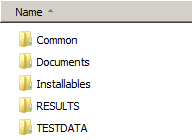
**This script will do the below setup**

* 1. Maps the below share path folder a **S:** drive

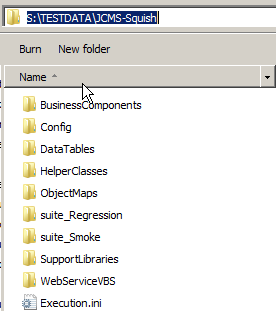
\\seavvfile1\projectmgmt\_pmo\6003 Crew Scheduling 2012\Testing\Crew\_Tracking\_Testing\_Team\Cognizant\_QC\AUTOMATION



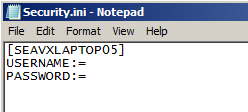
**Typically, S: drive will have 5 main folders**.



1. Common - Where common scripts are stored. (S:\TESTDATA\Common)
2. TESTDATA - Where all Scripts (BusinessComponents) and Test Data (DataTables) files are stored. (**S:\TESTDATA\JCMS-Squish** for Squish)



1. RESULTS - Where the automation results files are stored.
2. Documents - Where all the automation related documents are stored.
3. Installables - Where Squish and few other useful installables are stored.
   1. Creates **AUTOMATION\_SETUP** folder in the Local **C:\** drive.
   2. Creates a file named **Security.ini** under the **C:\AUTOMATION\_SETUP** folder with lines shown below.



**Note:** Update this file with the username & password you are going to use for JCTE application

* 1. And creates **Squish\_Setup.ini** and **UFT\_Setup.ini** files under **C:\AUTOMATION\_SETUP** folder with the following variables.

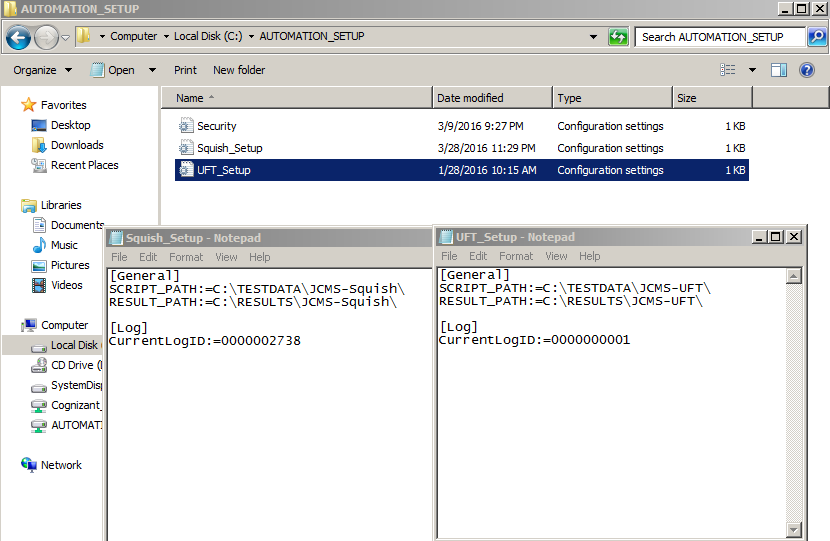
[General]

SCRIPT\_PATH:=C:\TESTDATA\JCMS-Squish\

RESULT\_PATH:=C:\RESULTS\JCMS-Squish\

[Log]

CurrentLogID:=0000000001

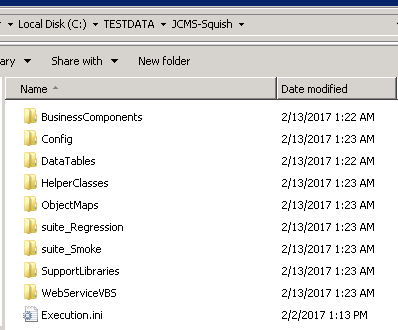


**Note:** The above is the typical setup for regression or any execution. These path variables (SCRIPT\_PATH and RESULT\_PATH) can be changed according to our need.

2. Make the below folder structure in C drive if it’s not exist already.

**C:\TESTDATA\JCMS-Squish**

3. Copy all files and folders of **S:\TESTDATA\JCMS-Squish** to **C:\TESTDATA\JCMS-Squish** like below.



## **Installing Squish**

**Prerequisites**

1. Install latest **64-bit JRE** version. Squish needs **64-bit JRE**.

**Note:** Remove **32-bit JRE** if any

1. Create **C:\Tools\Squish** folder

**Note:**

**S:\** drive in this document refers to below share path.

\\seavvfile1\projectmgmt\_pmo\6003 Crew Scheduling 2012\Testing\Crew\_Tracking\_Testing\_Team\Cognizant\_QC\AUTOMATION

If you do not have **S:\** drive mapped, map it manually or run ‘**Automation\_Setup.vbs**’ from the share path.

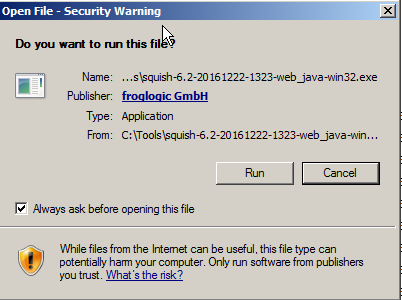
\\seavvfile1\projectmgmt\_pmo\6003 Crew Scheduling 2012\Testing\Crew\_Tracking\_Testing\_Team\Cognizant\_QC\AUTOMATION\Common

**Steps**

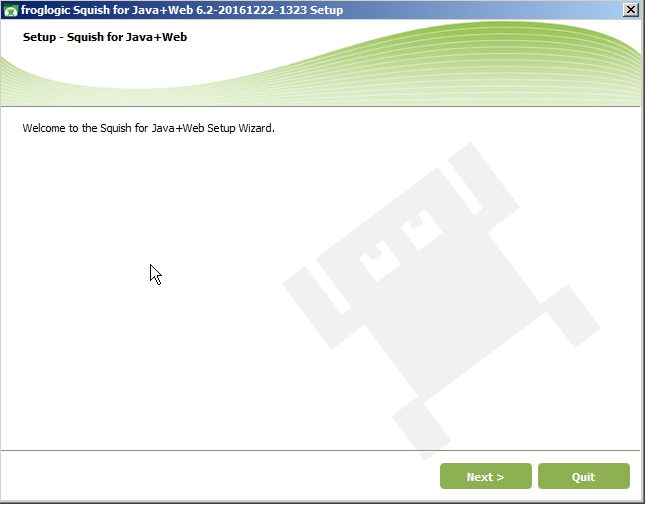
1. Copy squish installable from the below path to your local path

S:\Installables\Squish versions

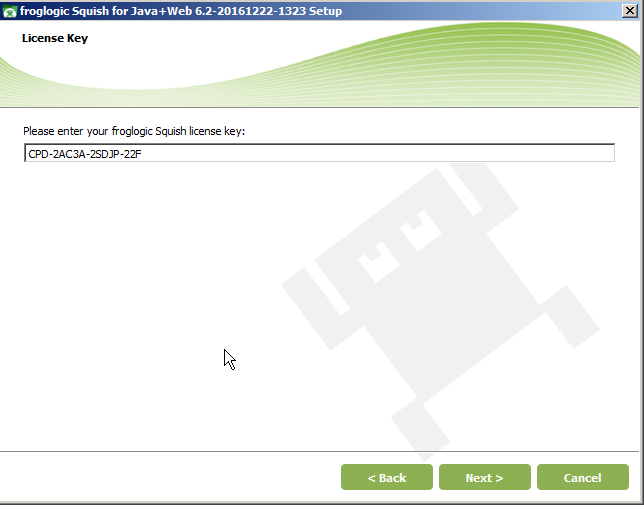
1. Execute the local copy of installable by double clicking on it



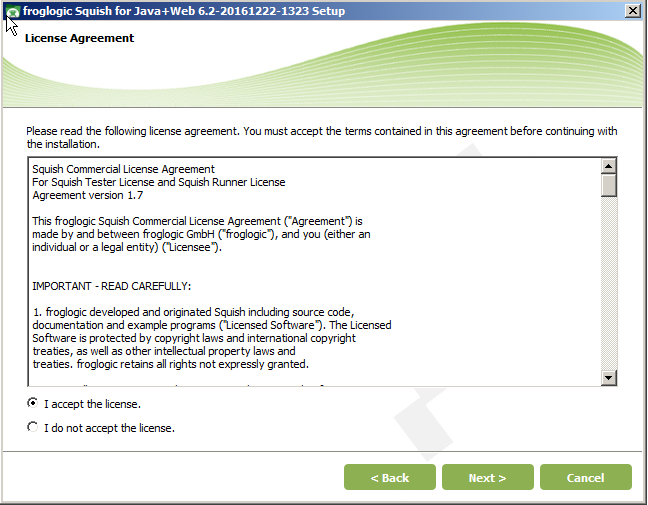
1. Click on Run. You will see the below Installation wizard.



1. Click on Next and Enter the license key (CPD-2AC3A-2SDJP-22F)

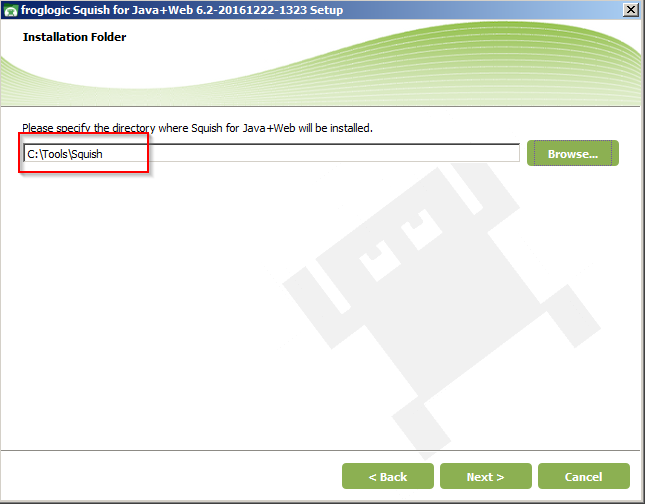


1. Click on Next. And select “I accept the license”

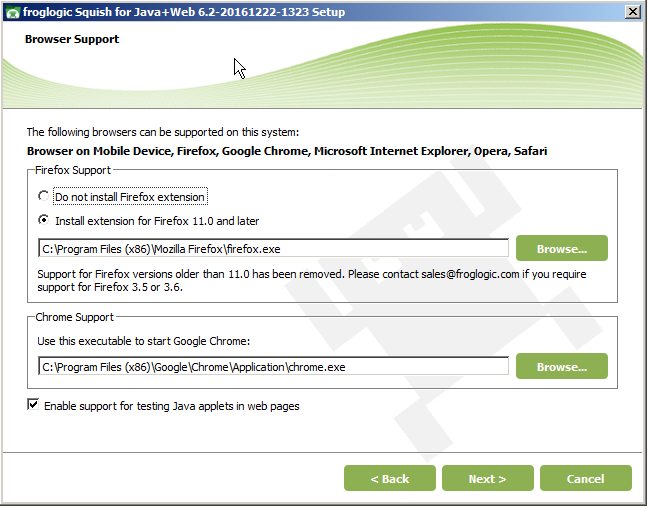


1. Click on Next. Choose C:\Tools\Squish as install directory. (create this directory if not exists)

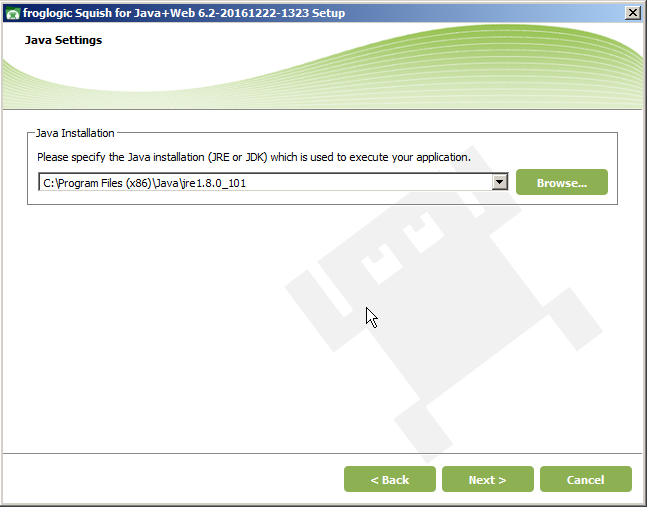
**Note: This is important for running test cases from QC/ALM. This path is configured in QC/ALM server.**



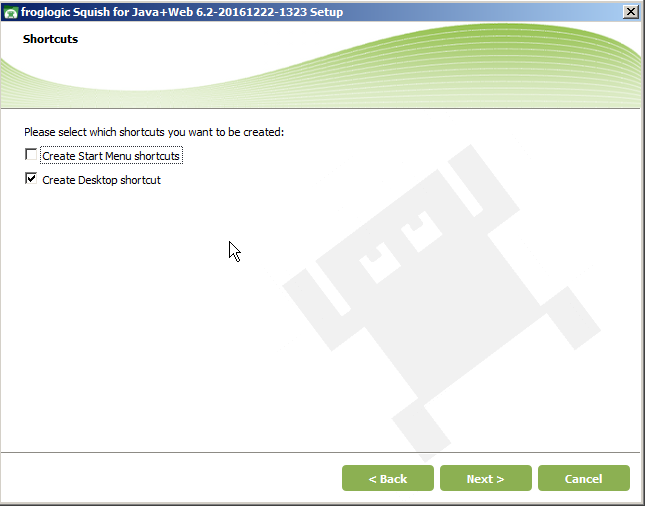
1. Click on Next and Select “Install extension for Firefox 11.0 and later option if you want to execute tests in Firefox.



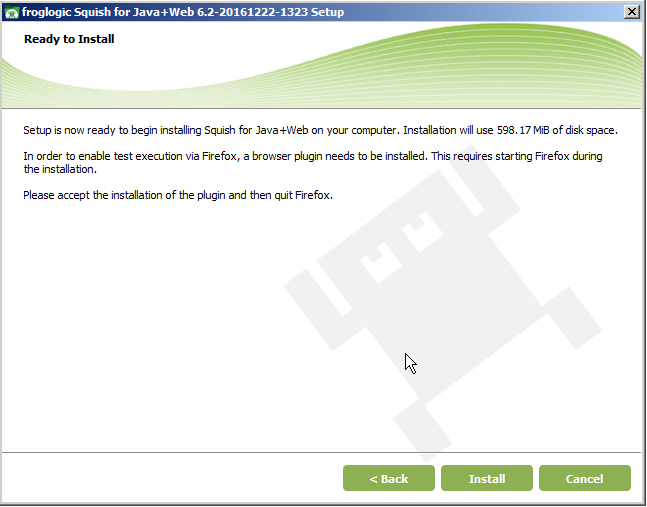
1. Click on Next and choose the 32-bit JRE version if it’s not picked up automatically



1. Click on Next and Select required options

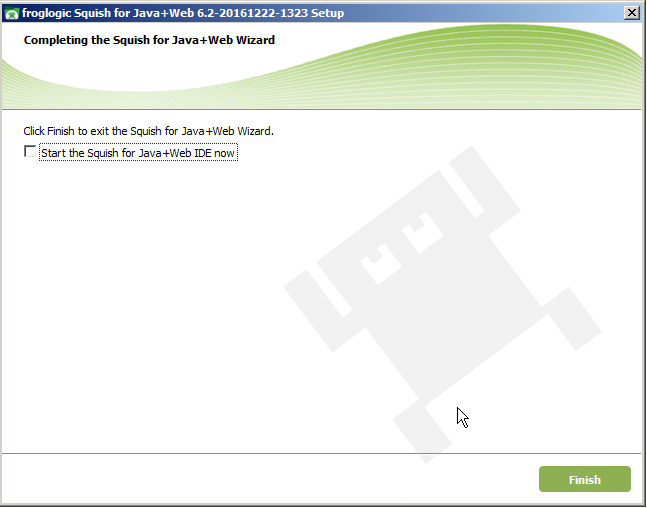


1. Click on Next and click on Install. Wait for the installation to complete.

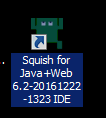


**Note:** Firefox browser will get opened for add-on installation if you have selected to install Firefox browser support.

1. Click on Finish.



1. To start IDE, find the latest shortcut on desktop and double click it.

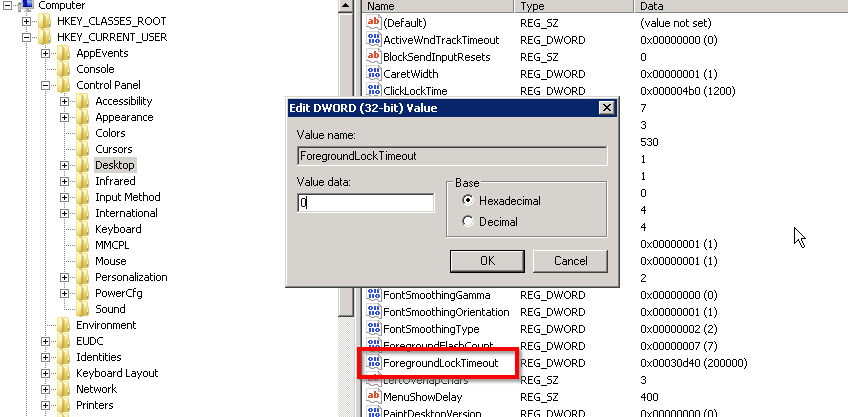


## **System Setup**

During test case execution, script has to switch between editors. This sometimes fail. In order to make it work all the time the below registry update needs to be done (this is recommended by frogLogic).

1. Click on Start menu button.
2. Open Registry by Typing regedit in the Search textbox.
3. Update the registry key HKEY\_CURRENT\_USER (HKCU\Control Panel\Desktop\ForegroundLockTimeout) to 0
4. Restart the machine. The change will be applied only after restarting.

**Note:** The registry needs to be updated whenever you are working on a new machine since this setup is user-specific.

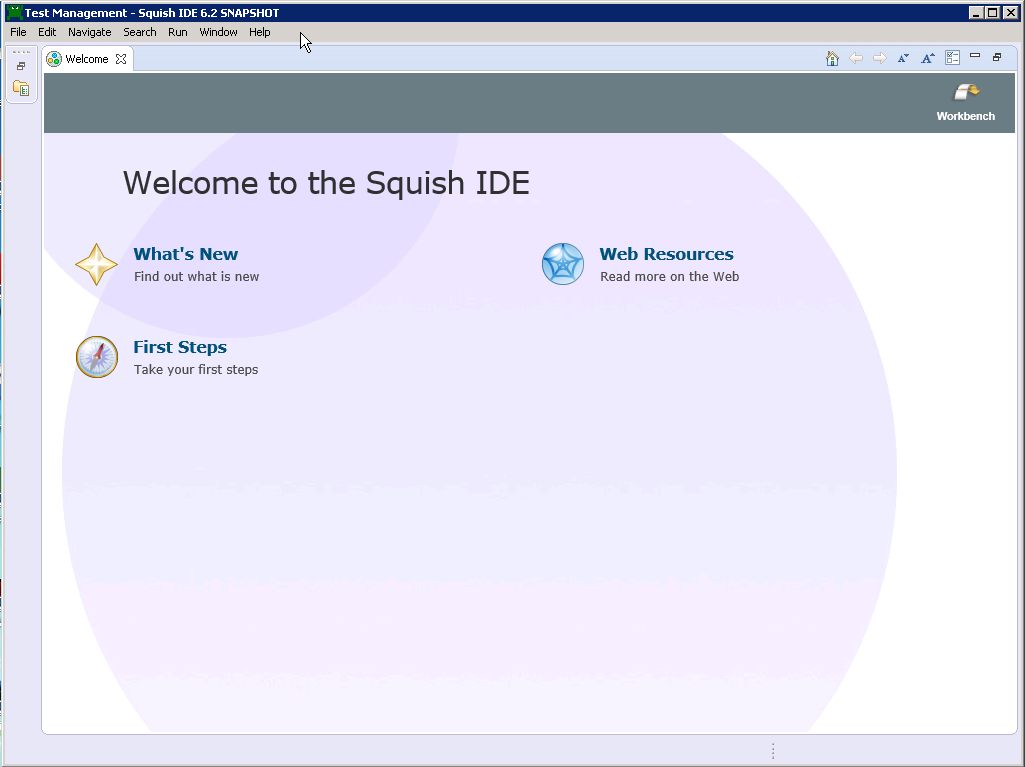


## **Squish Setup (IDE)**

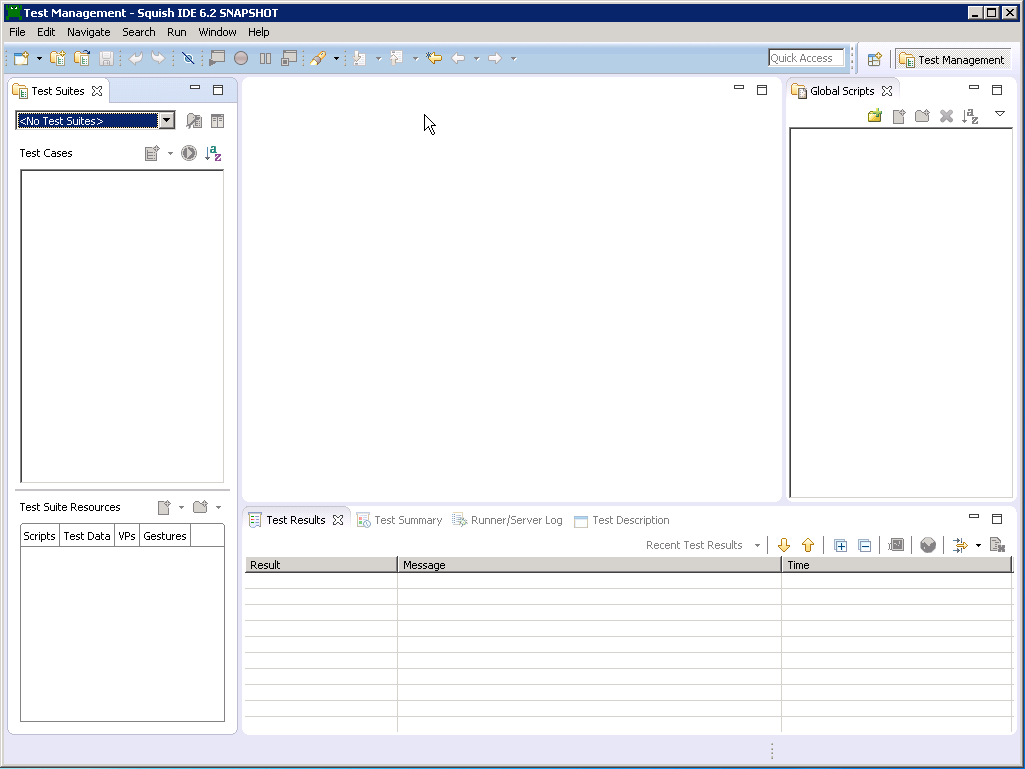
1. Open Squish IDE.

if you couldn’t find the shortcut in Desktop, go to C:\Tools\Squish and double click on **squishide.exe**

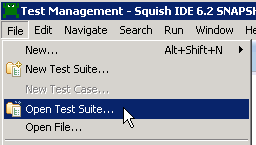
1. Squish Welcome page will be displayed as below.



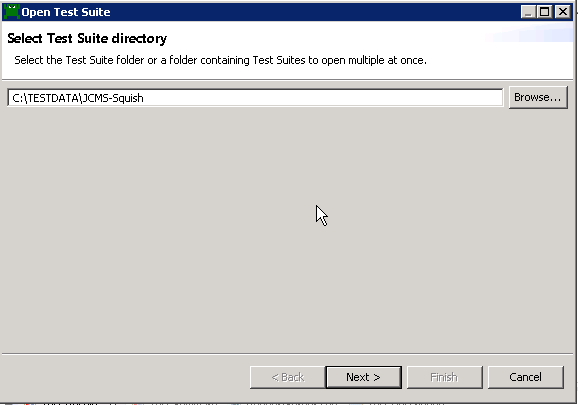
1. Click on Workbench on the **Top Right** corner. You will see the below Squish IDE.



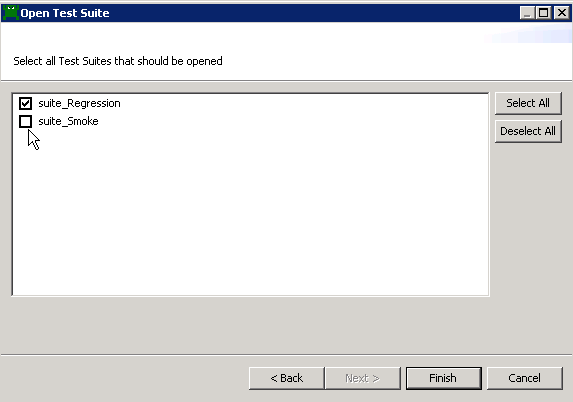
1. Click on File -> Open Test Suite



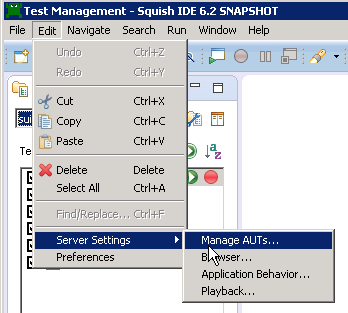
1. Select C:\TESTDATA\JCMS-Squish folder by clicking on Browse button.



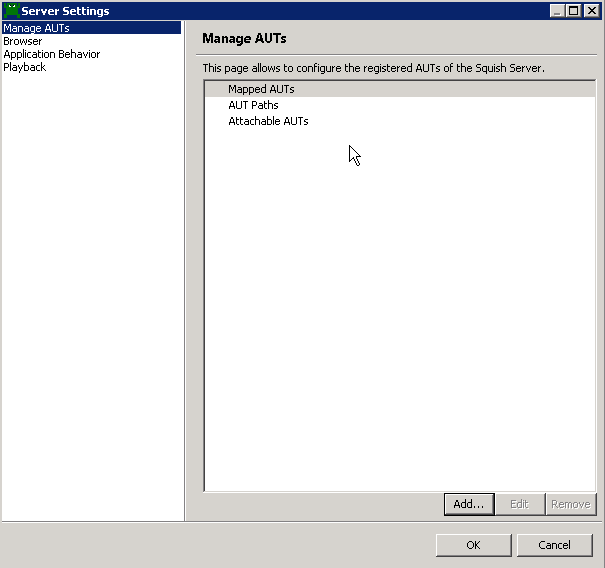
1. Click Next and select suite\_Regression.



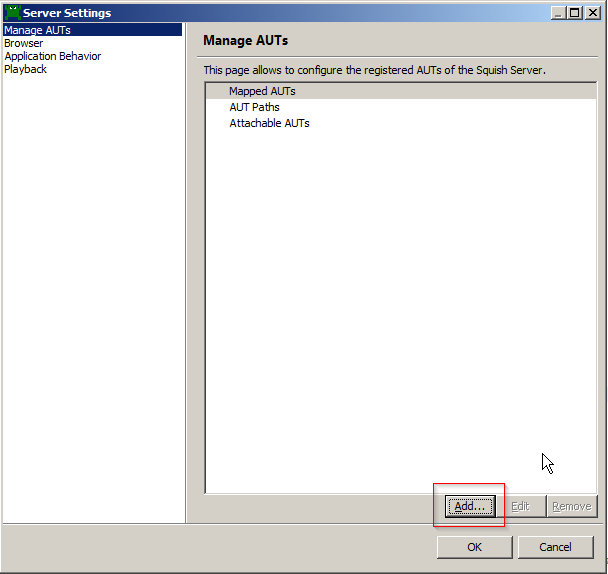
1. Click on Finish. Squish Test cases (under suite\_Regression) will be imported.
2. Click on Edit -> Server Settings -> Manage AUTs.

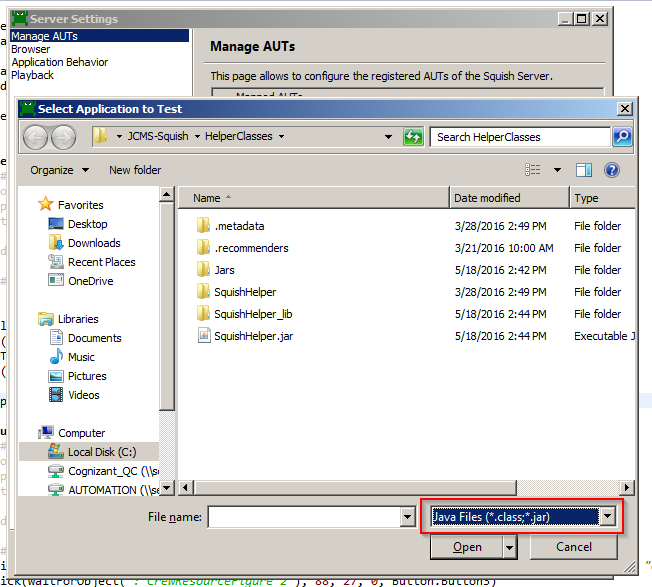


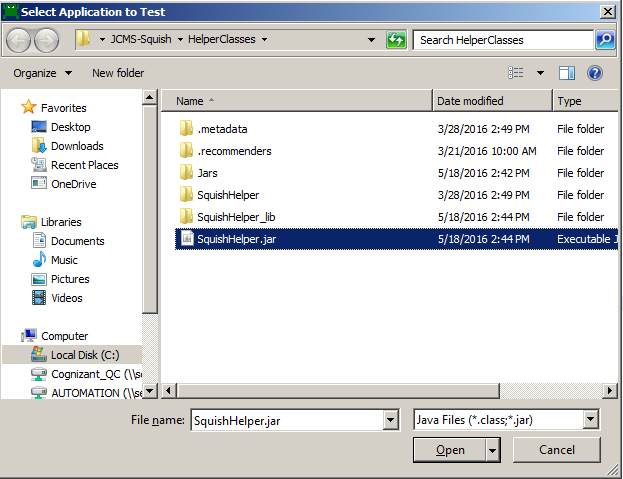
1. Server Settings window will be opened. Click on Manage AUTs and Click on the Add button below.



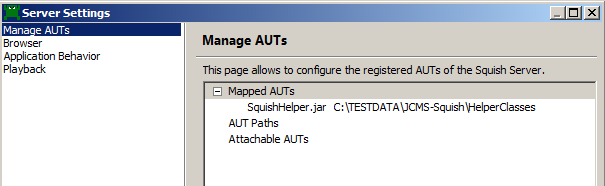
1. Click on Add button.



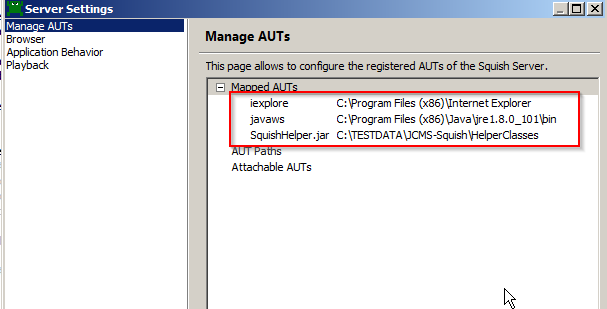
1. Navigate to C:\TESTDATA\JCMS-Squish\HelperClasses and Select ‘Java files’ option in the below highlighted combo box.
2. Then select SquishHelper.jar



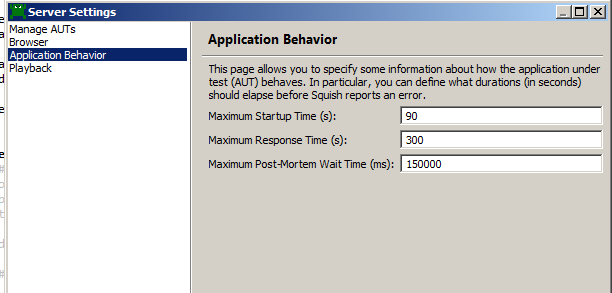
1. Click on open. Helper jar will be added like below.



1. Similarly add below applications



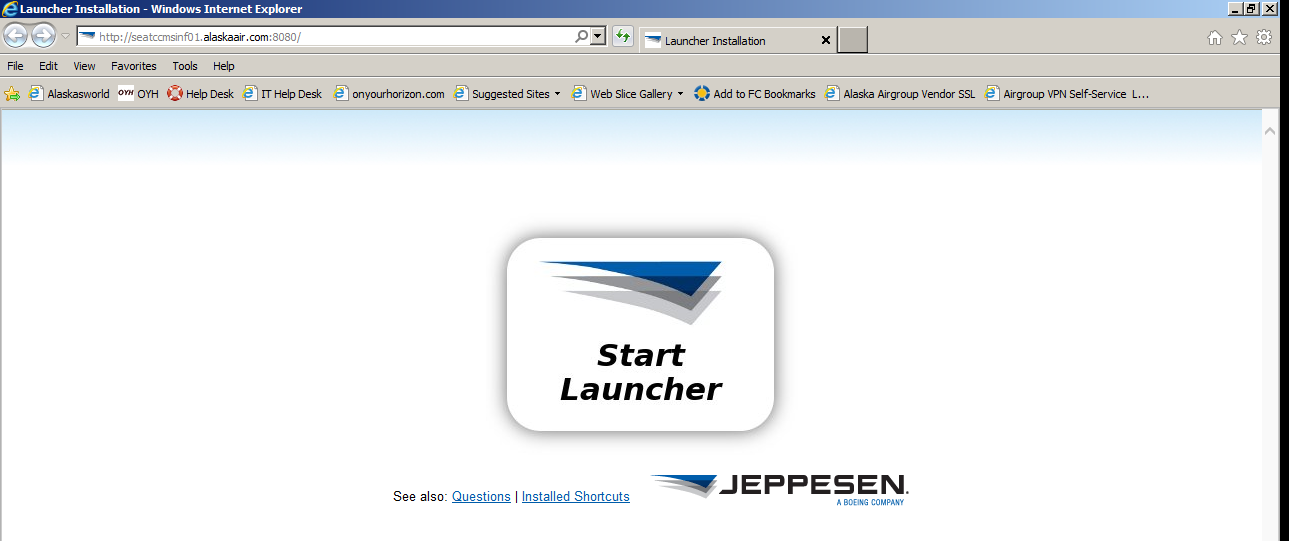
1. Click on “Application Behavior” on the left side of the Settings window. And set the values as shown below.



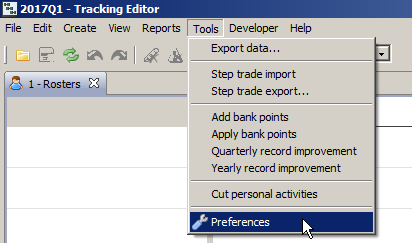
## **Application Setup**

This is one time set up which has to be done in Tracking Editor. This is required as all the date calculations are done as UTC datetime in the automation code.

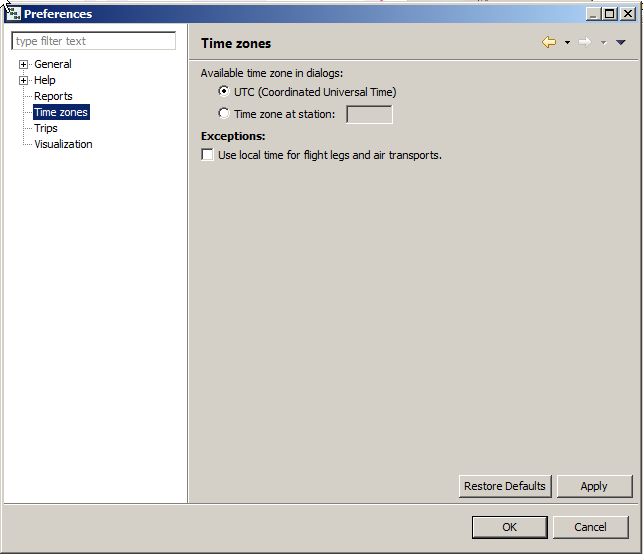
1. Open the application URL in any browser



1. Click on Start Launcher. Application will be opened.
2. Open Tracking Editor. Click on Tools -> Preferences menu



1. Time zones under Preferences window should be set as below.



## **Data Setup**

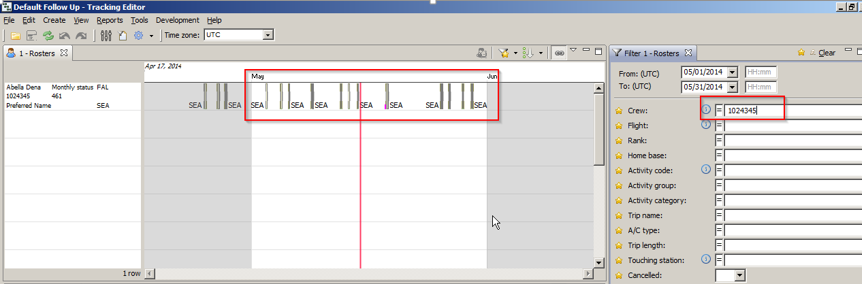
1. CommonData

**Note:** This has to be done before every execution because crew status gets changed often

1. Open DataTables folder under **C:\TESTDATA\JCMS-Squish**
2. Open ‘TrackingEditor.xls’ and go to the Sheet ‘CommonData’
3. Search in Tracking Editor for Crew IDs from a particular group (long call, short call… etc.,) for the positions CA, FO and FAL and update the **Value** Column with Crew ID**.**

**Note:** Try to select Crew IDs which has empty roster for the current month (Now line month). If not de-assign all the activities from the selected crew ids.

1. Open the Tracking Editor
2. Filter by the Crew ID and remove all activities for that month (Now line month)
3. Save the plan
4. Repeat these steps for all the Crew IDs used in Test Data



1. Update **Execution.ini** - for select the Environment on which the tests to be executed.

**Path:** C:\TESTDATA\JCMS-Squish\Execution.ini

**Execution.ini** is a configuration file (under JCMS-Squish folder) in which execution environment selection and the Now Line month are configured.

[General]

TEST\_ENVIRONMENT:=CERT

NOW\_LINE\_MONTH:=12/2016

################################

# TEST\_ENVIRONMENT values

################################

# for CERT environment - CERT

# Development - DEV

# TEST environment - TEST

# Test Business - TBIZ

# Training - TRN

# Intracking - INT

# QA environment - QA

################################

NOW\_LINE\_MONTH – The current month as displayed in the JCTE applications (this is used in creating trips based on now line)

1. **Automation.ini** – Explanation

**Path:** C:\TESTDATA\JCMS-Squish\Config\Automation.ini

**Automation.ini** is a configuration file in which each environment specific values are defined. And Suite files can be configured.

SUITE\_NAME – Name of the Sheet in SUITE\_FILE (SmokeSuite or RegressionSuite)

SUITE\_FILE – Suite file, which will have the list of test cases to be executed. It can

have any name and it can be kept under any path

[SERVER] – Server on which the Tests are performed (CERT or TEST or QA).

SERVER – URL to the environment where tests are performed

MQ\_URL – URL to the MessageQueue specific to the environment where tests are

performed

MQ\_ENV – QueueManager under the MessageQueue where the XML files are to be

Processed e.g. CMSA for CERT, QMMFT for TEST.

**Note:** If a line starts with **#**, it’s considered as Comment and this line will be ignored by the script.

**Sample Automation.ini**

#Sheet Name inside the Suite Excel

SUITE\_NAME:=TestSuite

SUITE\_FILE:=C:\TESTDATA\JCMS-Squish\DataTables\TestSuite.xlsx

[CERT]

SERVER:=seatccmsinf01.alaskaair.com

CREWACCESS\_URL:=http://seatccmsweb01.alaskaair.com:20200/site/

CREWACCESS\_PWD:=abcd123

MQ\_URL:=http://mqadm.test.insideaag.com/

MQ\_ENV:=CMSA on wmq1.dev.insideaag.com

INTERFACE\_WAIT\_TIME:=60

I2\_FS\_PATH:=\\seavvfile1\IT\_VICrewMgmt\IT Crew Tracking\TestCert\FromAOS\Lines\1.FileShare

I2\_FS\_SUCCESS:=\\seavvfile1\IT\_VICrewMgmt\IT Crew Tracking\TestCert\FromAOS\Lines\4.Success

I14\_FileShare\_Path:=\\seavvfile1\IT\_VICrewMgmt\IT Crew Tracking\TestCert\FromFlightCrewSupport\1.FileShare

I9\_FileShare\_Path:=\\seavvfile1\IT\_VICrewMgmt\IT Crew Tracking\TestCert\FromNetworkPlanning\1.FileShare

I9\_FS\_SUCCESS:=\\seavvfile1\IT\_VICrewMgmt\IT Crew Tracking\TestCert\FromNetworkPlanning\4.Success

I1\_AOS\_FileShare:=\\seavvfile1\IT\_VICrewMgmt\IT Crew Tracking\TestCert\FromAOS\Trips\1.FileShare

I5\_NAvtech\_FileShare:=\\seavvfile1\IT\_VICrewMgmt\IT Crew Tracking\TestCert\FromNavtech\1.FileShare

[TEST]

SERVER:=seatscmsinf01.alaskaair.com

MQ\_URL:=http://mqadm.test.insideaag.com/

MQ\_ENV:=QMMFT on wmq1.dev.insideaag.com

[QA]

SERVER:=seaqacmfinf01.alaskaair.com

MQ\_URL:=http://mqadm.test.insideaag.com/

MQ\_ENV:=CMSA on wmq1.dev.insideaag.com

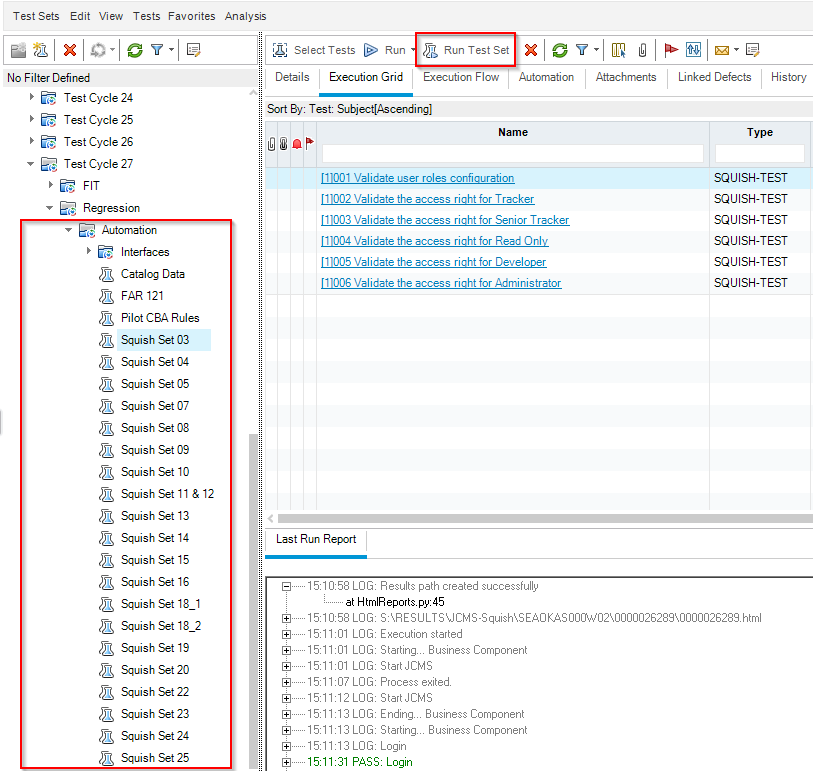
## **Running from QC/ALM**

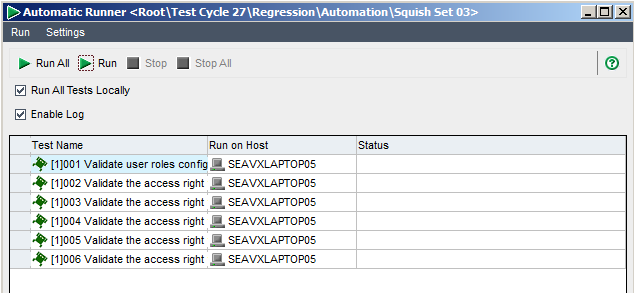
1. Copy **SquishServer.bat** from **S:\Common** drive to your desktop (or location of your choice).
2. Start Squish server.

Locate the below .bat file in your desktop and execute it.



1. Login to QC/ALM and navigate to Test Lab, create test sets for all automated tests like below.



1. Click on Run Test Set. Below Runner window will open.  
   
2. If not checked, check “Run All Tests Locally” option.
3. Click on Run in the Runner window.

## **Revision History**

| **Revision** | **Date** | **By Whom** | **Approver & Date** | **Changes** |
| --- | --- | --- | --- | --- |
| V 1.0 | 02-28-2017 | Vijay D |  | Initial version |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |