Trouble Shooting: Run our First Jenkins Build and Jenkins Workspace

In case you run into the following error when build your first Jenkins job

FATAL: Couldn't find any executable in /Users/xxxxx/Documents/apache-maven-3.3.9  
Build step 'Invoke top-level Maven targets' marked build as failure  
Finished: FAILURE

it means jenkins  user doesn't have permissions to access your maven directory. (Jenkins by default will run all builds under a special user name called jenkins )

Solution:

To fix it, we need to ensure that jenkins user has read and executable permission on /\*\*/\*\*apache-maven-\*\*  folder.

For Mac/Linux User:

If Maven is installed on /Users/james/Documents/apache-maven-3.3.9

Step1 : under your regular user ID, run the following command:

chmod 0755 /Users/james/Documents

to ensure that jenkins user can access/Users/james/Documents

Step 2:  run the following command:

chmod -R 0755 /Users/james/Documents/apache-maven-3.3.9

to ensure jenkins can access to all the files under /Users/Hossein/Documents/apache-maven-3.3.9

Step 3: verify jenkins user can run the maven mvn command:

switch under jenkins  user by running sudo -iu jenkins

then run /Users/james/Documents/apache-maven-3.3.9/bin/mvn -v to verify you can execute mvn  under jenkins  user

For Windows User:

If you are using Windows, the trouble shooting steps should be very similar to Mac/Linux, you can change the permission by right clicking the folder name.

https://technet.microsoft.com/en-us/library/cc754344(v=ws.11).aspx

Related Q&A:

https://www.udemy.com/the-complete-jenkins-course-for-developers-and-devops/learn/v4/questions/1928052

https://www.udemy.com/the-complete-jenkins-course-for-developers-and-devops/learn/v4/questions/2101440