

Continuous Delivery

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1.0

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Prerequisites

Students will need a computer with:

• Web Browser (Chrome, Safari, Firefox)

Lab 1

Step 1: Login to GitHub

• In your workspaces session, open a web browser and login to github: http://github.com

TIP If you don't have a GitHub account, go to http://github.com and create a free account

Step 2: Fork the lab1 repo

- Go to this url: https://github.com/RoundTower-io/cd_workshop_lab1
- Fork the repo by clicking on the "Fork" button in the upper right of the screen.
- This will create a copy of the lab1 repo under your own GitHub id

Step 3: Clone a copy of the lab1 repo

• In your workspace session, open a new terminal window by clicking on the Powershell icon.



• Make a local copy of the repo by cloning it with the following command

git clone https://github.com/<your user name>/cd_workshop_lab1.git

Step 4: Update the Jenkinsfile

• Go to the home directory of your new repo

cd cd_workshop_lab1

• Now edit the file Jenkinsfile

atom Jenkinsfile

• Change every occurrence of training99 to your training ID (assigned by the instructor).

· Save and exit the file

Step 5: Commit Changes and Push to Central Repository

• First, change the working directory.

```
cd ~/cd_workshop_lab1
```

• Next, add all altered files to the change set.

```
git add .
```

• Next, commit the changes.

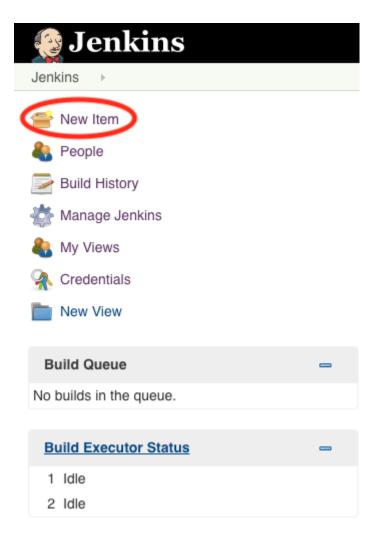
```
git commit -m "Updated Jenkinsfile"
```

• Last, push the change to GitHub.

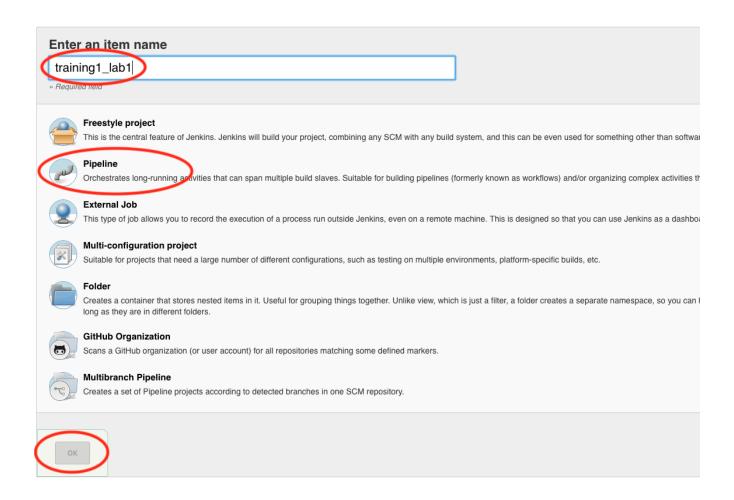
```
git push
```

Step 6: Setup a Jenkins pipeline

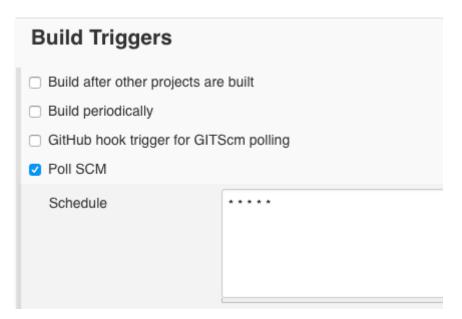
- Login to Jenkins at http://jenkins.roundtower.io
- Login using your assigned training id (get it from your instructor).
- Click on the "New Item" option on the main menu



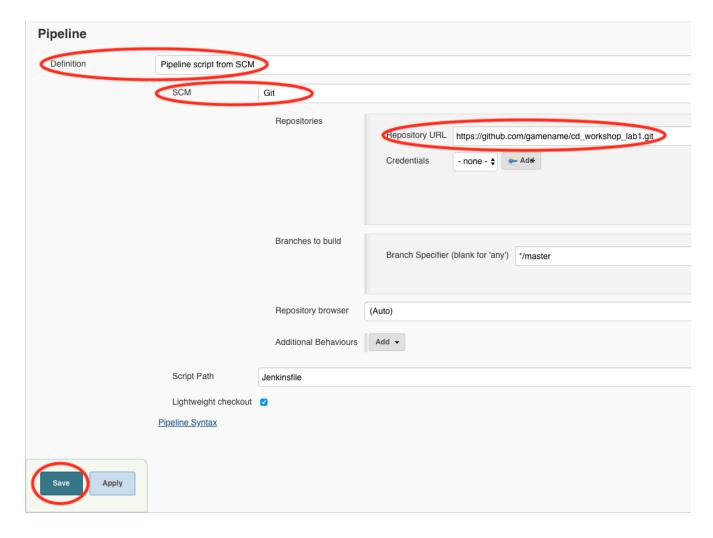
• Name your new pipeline <your training id>_lab1 and select pipeline as the type. Then click ok to save it.



• Next, click on the Poll SCM option (about halfway down the page) and enter 5 asterisks in the field. This will cause Jenkins to look at GitHub once per minute for changes. If changes are found, then the pipeline will run.



 At the bottom of the page, set the Definition field to Pipeline script from SCM, then set the SCM field to Git. Put your lab1 url in the Repository URL field. Finally, click on Save to save all your work.



• At this point, you should see your pipeline run automatically. If so, you will see output something like this

Pipeline training1_lab1



Stage View

