

Sauce Labs Mobile Integration



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1. Introduction

This document shows you the step by step guide on how to setup and configure Sauce Labs with TestingWhiz tool

2. Sauce Labs Configuration with TestingWhiz

2.1. Pre-requisites

Users should have Sauce Labs credential.

2.2. Configuration Steps to add Sauce Labs credential in TestingWhiz tool

1. Go to TestingWhiz Settings --> Configuration---> Cloud Execution and Click on Sauce Labs

Configuration					
General	Sauce Labs				
General > Execution > Add-ons < Cloud Execution > BrowserStack > Sauce Labs > Mobile Testing Report Recording Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Repository > Bug Tracking Tool > Test Management Tool > Version Control > Install/Update	Sauce Labs	User Name User N	Key	API Key	Add Edit Remove
				Test Connection	Apply
				ОК	Cancel



Click on Add button, to add the Sauce Labs instance, user needs to define the following details in the TestingWhiz Application

I Add			_		\times
Profile *					
User Name *					
Key *					
API Key					
Password *					
Valid	ate	ОК		Cancel	I

- > **Profile**: To define profile name as per user requirement.
- **Username**: To define the username, user has to provide Username from Sauce Labs credentials
- Key: To define the Key value, User has to fetch the Key from Sauce Labs webapp.
- API Key: Define API Key to execute the Script on Mobile Real Device browser (Steps to get API key are explained in section 2.2.1)

NOTE:

- API key is only mandatory when user wants to execute the script on Mobile Real Device browser, otherwise keep the API Key field blank.
- User must provide the latest API Key (Steps to get API key are explained in section 2.2.1) in Real Device profile configuration before executing script on Mobile Real Device browser.
- **Password:** To define the password, user has to provide password from Sauce Labs credentials
- **Validate**: To check whether the credential are valid, user needs to click on Validate button.
- **OK:** To add the profile click on OK button.
- Cancel: To dismiss the dialog box, user needs to click on Cancel button.



2.2.1 Configuration Steps to get API key from Sauce Labs account

- > To define API Key, User has to perform following steps on web app
 - Open URL https://Sauce_Labs.com/ and provide the Sauce Labs credentials.
 - Go to Dashboard and click on Access Real Devices Automation.

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G	Click on Access Real Device Automation	Real Devices Automation	🔀 Help 🗸 🔘 Bhavna Shevka	ani ❤ ♦ US West 1 ❤
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	Organ	izing by builds is a si	пар	
	Simply provide the build	key with the value of your buil	d's unique identifier.	
		"build": "build-1234"		

• New Tab will get open, Inside Active click on Project.

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Search apps			Q		
Click on the Project (In user case the project)					
TestingWhiz (different)					
					*



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	TestingWhiz		Click on Appium
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		Appium	
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	No current act	ivity	 Control
	Recent Activity		URL: http://www.google.com
	Appium Test #153 cipl1-sf12334!@#\$%^&*() has finishe Finished about 20 hours ago	ed. "O	Your version name: 1 Added: 21 days ago
	Appium Test #152 testRD-Copy_38_of_Copy_1_of_A Finished about 23 hours ago	mazon kindle has finished.	All Versions Add New URL

• Inside Project Dashboard, Go to Automated Testing and click on **Appium**.

Inside Appium Test Suites click on Switching to the Real Device Cloud

🚳 Sauce Labs Dashboard 🗙 🚳 Appium Test Suites Sauce Labs 🗙 🕂			-	٥	×
← → C (a app.testobject.com/#/cipl1/testingwhiz/appium/suites	☆	0	0 🔮	2 🕀	:
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TEST RESULTS TEST SUITES					
Appium Test Suites + New Suite	Setu	up Instruc	ctions		
♀ Appium Tests			×		
Appium allows you to execute local tests on remote devices . You can test native , web and hybrid apps. If you already have Appium tests running on your local machine switching to the Real Device Cloud is easy. After uploading your APK or IPA just copy a list of capabilities and use the Real Device Cloud Appium URL as the endpoint for the endpoint.]				
Please refer to our documentation for details on mobile application testing and web application testing.					
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• In Appium - Basic Setup click on Advanced Setup

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← → C 🔒 app.testobject.com/#/cipl1/testingwhiz/appium/basic/instructions	☆	0	0 🥸	H	:
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Appium — Basic Setup Run your local Appium tests on Real Device Cloud. Simply add the UBL and capabilities to your exisiting tests. That's all. Need more control? Conveniently organize your test results using the advanced setup Please refer to our documentation for a detailed introduction and some RDC Appium examples.					
АРІ Кеу					
For authentication add the following capability to your Appium test:					
testobject_api_key : '3B79BCF3AE0F4E9EBEAEE4F12DFDA057'	Re	egenerate			
DEVICES O Static	Vir	ew Device	es		
Devices in Europe					Ŧ

• In Appium - Advanced Setup, Use this API Key in TestingWhiz Sauce Labs Real Device profile configuration

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\leftarrow \rightarrow C (a) app.testobject.com/#/cipl1/testingwhiz/appium/suites/instructions	☆ ⊘ 𝔍 ♀ 😢 😕 :
SAUCELABS > (♣) > [♣]	a? 🕇 🧐 > Î
Conveniently organize your Appium test results in suites with this advanced setup. Where with the basic setup you get separate reports for each test case, here you will receive a combined report . Please refer to our documentation for a detailed introduction and some RDC Appium examples. Use this API key in Testing/Whiz profile configuration With the following API key you will be authenticated when running your tests on the Real Device Cloud: BB79BCF3AE0F4E9EBEAEE4F12DFDA057	To regenerate the new API Key, Click on Regenerate button Regenerate
Appium URL Set the remote address of your Appium driver using the Suites Setup: resultWatcher.getTestObjectOrLocalAppiumEndpointURL()	
Appium Version	



2.3. Configuration Steps to create an Emulator/Real Device Browser Profile in TestingWhiz.

General									
> Execution -	Configuration	I							
> Add-ons	Drefile	Alias	05	Provinces/Diatfo	DeviceTune	Device Name	Provincer Versie	Percelution (Ori	Add
✓ Cloud Execution	Profile	Allds	03	browser/Platio	DeviceType	Device Marrie	browser versio	Resolution/ On	Add
> BrowserStack									Edit
✓ Sauce Labs									
Configuration									Remove
> Mobile Testing									Duplicate
Report									Dupircate
Recording									
Data Validation Rules									
Screen									
Mail									
Database									
FTP									
TestingWhiz Grid									
Report Repository									
> Bug Tracking Tool									-
> Test Management Tool									
> Version Control									-
> Install/Update									-
									Apply
								ОК	Cancel

• Open Sauce Labs Configuration

• Click on Add button and define the required details to create a new Emulator/Real Device browser profile.

I Add			_		Х
Profile *	SL_Cygnet	~			
Alias *			 		
OS *	Linux	~			
Browser/ * Platform Name	android	~			
DeviceType		~			
Device Name		~			
Browser Version/ * Platform Version	9.0	~			
Resolution/ Orientation	Portrait	~			
	ОК]	Cano	:el	



Profile: To define a profile, user has to select the profile from drop down.

Profile *	SL_Cygnet 🗸 🗸
	SL_Cygnet
Alian *	SL_RD_Cygnet

Alias: To define an alternative name as per user requirement.

OS: To define OS, user must select the OS from dropdown

OS *	Linux ~	
	Linux	
	Mac 10.10	
Browser/	Mac 10.11	
Platform Name	Mac 10.12	
	Mac 10.13	
DeviceType	Mac 10.14	
	Windows 10	
	Windows 2008	
Destan Name	Windows 2012	
Device Name	Windows 2012 R2	

NOTE: Select Linux option from the OS field drop down to set Android Device configuration.

(Real Device/Emulator support is not available in MAC 10.10 & MAC 10.11)

Browser/Platform Name: Select the browser Name or Platform name from the drop down, the Browser Name or Platform Name details will be listed according to the selection of OS.

Browser/	android \sim
Platform Name	android
DeviceType	chrome firefox

Device Type: To define type of device user has to select the device from the Device Type drop down, the Device Type details will be listed according to the selection of Browser Name or Platform Name.

DeviceType	Emulator 🗸 🗸
	Emulator
	Real Device

NOTE: The Real Device will only be working when user specify the API Key inside Sauce Labs profile configuration.



Device Name:

• To define the Emulator Device Name user has to select the device from the Device Name drop down field, the Device Name details will be listed according to selection of Device Type.

Device Name	Android Emulator	
	Android Emulator	
	Google Pixel 3 GoogleAPI Emulator	
Browser Version/ 🖌	Google Pixel 3 XL GoogleAPI Emulator	
Platform Version	Google Pixel C GoogleAPI Emulator	
	Google Pixel GoogleAPI Emulator	
Resolution/	Samsung Galaxy S6 GoogleAPI Emulator	
Orientation	Samsung Galaxy S7 Edge FHD GoogleAPI Emulator	
	Samsung Galaxy S7 Edge GoogleAPI Emulator	
	Samsung Galaxy S7 Edge HD GoogleAPI Emulator	
	Samsung Galaxy S7 Edge WQHD GoogleAPI Emulator	
	Samsung Galaxy S7 FHD GoogleAPI Emulator	
	Samsung Galaxy S7 GoogleAPI Emulator	
	Samsung Galaxy S7 HD GoogleAPI Emulator	
	Samsung Galaxy S7 WQHD GoogleAPI Emulator	
	Samsung Galaxy S8 FHD GoogleAPI Emulator	
	Samsung Galaxy S8 GoogleAPI Emulator	Υ.

• To define the Real Device Name user must select the device from the Device Name drop down field, the Device Name details will be listed according to selection of Device Type.

Device Name	Amazon Kindle Fire HD $ \sim $			
	Amazon Kindle Fire HD 10 🛛 🗸 🗸			
	Amazon Kindle Fire HD 8			
Browser Version/ 🖌	Asus Google Nexus 7 (2013)			
Platform Version	Essential PH-1			
	Google Pixel			
Resolution/	Google Pixel 2			
Orientation	Google Pixel 2 XL			
	Google Pixel 2 XL Beta			
	Google Pixel 3			
	Google Pixel 3 XL			
	Google Pixel 3a	-		
	Google Pixel 3a XL			
	Google Pixel 4			
	Google Pixel 4 XL			
	Google Pixel C			
	Google Pixel XL	~		

Browser Version/ Platform Version: To define the Browser Version/ Platform Version user must select the browser/ platform from the drop down. The Browser Version/ Platform Version will be listed according to selection of Device Name.



Browser Version/ *	5.1 ~
Platform Version	5.1
	6.0
Resolution/	8.0
Orientation	

Resolution/Orientation: To define the Resolution/ Orientation user must select the resolution/browser from the drop down. The Resolution/ Orientation Version will be listed according To selection of Browser Version/ Platform Version.

Resolution/ Orientation	Portrait 🗸 🗸
onentation	Portrait
	Landscape

- > After defining the above details click on OK and Apply button.
- > The newly created browser detail will be listed

 Configuration General Execution 	Configuration	n						_		×
 > Add-ons > Cloud Execution > BrowserStack > Sauce Labs Configuration > Mobile Testing Report Recording Data Validation Rules Screen Mail Database FTP TestingWhiz Grid Report Repository > Bug Tracking Tool > Test Management Tool > Version Control > Install/Update 	Profile cipl1	Alias Ama	OS Linux	Browser/Platfo android	DeviceType Real Device	Device Name Amazon Kindl	Browser Versio 5.1.1	Resolution/Ori Portrait	Ac Ed Dupl	ld lit icate
									Apply	
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3. Script Execution

• Open the script, Go to Execute > Sauce Labs > Select Device

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lestingwhiz Enterprise - C:\User	s\nmk	nan\.wniz\temp\basic_	eiem	ent.twi	X		
<u>File</u> Edit Settings Scheduler	Suppo	ort <u>V</u> iew <u>H</u> elp					
		·• [] []					a
😢 Test Project 🔳 Data Table	0	Google Chrome			4	🋓 Test E	ditor 📕 Test Data
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V Test Project		Edge				1	Open Page
	-	Luge				2	Verify
V lest Suite		Android				3	Set
🕸 Basic Element						4	Set
		iOS				5	Set
	۲	BrowserStack	>			6	Click And Wait
						-	and a state of
	S	Saucelab	>	S	LF	RD_Cygn	et(test)
		Headless Execution	>			9	Check
						10	Click
						11	Write Message To

• To check the execution details, user can follow up with the TestingWhiz Console Log & Report or In Sauce Labs execution history.