

Cucumber-JVM - Appium Test Automation Framework

1 Configure Jenkins Node

Summary

Capabilities of the Test Execution Machines

2 Setup Jenkins Jobs

Jenkins file

Run on node based on NODE_NAME naming convention

Check-out code

Run Tests - gradle command

Publish cucumber-jvm reports

Summary

To trigger the Test runs

3 Setup Jenkins Agent

Setup Jenkins Agent on Machine where tests will run

Naming-convention

CONNECTED_DEVICE_IDS

The machine may have many devices connected to it.

This property tells the Test job (and eventually to build.gradle file) which devices to choose to run the tests on

This prevents conflict / different Test jobs from using the same device

Summary

1-time setup

Connect Jenkins Agent to Jenkins Server

NODE_NAME

SECRET

Now you are ready to run the tests

4 Manage Test infrastructure & Test Execution

build.gradle

Find matching devices

Download APK - based on APP_URL

Identify cucumber-jvm Scenarios to be executed

For each available Device

In a new Thread

Clean device

Start Appium Server

For each scenario yet to be run

Run specific cucumber-jvm scenario

Stop the started Appium Server for each device

5 Run Tests

@Before Hook

Read all Environment variables

Read appium.properties file

Start Android Driver

@After Hook

Stop Android Driver