



Selenium Training

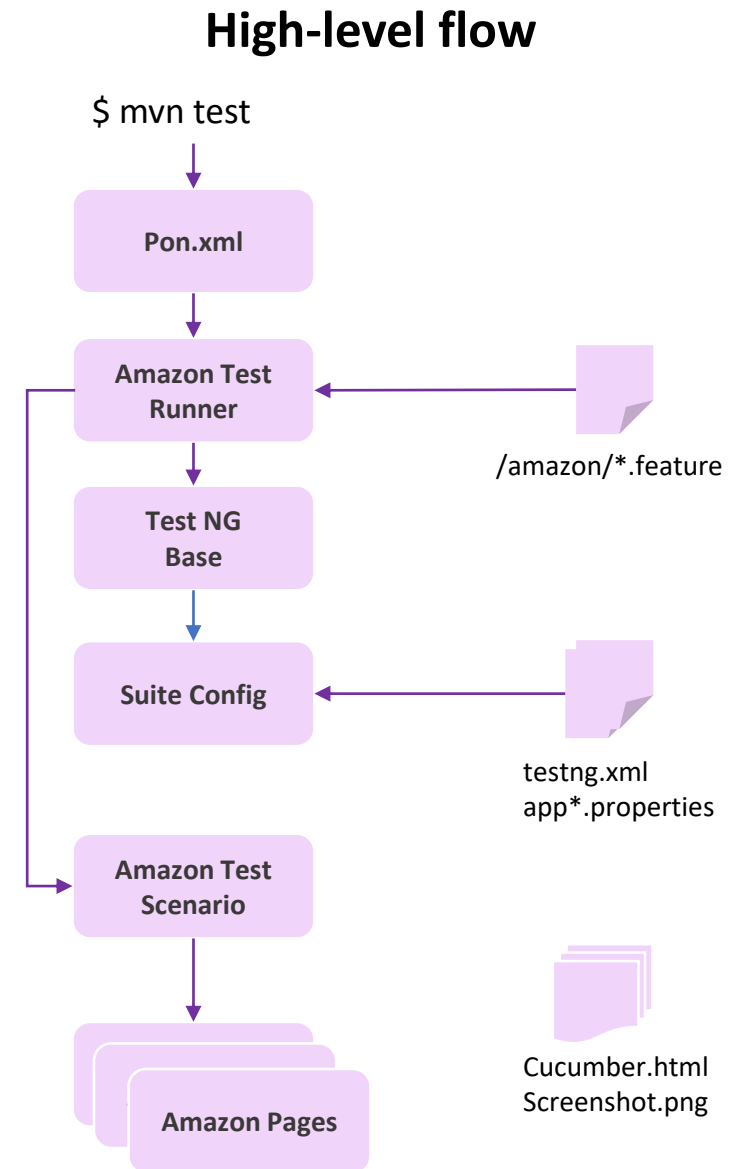
Final Project (Project III)

By

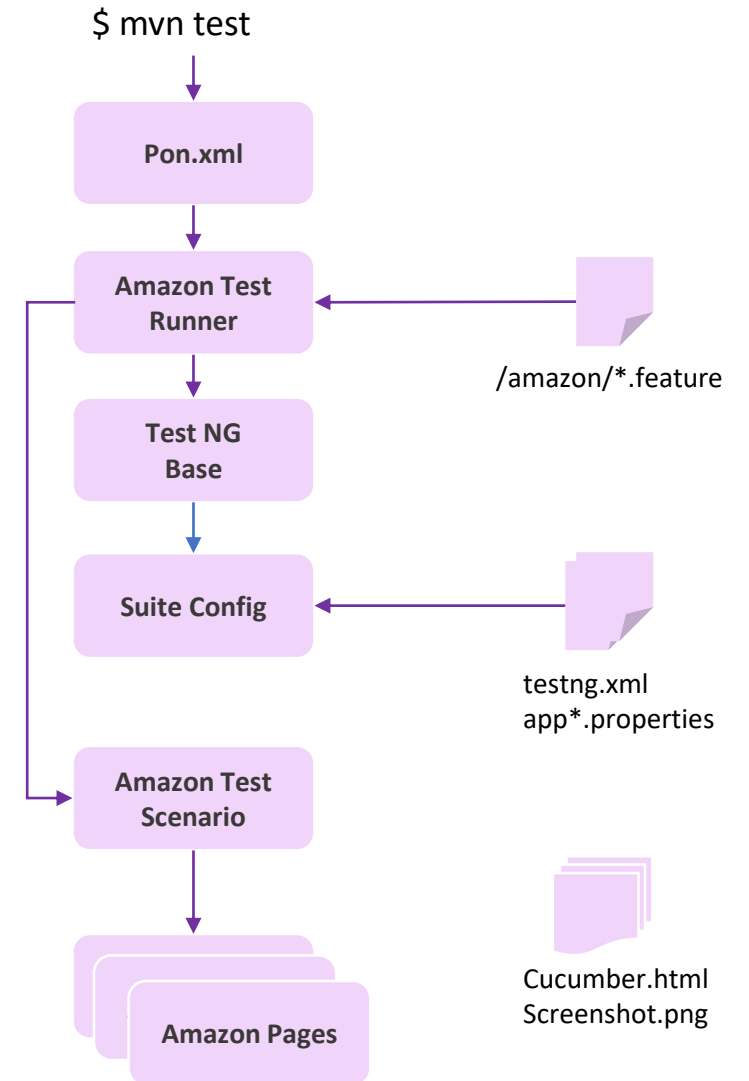
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(Maven, TestNG Cucumber Project)



High-level flow



Requirement Traceability

S.No	Requirement (Unpurified)	Response
1	Using hybrid framework (properties, xml, yaml)	testng.xml, application.properties
2	Create a Cucumber project using Maven	Using TestNgCucumber Project
3	Create three packages	all three packages created
4	TestNg & Cucumber dependencies	Added in Pom.xml
5	Create a new properties file —for instance, config.properties	Browser & Site Url is set in testng.xml and feature file
6	Util Classes	Two utils classes exists (at framework and project)
7	BaseTest	Created
8	AfterSuite	TearDown method used
9	POM	Page Objects used
10	3 Test Classes	Four scenarios are handled in Feature File
	Additional Features	
12	Using Grid (to run tests on multiple systems)	
13	Ability to run on multiple browsers	IE (on windows) + Chrome (Windows & Linux) + Firefox (Windows & Linux)
	Limitations	
15	Parallel Execution	While parallel execution is possible. It fails because the remote driver is static when Suite initializes. This require redesign.

How to Checkout and Run the project?

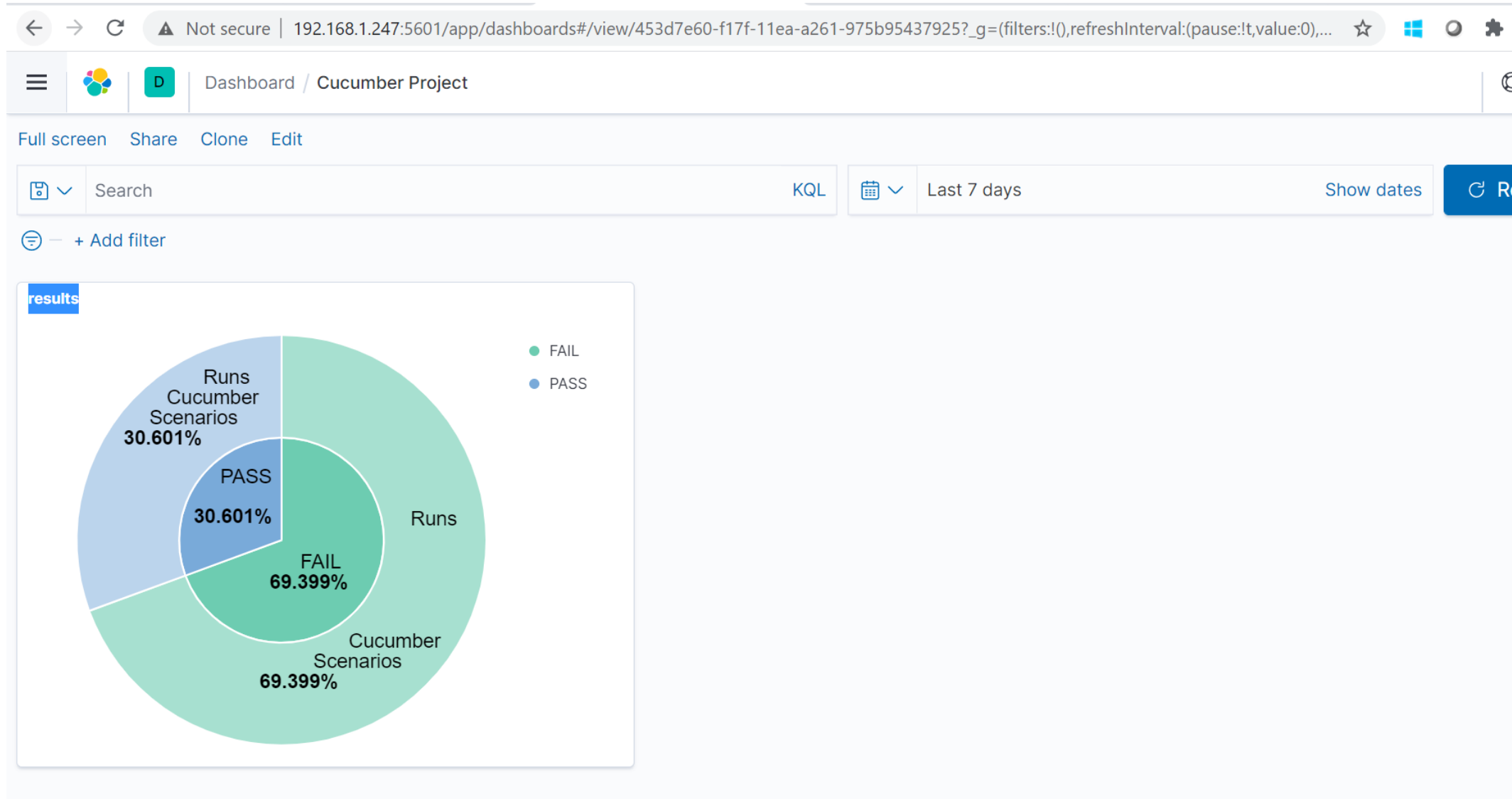
- This is an eclipse project
- Check out code for <https://github.com/rmuruge/selenium-cucumber-framework>
- Install selenium-server-standalone-3.141.59.jar
- Java -jar selenium-server-standalone-3.141.59.jar -port 4444 -role hub
- Java -role node -hub http://<hub ip>:4444/grid/register -port 5566

- Install elastic search and Kibana.
- Configure elastic.url property in pom.xml
- Change directory to where pom.xml is
- \$ mvn test

Options:


- Use testng.xml to configure test to run in chrome and/or firefox and/or ie
- Use note as remote to execute test on remote machines
 - I used Ubuntu for development and have create windows vm and ubuntu vm for remote execution.

Kibana (Screenshot) – This is just a sample reporting. Currently required data is not published to elastic



Selenium Grid – Console (Screenshot)











← → ↻ ⚠ Not secure | 192.168.1.247:4444/grid/console

**Grid Console v.3.141.59**

DefaultRemoteProxy (version : 3.141.59)
id : http://192.168.1.247:5566, OS : LINUX

Browsers











Configuration

WebDriver
v:     
v:     

DefaultRemoteProxy (version : 3.141.59)
id : http://192.168.1.25:5566, OS : mixed OS

Browsers

Configuration

WebDriver
v:     
v:     

[View Config](#)