User Manual

V 1.0

Document History

Date	Version	Author	Description
18/02/2013	Draft	Eternus Solutions	Initial Draft

1. About this document

This document provides all the necessary information to the end user to configure and execute UltraTest.

2. Assumptions

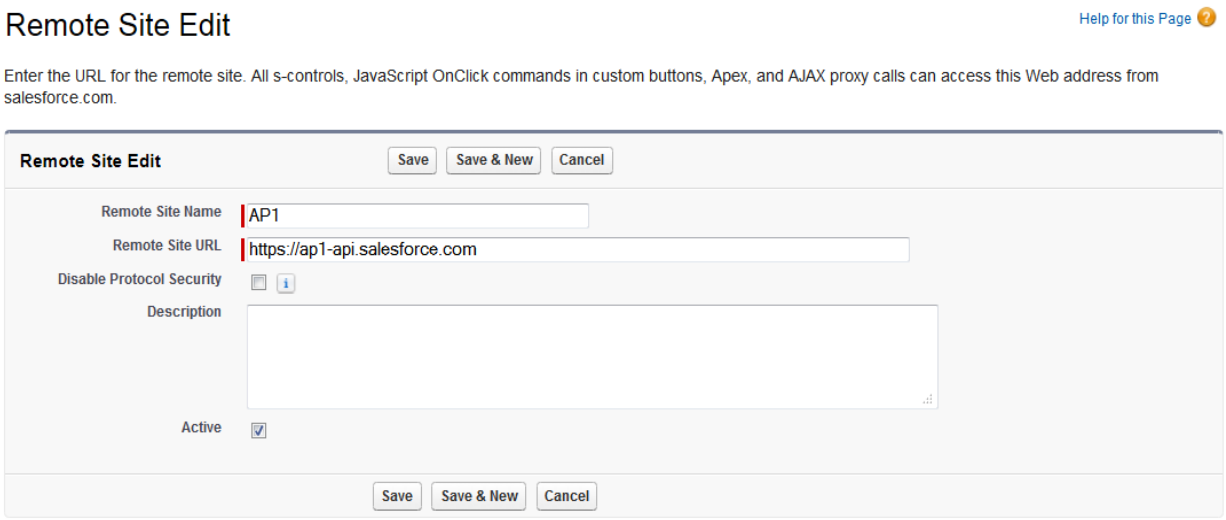
The end user should have adequate information regarding test classes, test methods and test code coverage and performing test code execution on Salesforce.

3. UltraTest Configuration

3.1 Adding Remote Site Settings

To add the Remote Site URL to Remote Site Settings follow the following steps:

1. Click Setup | Administer | Security Controls | Remote Site Settings.
2. To add new remote site click on “New Remote Site”. The remote site URL can be identified from your browser’s address bar.
3. Enter the details as shown below and click “Save”.

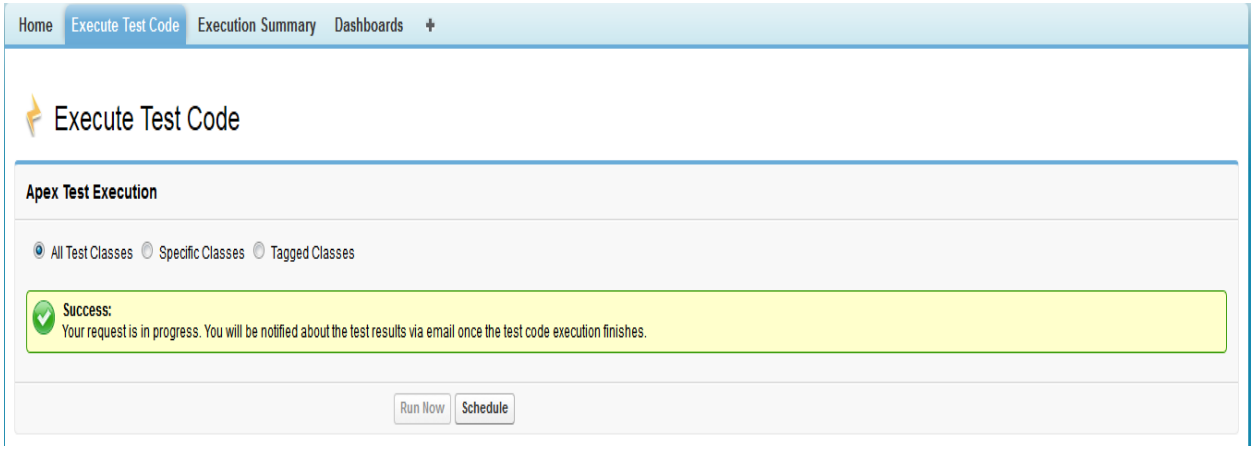


3.2 Running Test Code for All Classes

Running the test for all classes would result in running the test for all the Apex Test classes present in the current Salesforce organization. To execute Apex Test code for all classes perform the following steps:

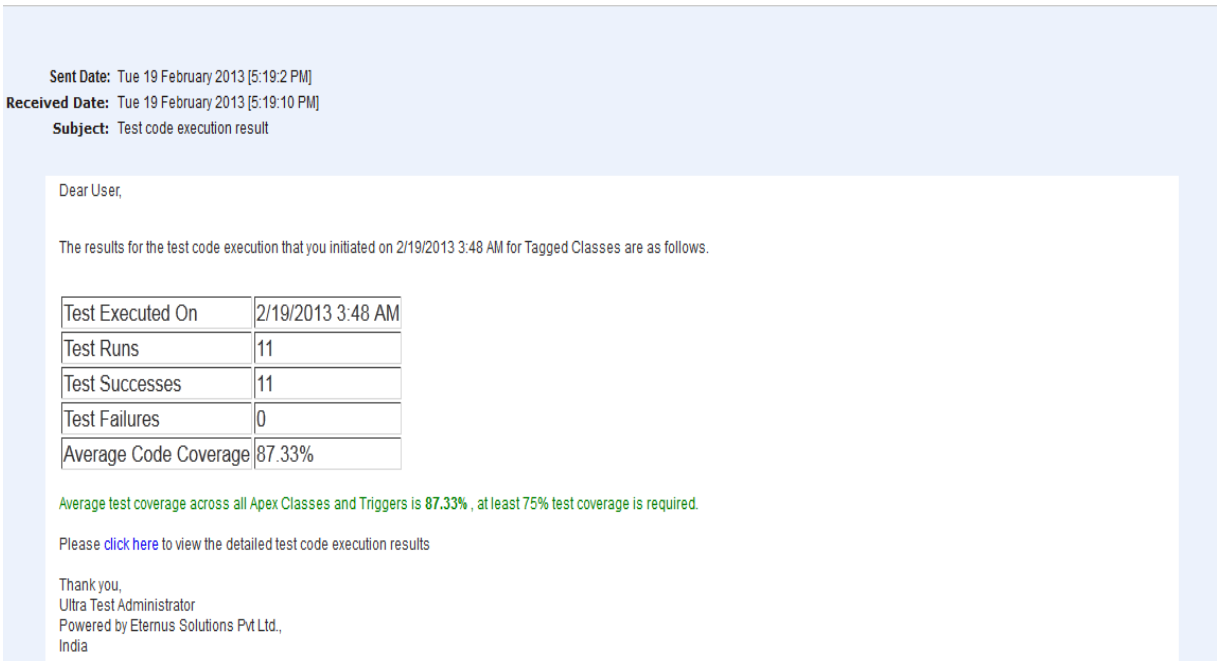
1. Click on the "Execute Test Code" tab.

2. Select "All Test Classes" and click “Run Now”. The following screen is shown to the user.



3. After the processing of your request, you will receive an email notification with details of the Apex Test code execution results on the configured email address. If there is no user configured in the UltraTest Email Config custom setting, the email notification is sent to the current user’s email address.

4. Following is the screenshot for the email notification received after processing of the test code execution:



Sent Date: Tue 19 February 2013 [5:19:2 PM]
Received Date: Tue 19 February 2013 [5:19:10 PM]
Subject: Test code execution result

Dear User,

The results for the test code execution that you initiated on 2/19/2013 3:48 AM for Tagged Classes are as follows.

Test Executed On	2/19/2013 3:48 AM
Test Runs	11
Test Successes	11
Test Failures	0
Average Code Coverage	87.33%

Average test coverage across all Apex Classes and Triggers is **87.33%** , at least 75% test coverage is required.

Please click here to view the detailed test code execution results

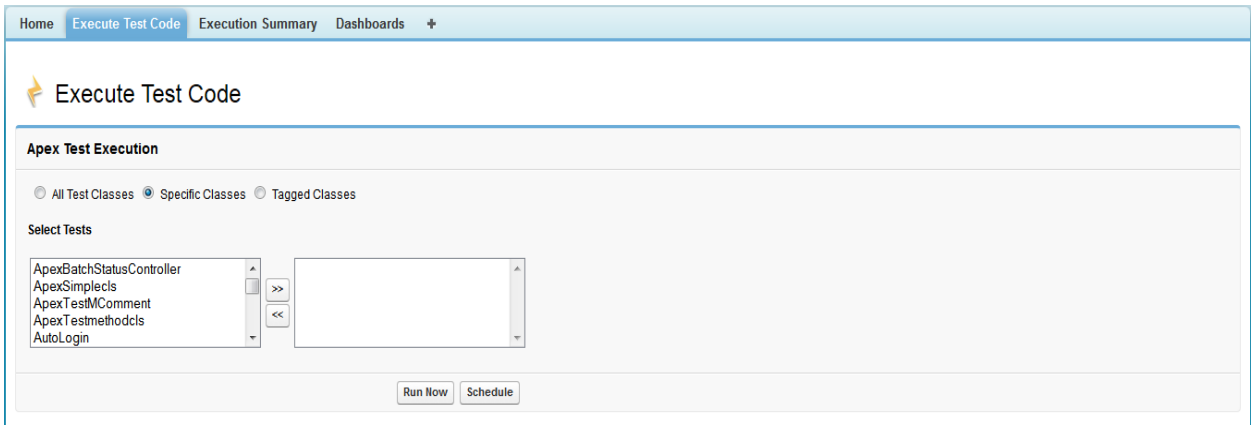
Thank you,
Ultra Test Administrator
Powered by Eternus Solutions Pvt Ltd.,
India

3.3 Running Test Code for Specific Classes

The user can select the Apex Test classes of his choice for which he would like to perform test code execution and identify the test code coverage. To execute test run for specific classes follow the following steps:

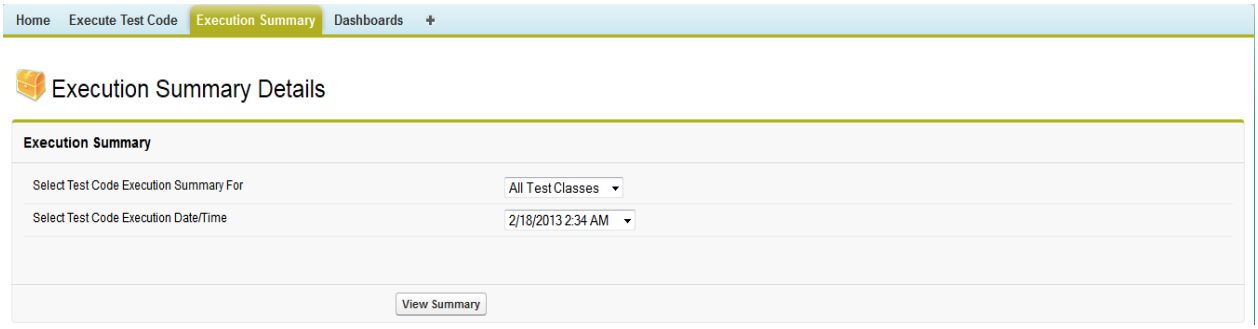
1. Click on the "Execute Test Code" tab.

2. Select "Specific Classes" and following screen will be shown:



3. Select the Apex test classes and click the "Run Now" button.

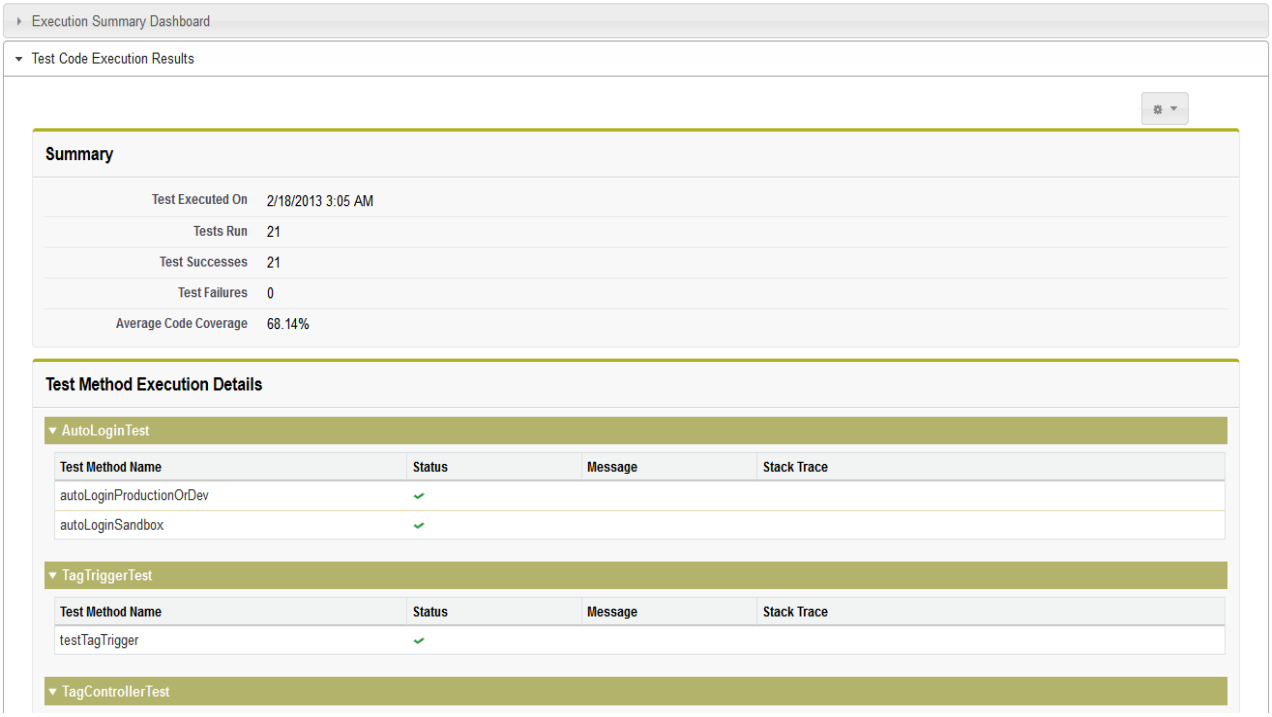
4. After the processing is complete an email notification is sent to the configured email address. Click the "Execution Summary" tab to view the following report:



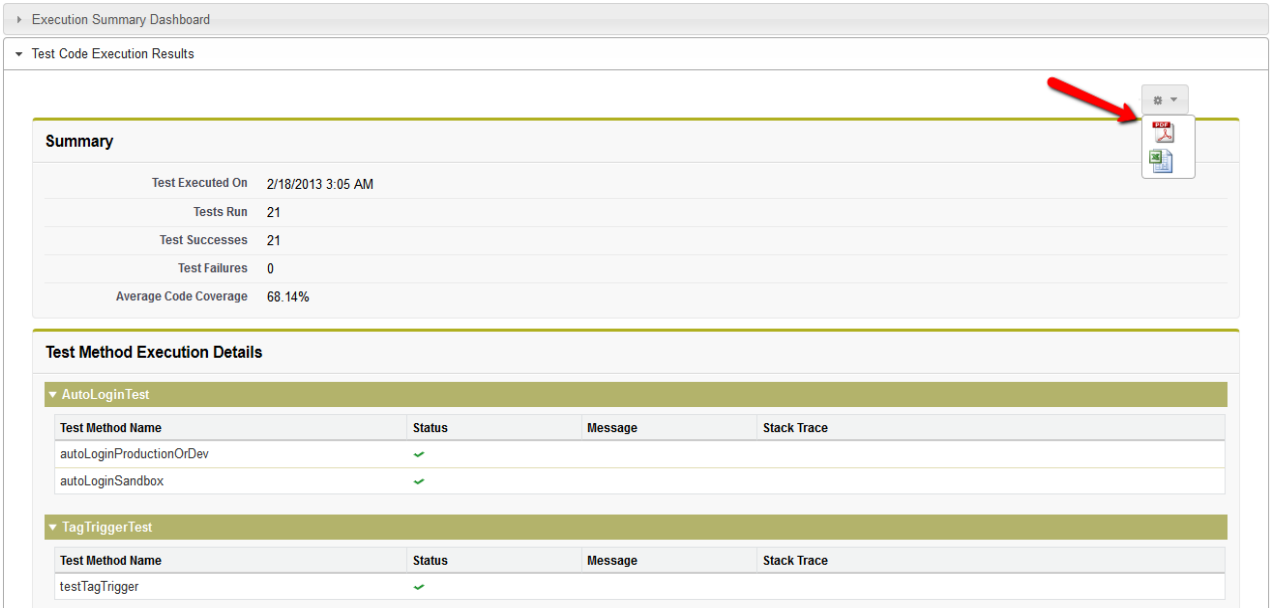
5. Select "Specific Classes" option from the first drop down list and the Execution Date/Time from the second drop down list. The Execution Date/Time signifies the date and time at which the test execution was run for a specific category of execution (All Test Classes, Specific Classes or Tagged Classes).

6. Click the "View Summary" button to view the graphical representation of Apex test code execution as shown below:

7. Click "Test Code Execution Results" to view the Apex Test Code execution summary details as shown below:



8. Click the “Export to Pdf” or “Export to Excel” icons in order to export the Apex Test Code Execution results to PDF and MS Excel formats as shown below:



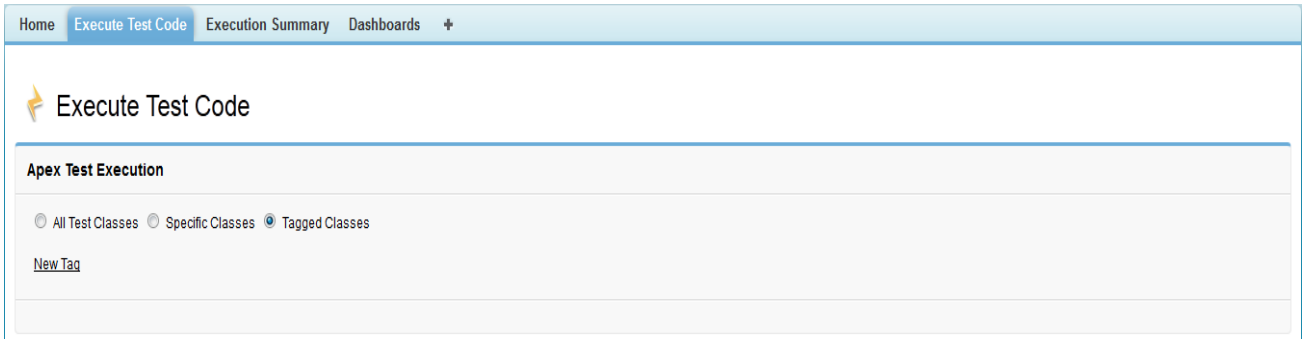
3.4 Running Test Code for Tagged Classes

Tag is used to demarcate a specific class or multiple classes with a common text that helps grouping of Apex Test classes in order to remember them for future executions. All Test Classes under the same tag can be scheduled and run multiple times by selecting a particular tag.

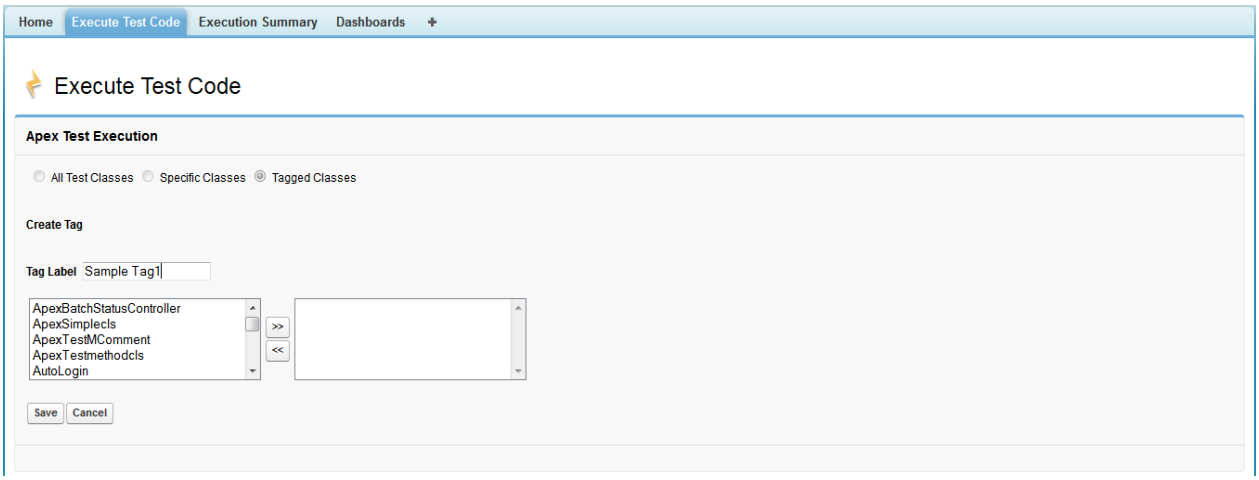
To perform Apex test code execution for tagged classes perform the following steps:

1. Click on the "Execute Test Code" tab.

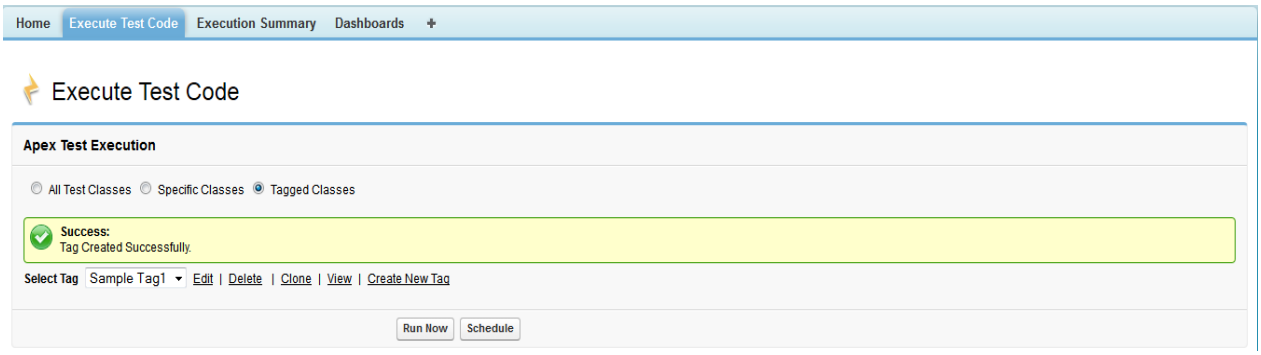
2. Select "Tagged Classes" and the following screen will be shown:



3. To create a new tag click the "New Tag" link and the following screen is shown to the user:



4. Provide the tag label and select the Apex Test Classes which need to be grouped as a part of that tag. Click "Save" to persist the tag. After saving the following screen is shown:



5. Click on "Run Now" to generate the test code result summary for the specified tag.

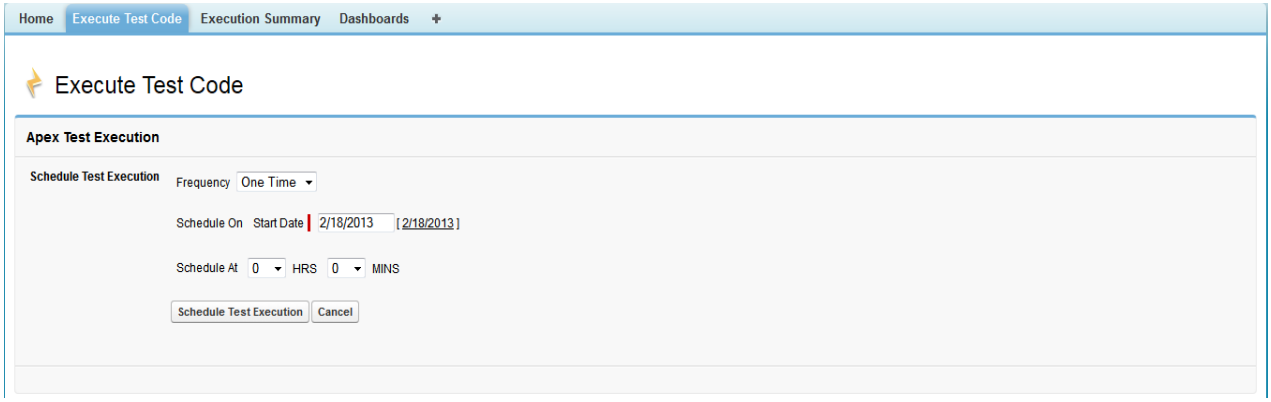
6. Click "Edit" link to modify the classes marked under the tag. Click "Delete" to delete the tag. Click "Clone" to create a new tag with the classes same as of the source tag and "View" to see the classes under that specific tag.

3.4 Scheduling the Apex Test Code Execution

UltraTest provides he user with the ability to schedule the Apex Test Code Execution for "All Test Classes", "Specific Classes" and "Tagged Classes". To schedule an Apex Test Code Execution perform the following steps:

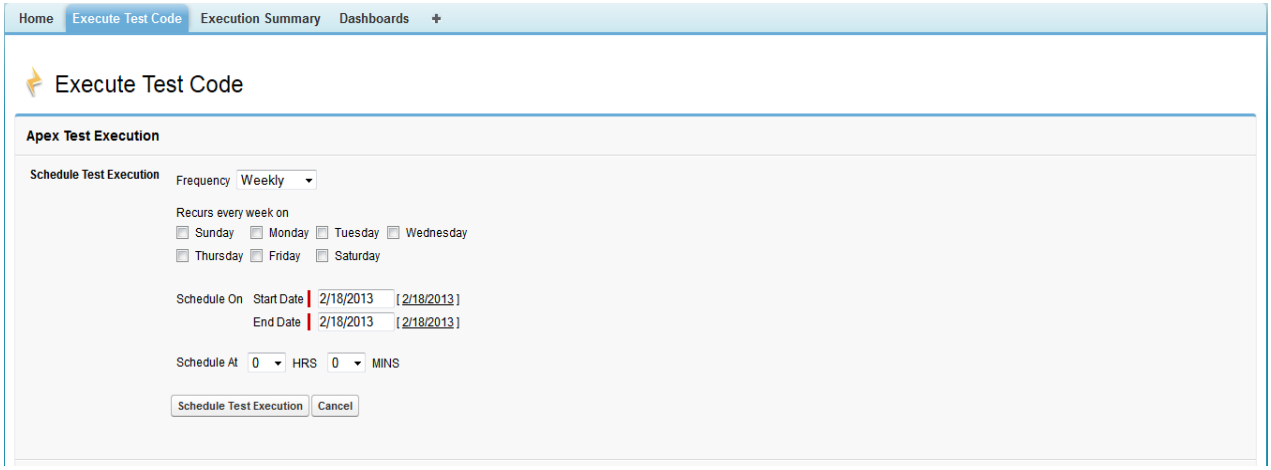
1. Click on the "Execute Test Code" tab.

2. Select "All Test Classes" and click the “Schedule” button, following screen is shown:

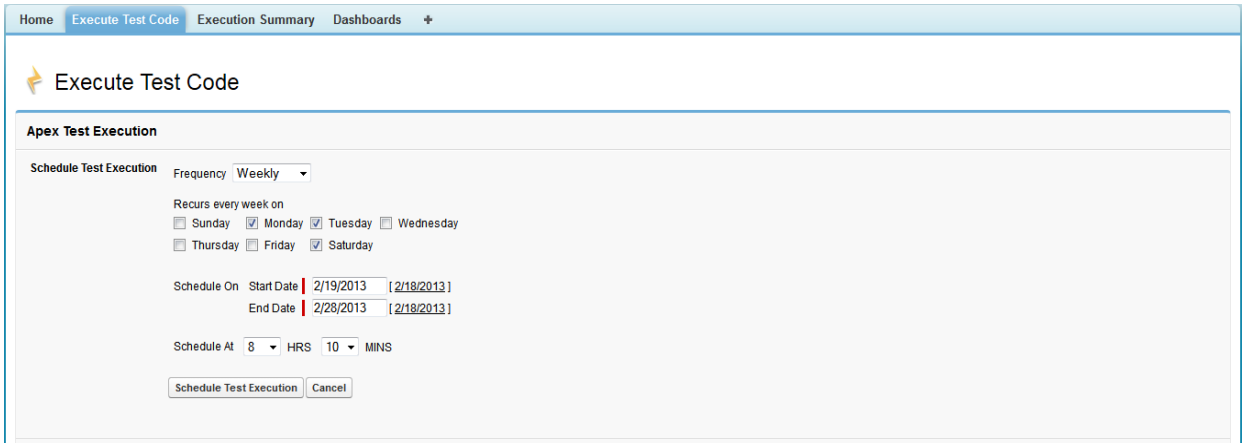


3. The user can select the frequency of execution as "One Time", "Weekly" or "Monthly".

4. Selecting the frequency as "Weekly" displays the following screen giving the user the flexibility to choose the day of the week on which the Apex Test Code execution should occur:



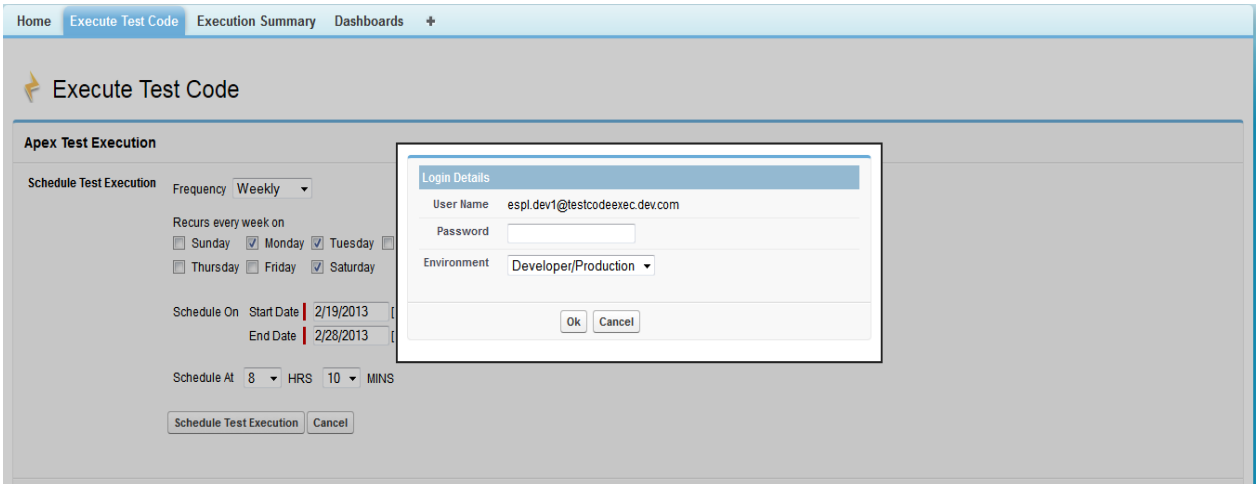
5. Select the day of week, Start Date, End Date and the time at which the execution should start. See the below screen for details:



6. Click on "Schedule Test Execution" button to schedule the test excution at the specified time.

7. After clicking on the "Schedule Test Execution" button, the user will be prompted with a popup which will ask login credentials of the org on which the UltraTest tool is installed.

   Note: The UltraTest app doesn't store the org credentials in any form (cookies, record or any other way).



8. Enter the org credentials and click on the "Ok" button. Your request to schedule the test run at specified time will be scheduled for execution.

3.5 Dashboards

The user can also view the graphical representation of the latest execution result by clicking on the "Dashboards". The "Trend Report" shows the test code execution details of all the executions run till the current time and the "Average Test Code Coverage" and "Class Wise Code Coverage" graphs are shown for the latest execution run as shown below: