

Use Git to Make Changes to Code

In this lab, we will make a change to the `train-schedule` app. Instead of the app's main page header reading "Train Schedule," the customer wants it to read "Find your train!" This text can be found in the project file `views/index.jade` on GitHub.

You can find the file [here](#).

Install Git

To push a change to the code, you will need to:

Install `git`:

```
sudo yum -y install git
```

Configure the name and email address associated with `git`:

```
git config --global user.name "<YOUR NAME>"
git config --global user.email "<YOUR EMAIL>"
```

Create an SSH key, using the default settings:

```
ssh-keygen -t rsa -b 4096
```

Display the contents of our new public key (be sure to copy the key to your clipboard):

```
cat /home/cloud_user/.ssh/id_rsa.pub
```

Log in to GitHub, navigate to **Settings**, click on **SSH and GPG keys**, and click on **New SSH Key**. Paste your public key information into this field and then click **Add SSH key**.

Create a Fork

Create a personal fork of the sample repository <https://github.com/linuxacademy/cicd-pipeline-train-schedule-git>.

- Navigate to the URL <https://github.com/linuxacademy/cicd-pipeline-train-schedule-git>
- Click **Fork** in the top-right of the page.

Clone your personal fork from GitHub.

- Click the green **Clone or download** button and copy the string that is displayed
- In your terminal, run the following command:

```
cd ~/
git clone git@github.com:whboyd/cicd-pipeline-train-schedule-git.git
```

```
cd cicd-pipeline-train-schedule-git/
```

Create a feature branch to contain the change:

```
git checkout -b myBranch
```

Change the header text in `views/index.jade` from "Train Schedule" to "Find your train!":

```
vim views/index.jade
```

Add the change in `views/index.jade` to the next commit:

```
git add .
```

Commit the change:

```
git commit -m "<UNIQUE MESSAGE>"
```

Push the Commit

Push the change to the remote SCM repository:

```
git config --global push.default simple
```

```
git push --set-upstream origin myBranch
```

Create a pull request to merge the feature branch into the master branch:

- On the GitHub fork page, click **Branches**, locate `myBranch` under *Your branches*, and click **New pull request**.
- In the top-left of the new pull request, change the *base fork* dropdown menu to your personal fork.
- Click **Create pull request**

Merge the pull request

- After a few moments, click the **Merge pull request** button
- Click **Confirm merge**

The change is pushed.

Conclusion

We have installed Git, created a fork of a file, edited to fulfill our needs, and have pushed the change. Congratulations on completing this lab!