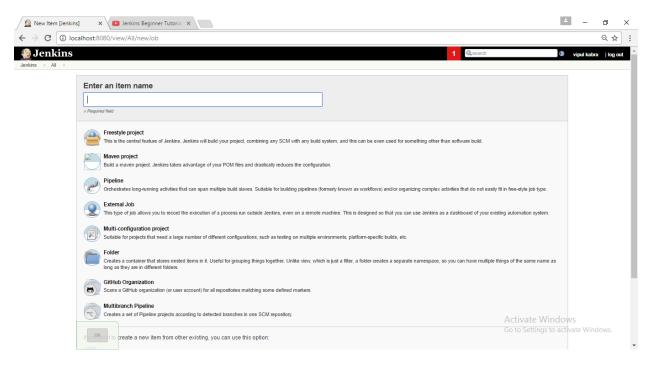
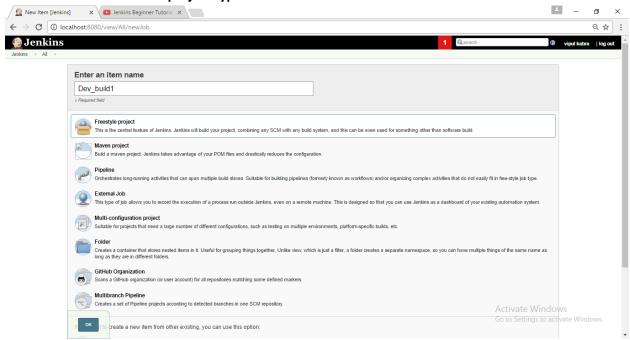
Creating Job in Jenkins and configuring the same and playing with build

→ Create Job/build – Login in to Jenkin and Click on new Item from top left hand option



→ Enter Job name and select project type



There are 5 tabs that need to be provided for the job they are as below

General → Provide the description of Job/build

Source code Management \rightarrow If source code will be pulled from any repository you can select this. Note make sure those plugin are installed to get them added

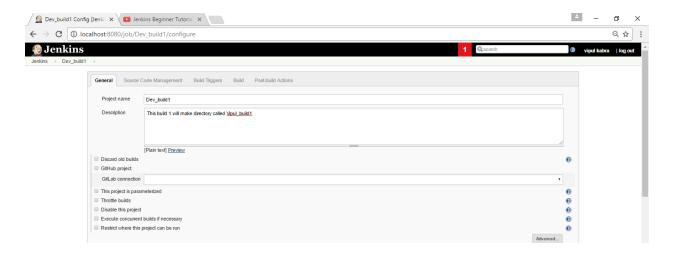
Build Triggers Define how build want to be triggered using script, should do if any other build is completed, schedule build or Poll SCM which is one when any new source code is checked in your repository

Build This describe how you want to execute build using command prompt or using any script

Post Build Actions → This describe once build is completed what do we want to do next we can ask to run other build , can ask to send notification and so on

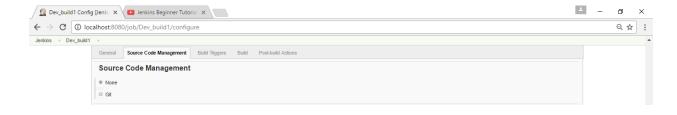
General

We creating job here and provided with short description, we will not be using build with any repository hence have not selected any. You have many other option that you can do with this job like disabled, where this build to run and so on



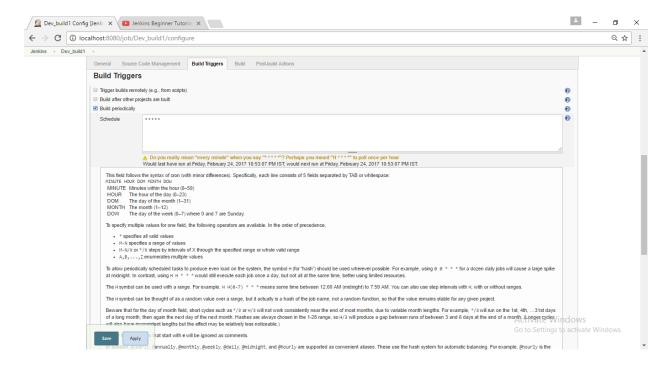
Source Code Management

If you want to pull your code for job build from any repository need to provide those details
If you using any repository make sure those plugin are installed



Build Triggers

How you want to execute your build, here I am using build periodically given 5 star First position denotes Minute, Second Hour, third Day of Month, Fourth for Month, Fifth for Day of Week. Giving star means valid value



Build

How you want to execute your build through any script or from Git hub or will be from any command, here we are using Windows batch command and we using Date command



Post Build Action

Once build is completed what is needed that needs to be configure here like sending email notification, Triggering next build in this case we are taking no action



Click on Apply to create job

Your build/project entry is created on Dashboard. Since you have schedule to run every minute it has executed and been successful the color blue denote success.

On failure it turns to red

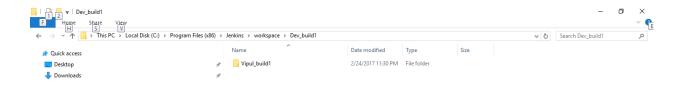
So now as per build command it has executed and created directory



See below console output of build successful



Showing Vipul build1 directory created

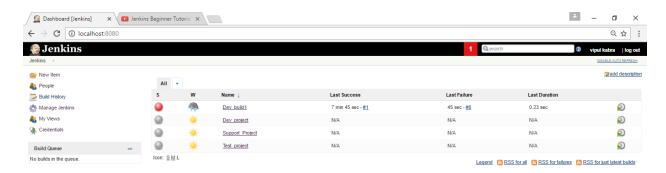


Now our schedule was to run every minute to create same directory, since we already had this directory created when it tries to create again this is obvious it will fail.

Let see what happen after 1 success build

5

You can see on dashboard getting failure

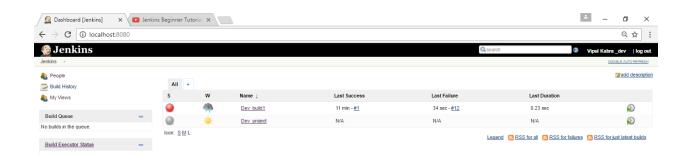


Let's check the reason of failure

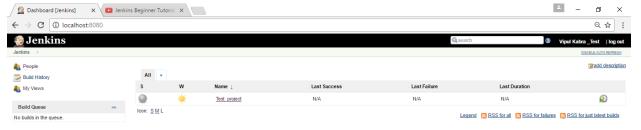




Let see if Develop user login can he check this build since we have define pattern to view Dev jobs for him



Since this is developer build when Tester login he should not see this build of Dev_build1



→Trigger job remotely

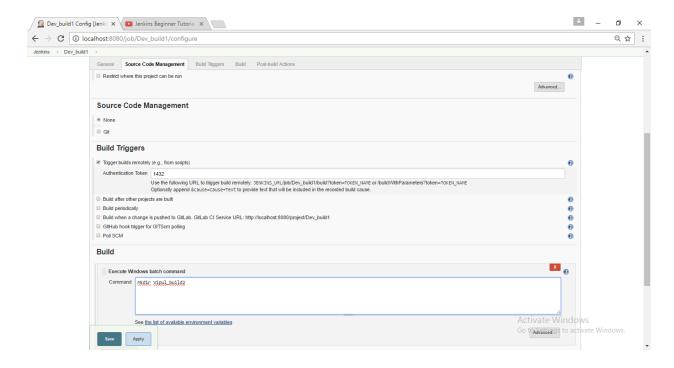
We will go to configure job

In Build Triggers we will uncheck Schedule and will check to trigger builds remotely When we do this need to provide token number as well

We will also change Mkdir since that already exist as shown below

Jenkins will provide URL you need to use that to run this

/job/Dev_build1/build?token=TOKEN NAME (Token Name is 1432)

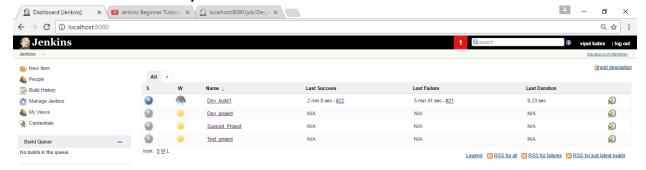


Save and Apply

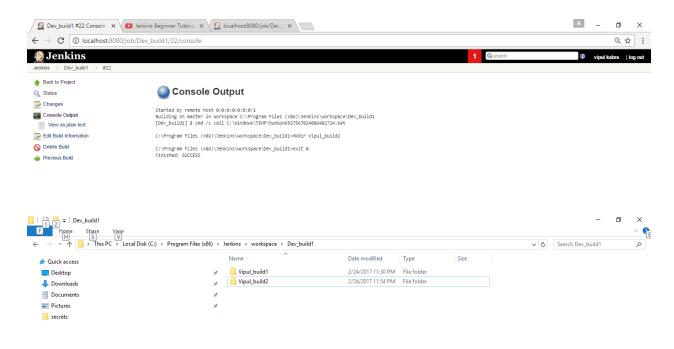
Let's use link provide and token name and run it



After build executed remotely let's see on Jenkin dashboard



Let's see console output if they have created new directory called Vipul_build2 which we used to run remote trigger



→ Trigger Test1_build after Build1_ is success (Trigger job based on dependency)
We will trigger Dev_build1 (MkDIR_VIPUL_CODE_Complete)

On Success

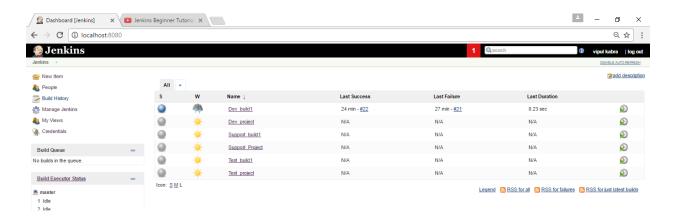
We will Trigger TEST_Build1 (MkDIR VIPUL_TEST_Complete)

On success

We will Trigger Support_Build1 (MkDIR SUPPORT_Complete)

Let's Create 2 new Job

Test_Build1 which will run after Dev_build1 is succeed Support_build1 which will run after Test_build1 is succeed Configure Dev_build1 so that it runs success



Dev_build1 job Configuration



TEST_Build1 job configuration



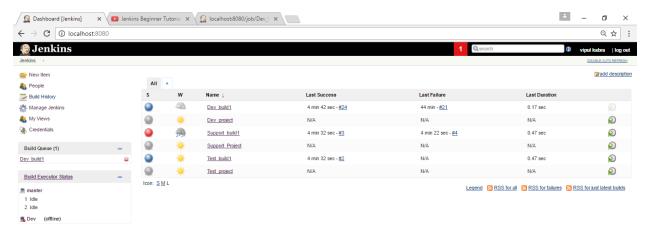
Support_Build1 job configuration



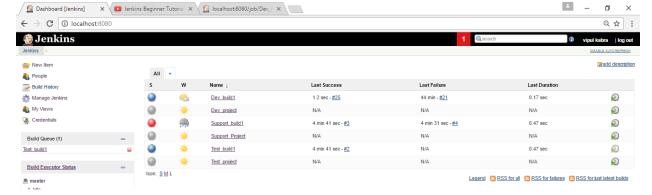
Let's Trigger Dev_build1 through remote giving URL and token



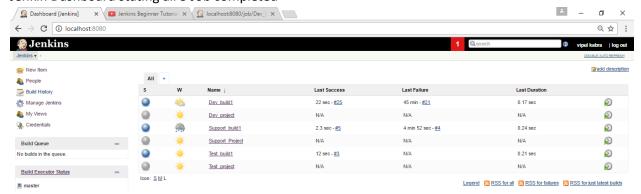
Jenkin Dashboard stating Dev Build 1 in Queue



Jenkin Dashboard Dev build 1 succeed and Test Build1 in Queue



Jenkin Dashboard stating all 3 Job completed



Since all build succeeded MKdir command executed

