

Jenkins – Passing Parameters

Jenkins – Parameters to Job?

- What is the need to pass parameters to a Jenkins Job??
- Parameters can be defined as System or Environment variables and Jenkins can use them as per need

Create a Multi-Branch Java Repo

- Create a Git Repo (Parameter_Jenkins) having 3 Branches – master, rfe and integration
- Type in Hello.java and put in Sys.out which prints the branch name
 - >git branch rfe ##Creates new branch
 - >git checkout rfe ##Switches to new branch
 - >After all changes, please commit and then push using
 - >git push -u origin rfe ##Pushes rfe branch to server
- Save & Push all 3 branches to the server

Create Parameterized Job

- Create a new Job in Jenkins (Freestyle)
- Specify Choice Parameter

☒ This project is parameterized ?

Choice Parameter

X

Name

Branch_Name

Choices

master
rfe
integration

Description

Please Select Branch you want to Build

[Plain text] [Preview](#)

?

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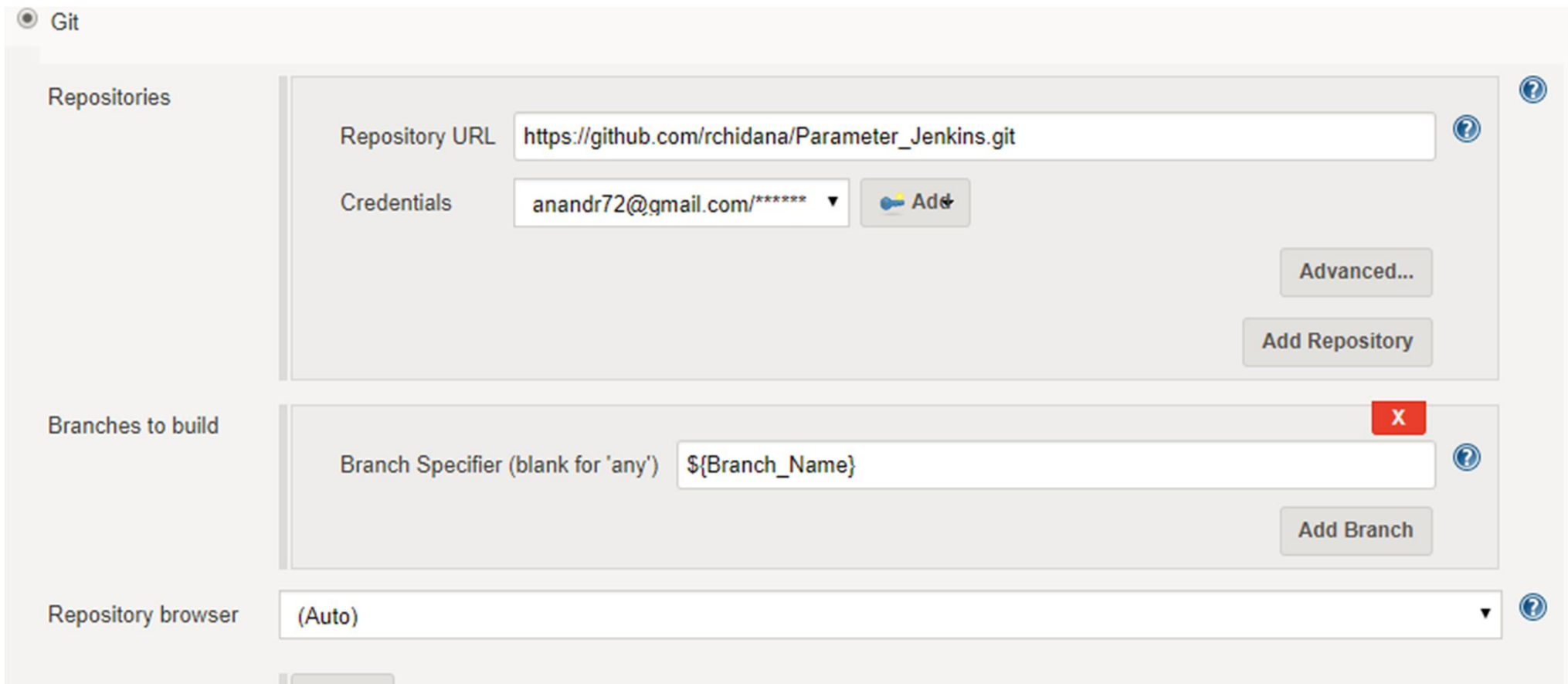
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Add Parameter ▼

Create Parameterized Job

- Specify Git Source for this job
- Pick Parameter using `${PARAMETER_NAME}`




The screenshot shows the 'Git' configuration section of a Jenkins job. It is divided into three main parts: 'Repositories', 'Branches to build', and 'Repository browser'.

- Repositories:** This section contains a 'Repository URL' field with the value 'https://github.com/rchidana/Parameter_Jenkins.git' and a 'Credentials' dropdown menu showing 'anandr72@gmail.com/*****'. There are 'Advanced...' and 'Add Repository' buttons.
- Branches to build:** This section contains a 'Branch Specifier (blank for 'any')' field with the value '\${Branch_Name}'. There is a red 'X' icon in the top right corner of this section and an 'Add Branch' button.
- Repository browser:** This section contains a dropdown menu with the value '(Auto)'.

Create Parameterized Job

- Put in Build command to run Java class
- Run the job by specifying Parameter

Build

 Execute Windows batch command

Command

```
javac Hello.java  
java Hello
```

[See the list of available environment variables](#)

Advanced...

Add build step ▼