GitHub to Jenkins Integration

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Login to Jenkins console

Manage Jenkins ---> Global tool configuration ----> git ---> path to execute

<Need to provide the git path>

which git <to know the git path in linux/ubuntu>

where git <to know the path of git in windows cmd prompt or powershell>

c:\program files\git\bin\git.exe

Jenkins ---> Enter the item name <provife any name> -----> select true style project ----> source code management ----> git repository URL < get the URL from github repo--->code---> copy the url> ----> credentials ---> Add jenkins < provide jenkins username and password> ---> Branches to build <give the branch name where the code file is present in the GitHub repository>

Eg: \*/main

click on build now <to start build>

click on console output <to see the status/progress/result>

E-mail notofication from Jenkins

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Jenkins ---> manage jenkins ---> configure system ---> E-mail notification ---> SMTP server <provide 'smtp.gmail.com'> ---> <select checkbox for 'use smtp authentication'> ---> provide our gmail userid and password ----> SMTP port <port number for gmail is 465> ---> select checkbox for test congiguration by sending test email ---> test email recipient <provide our gmail id again> ----> click on test configuration

Now, we can receive a new message in gmail inbox

or

E-mail alert/notification

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Login to your Gmail ----> manage ---> security ----> In search bar ‘app password’ ---> enter gmail password ---> select app --- > select other ---> give any name ---> click on generate---> copy the shown password.

Note: It won’t show this password again

make sure the below plugins are installed

‘email extension’

‘email extension template plugin’

‘mailer plugin’

Login to jenkins ---> manage jenkins --->configure system ---> E-mail notification ---> smtp server --- > provide ‘smtp.gmail.com’ --->use smtp auth --->provid gmail id ---> password (paste the password shown in gmail) ---> select SSL ---> test confiuration ---> provide gmail id ---> apply