**JENKINS :**

>>in front-end all job logs and data will be stored in workspace , if you want to remove current job log under the workspace one option will be there like WIPE OUT CURRENT WORKSPACE so click on that and delete job logs.

>>if we wont give repository url in job configuration error will get like null-point issue

**MANAGE JENKINS :**

**1.CONFIGURE SYSTEM :**

>> to check home dirctory ,

jenkins-dashbord---->configure system----->

>>if you give any message in system message inside the configure system , that message will be displayed in home directory ,

>>if you want to increase build executor status then go to config system ---> # of executors ----> increase build executor status , give 5 here ,now in home directory build executor status will show 5 ,

at a time paralally we can run multiple jobs ,

>>**SLAVE :** share the load into different different machines is called SLAVE.

**QUIETE PERIOD :**

>> default time will be 5 seconds , quiet period is nothing but Hold the build process for 2 minutes here time we have to give in seconds , for 2 minutes we have to give like 120

**POLLSCM :**

>>whenever developer do changes in the code my poll scm will check the changes and start building , by default it will check for 1 time , if code didnot happen any modification by default it will check one time after it will not check

In config-system we have option like **SCM CHECKOUT RETRY COUNT** here if i give 5 what will happen means within 2 minutes it will check 5+1 total 6 times

Why only within 2 minutes means here i specify the time for pollscm is 2 minutes only so ,

Example , 2 \* \* \* \*

**EMAIL-NOTIFICATION :**

>>We will set the E-Mail notification inside the configure system in jenkins, why we have to set E-MAIL notification means suppose if build gets failure or success for this things to get mail notification we will setup email notification.

to set email notification we have to pass here ,

SMTP server , port numbers we have to configure

**2.Configure global security :**

here configure global security will be in enable so only for login and all it will ask credentials, if you disable configure global security it will open directly

rough command ,

java -jar jenkins.war --httpPort 8084

>>Jenkins has own user database no need to depends on other database ,

**3.MANAGE USER :**

>>to create new users , goto manage jenkins inside manage jenkins we have a option like Manage Users click on that and set user

--> here how many users are there in our jenkins machine it will show , but we can not

delete admin-user

-->if i created user1 it will display in manage users if you want to change user password or user name you can change here , if you want to delete you can delete

-->if you want to create user click on create user and give username and password

>>Authentication means we will create user and giving permissions

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**4.GLOBAL TOOL CONFIGURATION :**

it is one of the most important thing in DevOps ,

here we will set tools location like JDK , MAVEN , ANT path's we will set here even bin path and all we have to set here ,

here we have to set only name , example JAVA\_HOME , MAVEN\_HOME

>>we can specify 2 jdk versions also at a time

ADD JDK option will be there click on that and set

>>Comming to GIT , by default GIT path will be git.exe

>>In the job configuration while we are passing the git url here it will show the error in that time we will go to global tool configuration inside the global tool configuration we will go to git , here **the path to Git executable** option before git.exe we need to pass git path with ,

for git path , goto c--->program files-->git --> bin

**5.LOAD STATISTICS :**

**>>if you want to see JENKINS performance graphically we can see in load statistics ,**

**manage jenkins -----> load statistics**

**6.Jenkins CLI :**

It means we can do complete jenkins process in command line also but we are doing in graphically