Purpose: The purpose of this code is to create a Jira automatically when corresponding to a Jenkins job when the job fails.

Pre-requisites:

* The plugin “[Parameterized Trigger plugin](http://wiki.jenkins-ci.org/display/JENKINS/Parameterized+Trigger+Plugin)” needs to be installed in your Jenkins.

Step 1: Updating the InputParams.json file.

* update the Jenkins url, username and password under the jenkinsParams section
* update the Jira url, username and password under the jiraParams section
* under the field section under JiraJsonData section update the below details
  + project: Under this we will have a key “key” and the value as the Project name(This is the first part of the Jira ticket).
  + summary: This will contain the summary to be displayed in the Jira.
  + description: This will contain the description to be displayed in the Jira.
  + issuetype: Under this we will have a key “name” and the value as “Defect”.
  + reporter: Under this we will have a key “name” and the value will be the network ID of the reporter.
  + assignee: Under this we will have a key “name” and the value will be the network ID of the assignee.
  + customfield\_14801: Add the list of solution details under this section.
  + customfield\_14802: Add the list of Jira groups under this section.
  + customfield\_10703: This field will correspond to the frequency.

Under this we will have a key “value” and the value will be the frequency.

* + customfield\_10208: This field will correspond to the lifecycle step found.

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* + customfield\_10309: This field will correspond to the Severity.

Under this we will have a key “value” and the value will be the Severity.

* + customfield\_10208: Add the list of Jira solutions here.
* The attachmentJsonData and fileJsonData sections will have the details that are necessary to attach the log file in Jira. **Do not make any changes to this section.**

Step 2: Add a new Jenkins job that will trigger the JenkinsJira.exe.

Configure this job as below.

* Under the General section check the option ‘This project is parameterized’.
* Click on the Add Parameter dropdown and select string parameter.
* Give the name of the parameter as JOBNAME.
* Under the Build section paste the below command within the Execute windows batch command textbox.

“JenkinsJira.exe %JOBNAME%”

Apply and save the configuration changes.

Step 3: Adding the post build action.

* All the Jenkins jobs that will be making use of this functionality need to have a post build action “Trigger parameterized build on other projects” added.
* Please provide the list of all the jobs that will be making use of this functionality in a CSV.
* Update the ParamTriggerConfig xml. Add the name of the Jenkins job created in Step 2 within the projects tag.
* In your Jenkins go to Manage Jenkins -> Configure Global Security.
  + Under Authorization select Matrix – based security and provide Overall administer and read access to the user that you will using to log into Jenkins.
  + Under CSRF Protection uncheck the option “Prevent Cross Site Request Forgery exploits”
  + Apply and save the changes and then logout of Jenkins.
* Now run AddPostBuildParamTrigger code.
* This code will add the post build action “Trigger parameterized build on other projects” to all the jobs that were provided in the csv.