

CONNECT GITHUB REPO WITH AWS



GITHUB

AWS

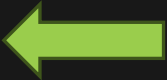


EC2

INSTALL GIT ON EC2

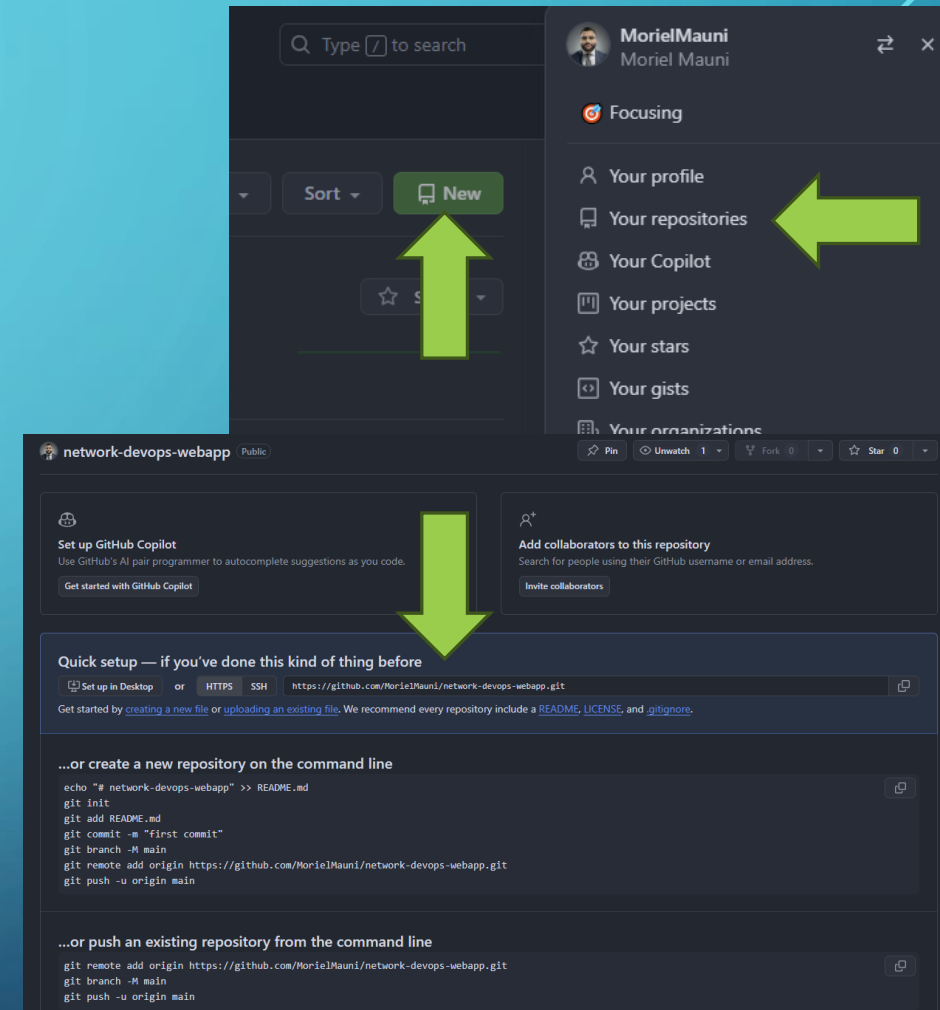
- CD into the directory of your project
- Put this commands in the Terminal
 - *sudo dnf update -y*
 - *sudo dnf install git -y*
- Verify Install: *git --version*

```
Total
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      : 
  Installing     : git-core-2.40.1-1.amzn2023.0.3.x86_64
  Installing     : git-core-doc-2.40.1-1.amzn2023.0.3.noarch
  Installing     : perl-lib-0.65-477.amzn2023.0.6.x86_64
  Installing     : perl-TermReadKey-2.38-9.amzn2023.0.2.x86_64
  Installing     : perl-File-Find-1.37-477.amzn2023.0.6.noarch
  Installing     : perl-Error-1:0.17029-5.amzn2023.0.2.noarch
  Installing     : perl-Git-2.40.1-1.amzn2023.0.3.noarch
  Installing     : git-2.40.1-1.amzn2023.0.3.x86_64
  Running scriptlet: git-2.40.1-1.amzn2023.0.3.x86_64
  Verifying      : git-2.40.1-1.amzn2023.0.3.x86_64
● [ec2-user@ip-172-31-42-3 ~]$ git --version
git version 2.40.1
○ [ec2-user@ip-172-31-42-3 ~]$
```



CREATE A GITHUB REPOSITORY

- Create a new GitHub Repository
- Make sure it's a public repository
- Copy the URL path to the repository



CONNECT GITHUB AND EC2

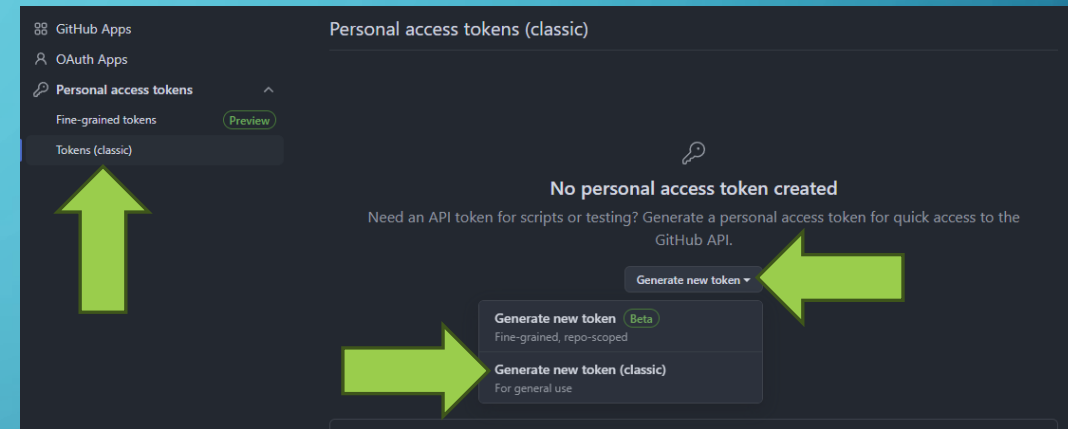
- CD to your project directory
- Run “**git init**”
- Run the commend with your repo from GitHub
 - “**git remote add origin https://github.com/<username>/<repository_name>**”
- Save and push changes “**git add .**”

CHANGE NAME IN GIT

- Change the name and email in git to your own (GitHub shows who made a push)
 - `' git config --global user.name "<Your Name>" '`
 - `' git config --global user.email "<your@mail.com>" '`
- Now we need to generate a GitHub Token

GITHUB TOKEN


- In order to work with GitHub on Terminal, we need to connect it with “GitHub Token”
- Enter <https://github.com/settings/tokens>
- Name the Token, give it expiration time and give permissions to the Token
- Print in terminal
 - “**`git remote set-url origin <Token>@github.com/<UserName>/<Git-Repo-Name>.git`**”
- Now we can run
 - ‘**`git commit -m "Updated index.jsp with new content"`**’
 - “**`git push -u origin master`**”




```
[ec2-user@ip-172-31-42-3 network-web-project]$ git push -u origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 2 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (9/9), 1.03 KiB | 1.03 MiB/s, done.
Total 9 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/MorielMauni/network-devops-webapp.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
[ec2-user@ip-172-31-42-3 network-web-project]$
```

COMMIT CHANGES

- We can make a change in “index.jsp” and commit to the change
- After we change it
 - Add ‘<p>If you see this line in Github, that means your latest changes are getting pushed to your cloud repo :o</p>”’
- Run:
 - **git add .**
 - **git diff --staged** Show the changes
 - **git commit -m "Add new line to index.jsp"**
 - **git push**
- Now we can see the changes in GitHub



```
[ec2-user@ip-172-31-42-3 nextwork-web-project]$ git diff --staged
diff --git a/src/main/webapp/index.jsp b/src/main/webapp/index.jsp
index c38169b..43b08f8 100644
--- a/src/main/webapp/index.jsp
+++ b/src/main/webapp/index.jsp
@@ -1,5 +1,13 @@
<html>
+
+<body>
+<h2>Hello World!</h2>
+<h2>Hello <YOUR NAME>!</h2>
+
+<p>This is my NextWork web application working!</p>
+<p>If you see this line in Github, that means your latest changes are getting pushed to your cloud repo :o</p>
+
+</body>
+
</html>
```



```
[ec2-user@ip-172-31-42-3 nextwork-web-project]$ git commit -m "Add new line to index.jsp"
git push
[master 67a28d0] Add new line to index.jsp
1 file changed, 9 insertions(+), 1 deletion(-)
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 2 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 615 bytes | 615.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/MorielMauni/network-devops-webapp.git
253e87e..67a28d0 master -> master
```