

DevOps In Test Task

1. [Dockerize](#) any python test project (it can include 3-5 basic test scripts)
 - a. Use DockerFile and docker-compose
2. Configure dockerize [selenium grid](#).
 - a. Pull selenium/hub and selenium/node-chrome images
 - b. Set up infrastructure using docker-compose
 - c. Configure project DockerFile, ports, etc.
3. Write script (python preferable) to run docker containers and tests with node count parameters.
 - a. You can use any scripting language and format.
 - b. Make sure your script checks grid health before trying to run tests.
4. Get a [free AWS account](#) and run t2.micro(free) Linux instance on [EC-2](#).
5. Install and configure [Jenkins](#) on Amazon EC2 Instance
 - a. Make sure you installed jdk 1.8 and port 8080 is available
6. Create a Jenkins Pipeline and JenkinsFile to run your script.
 - a. Set the pipeline name and description from JenkinsFile.
 - b. Set the build name to the given string name parameter at the end.
Example: Build_Name_1, Build_Name_2 etc.
 - c. Set node_count parameter (min=1, max=5) to pass to your script
7. Add a new stage to Pipeline to send test results to [webhook.site](#) url.

As a result we are expecting to see

1. VCS link to see your docker and script files
2. Jenkins URL to check and trigger your job
3. Webhook.site URL to see test results