

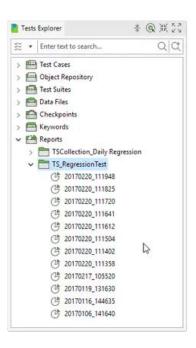
Katalon Studio For Automated Testing

Sesi 6

Results & Reporting

VIEWING TEST SUITE REPORTS

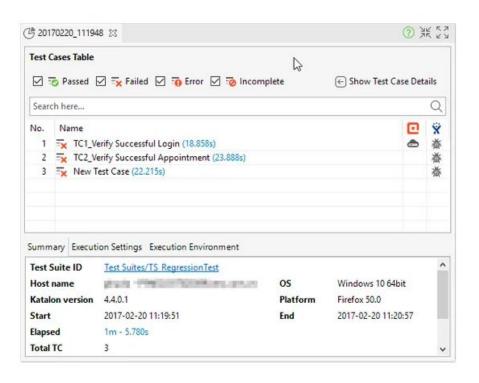
Katalon Studio is designed to ease many challenges that manual testers are facing. In a large project, there may be hundreds or even thousands of test cases and test execution.



The report will be named with following the naming convention: YYYYMMDD_HHmmss, which is the datetime when the test suite starts its execution.

REPORT OVERVIEW

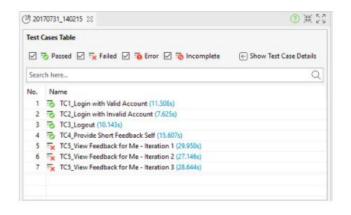
In **Test Explorer** view, double-click on a historical execution of a test suite to view its details:



REPORT OVERVIEW

Component	Description			
Test Cases Table	List of executed test cases			
Summary	Summary information of executed environment			
	Settings for execution which income page loading timeout, etc. For e		a failed test case	
Execution Settings	Name defaultFailureHandling defaultPageLoadTimeout ignorePageLoadTimeoutException report enablePageLoadTimeout testDatainfo timeout WebUI	Value STOP_ON_FAILURE 30.0 false {screenCaptureOption=true} true {) 15.0 {}		
	Syste (os), Katalon Studio version System (os), Katalon Studio Studio Settings Execution Settings (Execution Settings)	on Environment	me, Operating	
Execution Environments	Name hostName os katalon/Version browser hostAddress sessionId selenium/Version	Value Windows 10 64bit 4.4.0.1 Firefox 50.0 192.165.56.1 9021df5c-0099-4ba4-86b6-acf7154d1f1f 2.53.0		
	platform	Windows 10		

TEST CASES LIST



Users can easily determine what information to display by using the filters.

Filter	Description
Passed	Show only iterations which are passed.
=x	
Failed	Show only iterations which are failed.
<u>•</u>	
Error	Show only iterations having errors.
70	Characteristic and the New York
Incomplete	Show only incomplete iterations

TEST SUITE SUMMARY

This section explains the information on the test execution summary report for a test suite, as shown below.

Test Suite ID	Test Suites/TS RegressionTest		
Host name	physic Michigan Company Company	os	Windows 10 64bit
Katalon version	4.4.0.1	Platform	Firefox 50.0
Start	2017-02-20 11:19:51	End	2017-02-20 11:20:57
Elapsed	1m - 5.780s		
Total TC	3		
Passed	0	Failed	3
Error	0	Incomplete	0

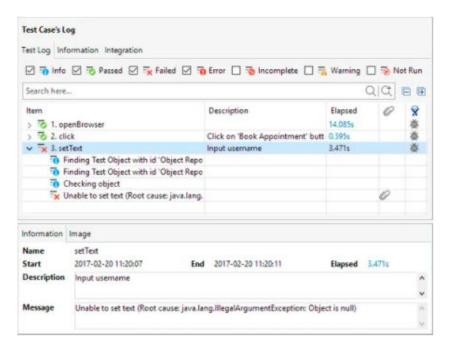
The fields include:

Field	Description
Test Suite ID	The ID of the executed test suite in Katalon Studio. Once clicked, the test suite is opened.
Hostname / OS / Platform	The environment where the test suite is executed
Start / End / Elapse	Execution start/end date time and duration
Total TC	The total number of test cases, grouped into four status groups, Passed, Failed, Error, and Incomplete.

TEST CASE'S LOG

Test Case's Log shows the detail of a test case after execution. Users can view such details in three tabs **Test Log**, **Information**, and **Integration**. Double-click on a test case in **Test Cases Table** to display the **Test Case's Log** window.

Details of the executed steps and their status are displayed in this tab.



TEST CASE'S LOG

Component	Description	
Log Information	Information of the selected iteration in the Test Case's Log section: • Name of the test step (the name of the keyword used in the test step) • Execution Start/End date time and duration • Description of the test step • Any system Message raised when the test step is executed.	
Log Image	The screenshot taken from the application under test, it is captured in either of the following situations: • An error occurs during test execution • The Take Screenshot keyword is used	

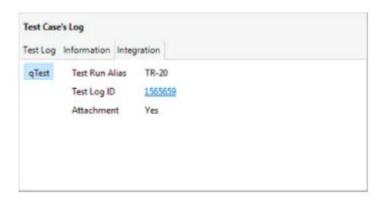
TEST CASE'S LOG

Filter	Description	
Info	Show the messages logged for information/reference.	
Passed	Show the steps which are successfully executed.	
Failed	Show the steps which failed to execute.	
Error	Show the steps having errors.	
Incomplete	Show incomplete steps.	
Warning	Show the steps which have warning status.	
Not Run	Show the skipped steps.	

INFORMATION TAB

Field	Description
Test Case ID The ID of the executed test case in Katalon Studio. Once clicked, the system navigates user test case.	
Start / End / Elapse	Execution start/end date time and duration.
Description	Description of the test case.
Message	Any system message raised when this iteration is executed.

INTEGRATION TAB



Field	Description	
Test Log ID	The ID of the integrated qTest Test Run . Once clicked, the system navigates users to the respective qTest page.	
Test Run Alias	The alias of the integrated qTest Test Run .	
Attachment	Indicate whether all execution logs and reports are placed in a zipped file to be sent to qTest as an attachment.	

TEST RAIL INTEGRATIONS



TestRail Integration plugin establishes the connection between Katalon Studio and TestRail to deliver the following advanced capabilities:

- Map test cases between Katalon Studio and TestRail.
- In TestRail, you can send and view Test Results of both Test Suites and Test Cases executed in Katalon Studio.
- In Katalon Studio, you can query Test Runs of TestRail in Dynamic Test Suite.

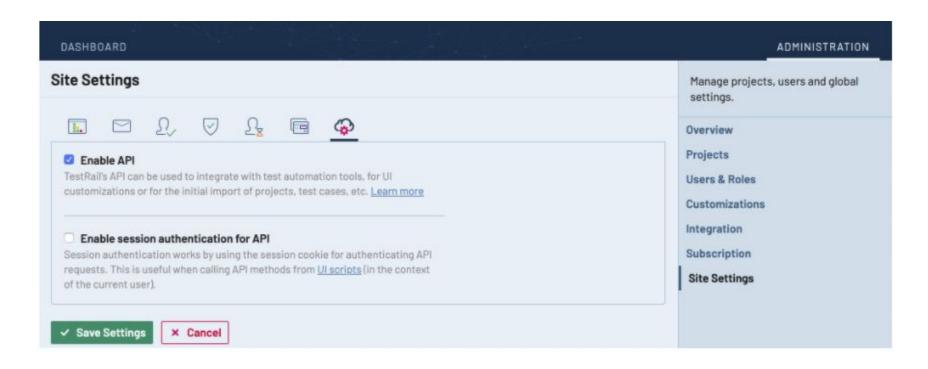
Installation

- 1. Download https://store.katalon.com/product/13/TestRail-Integration
- 2. After installing the plugin, open Katalon Studio -> Click on Reload Plugins

3. Enable the integration of Katalon Studio with TestRails

In TestRail

Log in to your account > Administration > Site Settings > API > Enable API > Save Settings.

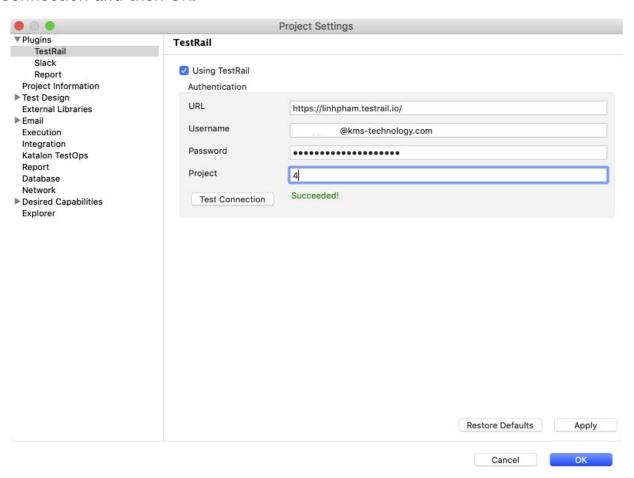


In Katalon Studio

- 1. Enable TestRail Integration plugin in Project Settings:
- After installing and reloading the plugin, open Katalon Studio > from Katalon Studio menu bar > Project > Settings.
- In the Project Settings window > Plugins > TestRail > Check Using TestRail to enable the integration.
- 2. Enter the credentials required for Authentication:
- URL: your TestRail instance https://<example>.testrail.io.
- Username: your TestRail Username.
- Password: your TestRail password.
- Project: Specify the TestRail project's ID (an integer) you'd like to integrate with Katalon Studio.

To view the project ID, open your project in TestRail > view the TestRail Project URL.

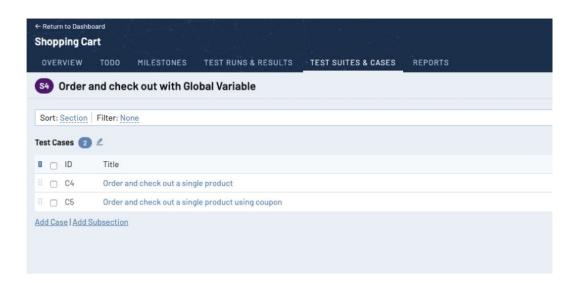
Click Test Connection and then OK.



Man Test Cases between Katalon Studio and TestRail

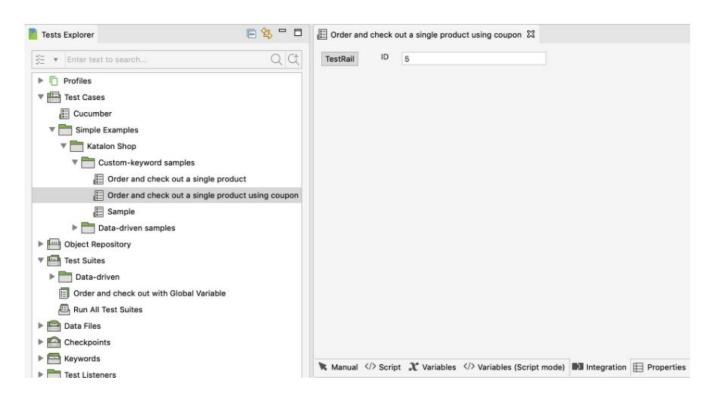
You need to enter the Test Case's ID of TestRail (only the integer) in Katalon Studio's test cases to establish a connection between them. To view the Test Case's ID, open your project in TestRail:

- For projects using one single repository for all test cases: Select Test Case tab > Test Case's ID.
- For projects using multiple test suites for managing test cases: Select Test Suites and Cases tab > click the Test Suite containing your preferred Test Case > Test Case's ID.



In Katalon Studio

Double-click a Test Case to open the test case view > Integrations tab > specify the Test Case's ID of TestRail (only an integer) > Save.



Add Test Results to TestRails

Before executing a Test Suite containing the Katalon Studio test cases mapped with TestRail ones, you can prepend the test suite's name to newly create a new Test Run or update an existing Test Run in TestRail.

Create new test runs in TestRail

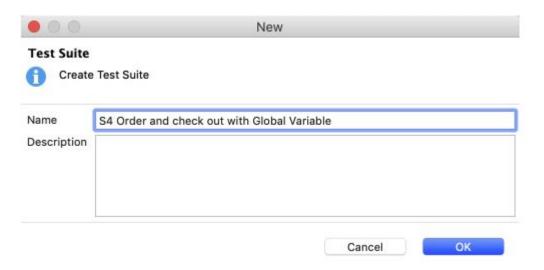
IN TESTRAIL

To generate a new Test Run of a Test Suite in TestRail, you need the test suite's ID. For example, Test Suite no.4 of Project no.4 we have specified in the configuration.

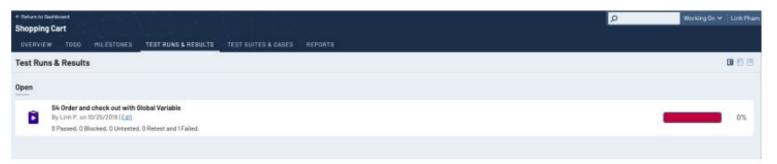
← Return to Dashboard Shopping Cart							
OVERVIEW	TODO	MILESTONES	TEST RUNS & RESULTS	TEST SUITES & CASES	REPORTS		
S4 Order a	and che	ck out with Glo	obal Variable				
Sort: Section	Sort: Section Filter: None						
Test Cases 2	2						
■ □ ID	Title						
∷ □ C4	Order a	nd check out a sing	le product				
∷ □ C5	Order a	nd check out a sing	le product using coupon				
Add Case Add S	Subsection						

IN KATALON STUDIO

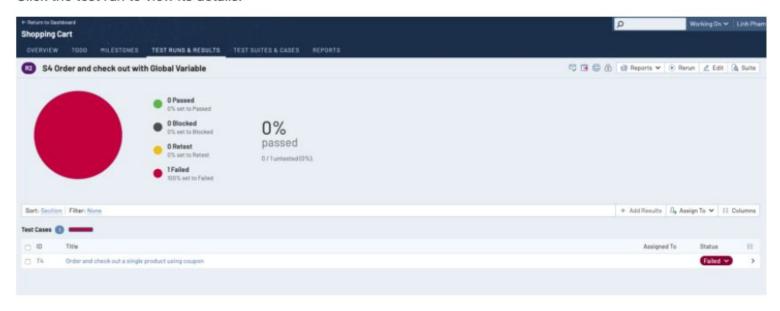
- 1. Create a new Test Suite or a Dynamic Test Suite.
- 2. Prepend the Test Suite's name with S<ID> where <ID> is the ID of that test suite in TestRail.



3. Execute the Test Suite. A new Test Run (e.g. R2) will be created in the respective Test Suite.



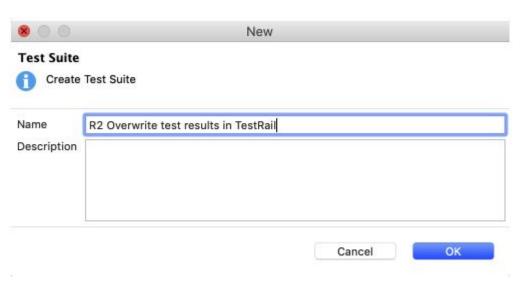
Click the test run to view its details:



Overwrite Test Runs in TestRail

IN KATALON STUDIO

- 1. Create a new Test Suite or a Dynamic Test Suite.
- 2. Prepend its name with R<ID> where <ID> is the ID of that test run in TestRail. (e.g., R2 was newly created after execution in Katalon Studio)

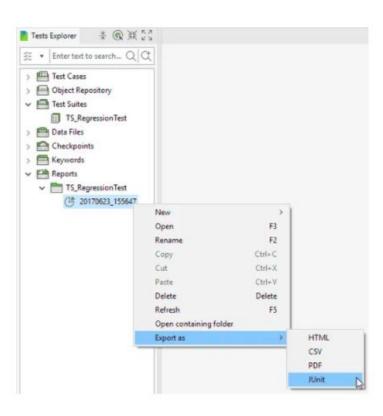


To view the Test Run's ID, open Dashboard in TestRail > Select Test Runs under your preferred project > select a test suite > you can view the test run's ID on the top left corner.

Execute the test suite. In the example, the R2 Test Run is updated with new test



EXPORT TO OTHER FORMATS



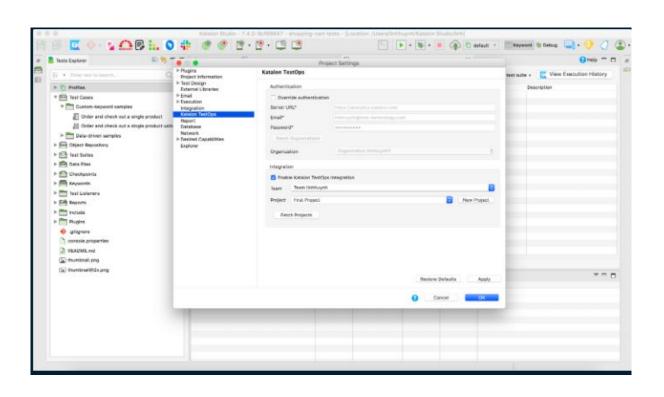
Upload Katalon Studio Test Results to Katalon TestOps automatically

To configure the Katalon TestOps Integration, right after activating:

- Select a team in the configured organization that you have permission to access.
- Select a project under that team you'd like to work on or create your own one if you have permission.

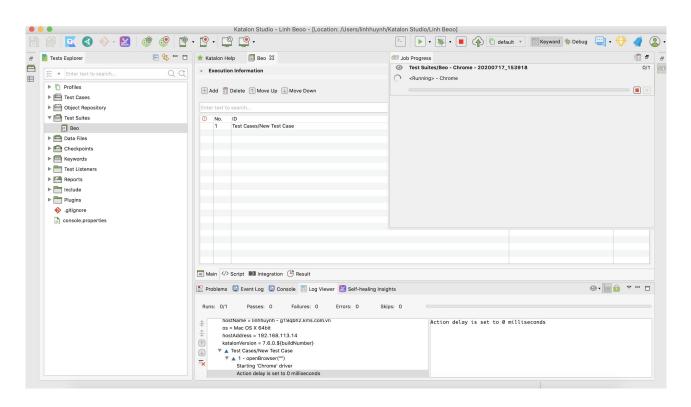
Settings

In Katalon Studio, go to Project > Settings > Katalon TestOps.

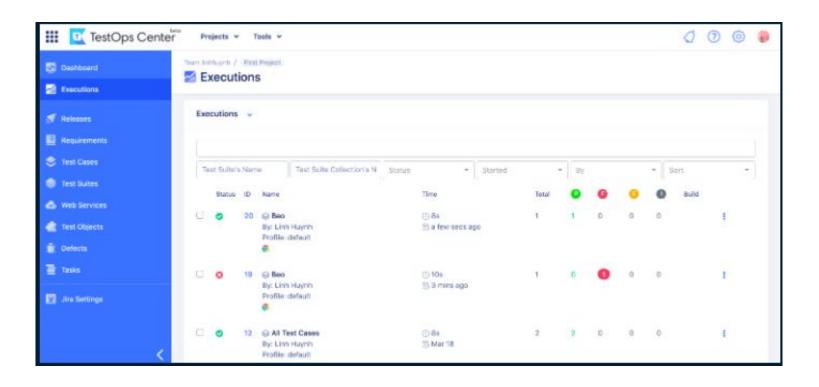


Automatically upload test results

After configuring TestOps settings in Katalon Studio, starting running a test suite.



Your test results will be automatically uploaded to TestOps Center.



KATALON ANALYTICS



Katalon Analytics is an intelligent analytics platform with visual and filtering tools to give you a better understanding of your test executions of multiple projects in real time.





KATALON ANALYTICS

How Katalon Analytics helps your Test Automation Process?







Test Case:	My Care UAT > #20 > Test Cases > I	Main Test Cases > TC1_V	erify Successful Login
Result			
Status	PASSED	Age	2
Platform	Windows 10 (Windows 10 64bit)	Flakiness (%)	50.00
	Firefox (56.0)	Same Failures	None
Test Suite	First Sprint Regression	Attachments	stdout.txt
Started	10/21/2017 21:57:54		
Duration	17s		
View all execution	ns of this Test Case		
Console Log			
2017-10-21 16:27 2017-10-21 16:27 2017-10-21 16:27	7:54 - [TEST_CASE][START] - Test Cases/Main Test Cases/TC 7:55 - [TEST_STEP][START] - comment 7:55 - [MESSAGE][INFO] - Story: Login to CURA system 7:55 - [TEST_STEP][END] - Story: Login to CURA system 7:55 - [TEST_STEP][START] - comment	L_Werify Successful togin	





Benefits of Katalon Analytics:

- Katalon Analytics is free to use with intuitive charts & reports to interactively navigate through vast amounts of log data
- Eliminates the need for manually generating reports, reducing the possibility of data
- Using Katalon Analytics pre-built aggregations and filters, you can easily run a variety of analytics
- Updating and Collaborating test results in Real Time
- Easy Distribution, Dashboards can easily share dashboards and reports with anyone in the team
- Calculated execution time of each test cases
- Time Series Analytics, Total execution history of the test case and many more features
- Log Analytics can easily gain valuable insights about the tests executed provided with screenshots and videos

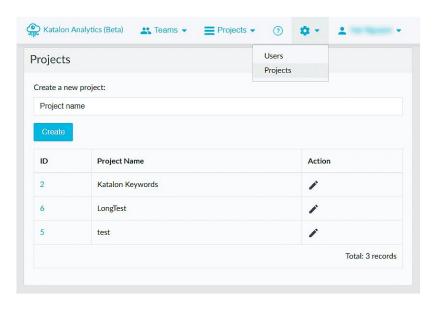


KATALON ANALYTICS

Upload Your First Execution Reports From Katalon Studio

- 1. Navigate to the Katalon Analytics portal and log in using the same account used with Katalon Studio.
- 2. Once logged in, the main dashboard of Katalon Analytics will be displayed.

Create a new Project before uploading any Katalon Studio test execution reports. Click on the **Settings icon > Projects**. Provide a name under **Create a new project:** and click **Create**. A new project will be created with a unique ID.





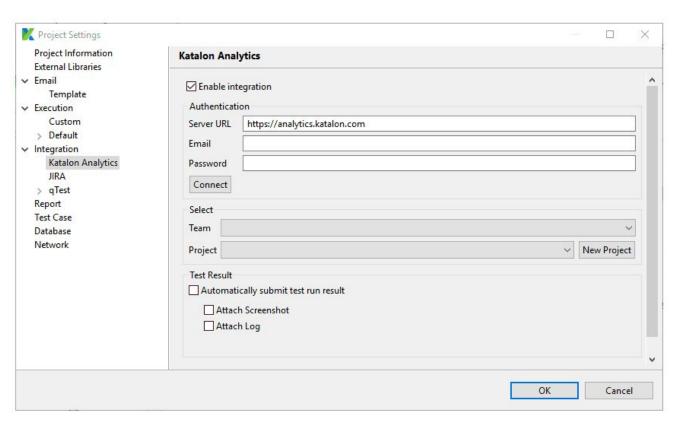


Upload Your First Execution Reports From Katalon Studio

- 3. Next, enable Katalon Analytics integration to upload execution reports. In Katalon Studio, select **Project** > **Settings** > **Integration** > **Katalon Analytics**.
- 4. Check the **Enable integration** box. The configuration setting will be enabled for editing. Enter the required information and click **Connect**.
- **Server URL**: https://analytics.katalon.com
- Email: Katalon Studio email
- Password: Katalon Studio password









KATALON ANALYTICS

After connecting successfully to Katalon Analytics, all relevant teams and projects will be retrieved from Katalon Analytics and displayed. Select a preferred team and project from the drop-down menu. You can also create a new project by clicking on **New Project**.

Enable int	egration	
Authenticati	on	
Server URL	https://analytics.katalon.com	
Email	test@kms-technology.com	
Passw	Create New Project X	
Coni	The state of the s	
New Select	project TestTest	





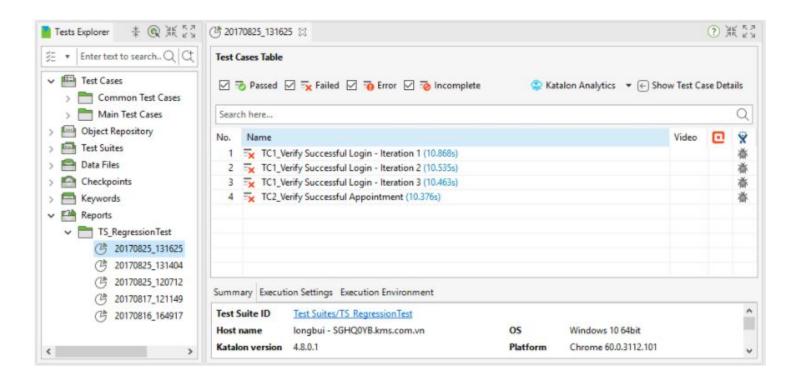
Next, select the options to automatically or manually upload execution reports to Katalon Analytics by checking/unchecking **Automatically submit test run result**. If checked, Katalon Studio will automatically upload execution reports to Katalon Analytics in the future. You can also select preferred attachment types (screenshots or logs) for automatically submitting reports.

Test Result
Automatically submit test run result
✓ Attach Screenshot
Attach Log





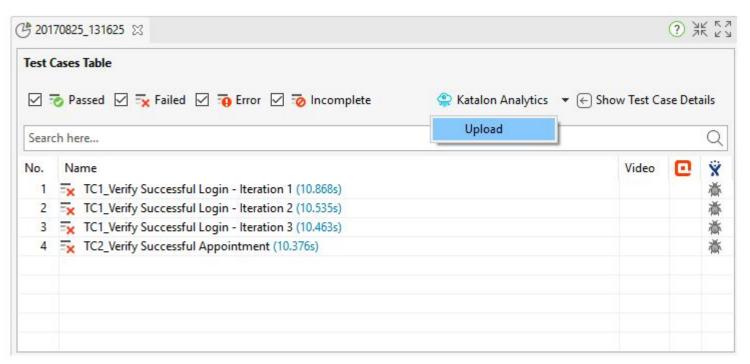
- 5 Click **OK** when done.
- 6. Navigate to **Reports** in **Test Explorer**. Click on any preferred report to view details and upload.



Katalon Analytics

KATALON ANALYTICS

Click on Katalon Analytics located at the upper right corner. Select Upload.



Once finished, switch to Katalon Analytics to view the uploaded report. Select the Team and Project that are integrated with Katalon Studio.