GUIDE TO HELP HOW TO USE JENKINS WITH PHP UNITE AND GITHUP

1. https://www.sitepoint.com/re-introducing-jenkins-automated-testing-with-pipelines/

2.

3. Follow the toturial and install jenkins on your server

4. After installing configure which port to listen if 8080 is used by any other client. Use the following command to change to port

5.

6. java -jar jenkins.war –httpPort=8081

7. After installation http://localhost:yorport or 8080 default if you did not changed.

8. I will guide you throught the cgi installation and ask you for the password in var/log/jenkins.log you can find password there. On line 63 enter the password.

9. After installation click on create new jobs click on create new items http://localhost:8081/view/all/newJob.

10. Create Freestyle project.

11. After submitting project on Source Code Source Code Management table in Git radio button fillout all the git repository information then save it.

12. Check Build Trigger(Build after other projects are build). Select your items from the list while typing its should show your items there

13. In Build section select Execute Cell and enter your command you would like to execute such as phpunit --log-juni retports/phpunit.xml remember

http://localhost:8081/pluginManager/ plugine name JUnit Plugin must be installed.

14. After that Post-build Actions section select Publish jnite test result report. Set the same file name as retports/phpunit.xml you have provided above and file must be avilable. Create this file and folder to you project root for example http://localhost and then push to the git and then it will again fetch your repo to var/lib/jenkins/jobs/{{Your rapo name }} see if ever things is ok.

15. Remember you can have phpunit.xml as given below

<phpunit bootstrap="unittest/vendor/autoload.php"> => Important to remember

<testsuites>

<testsuite name="money">

<file>unittest/CalculatorTest.php</file>

</testsuite>

</testsuites>

</phpunit>

and when you run simply phpunite and if phpunit find the page then it will simply

execute the phpunit.xml file. Same as we have phpunit --log-juni retports/phpunit.xml command in jenkins and jenkins will execute this command from /var/lib/jenkins/workspace/{{rapo}} from there and will try to find if there is phpunit.xml file and all is good as above then will test your code and if there is any error it will not be able to build and will show error

Really important to remember

After creating the git repository click on build it then it will start to build it. After success it will fetch the all files to http://localhost:8081/job/sindhbad/ws/ this is cgi location where your git repository stored.

From the /var/lib/jenkins/workspace/sindhbad Here where your repository is saved

and while executing any command from the jenkins command will run from here as you can see in the pdf file image how it is configured.

Check php unite report file if you wish.

I have updated something in March 10 2018

I really enjoied while developing this

<https://devops4solutions.com/ci-cd-jenkins-php/>

Follow this articlels for CI/CD development method

While installing jenkins on centos I get some error which I was unable to start jenkins due to file permission I set the the folder owner of jenkins

<https://forum.manjaro.org/t/jenkins-cant-install-shows-permission-denied/41192>

<https://support.cloudbees.com/hc/en-us/articles/215281717-Jenkins-fails-to-start-with-JNA-error>

chown -R jenkins /var/lib/jenkins

1. Some important things

* Generate SSH Key Gen in ubuntu or centos which required to upload the files and folder after genkins sucessfully built things
* Step 3. Go to Manage Jenkins → Configure System → Publish over SSH
* See third phase image
* See fifth phase