Accessing Jenkins

Prerequisites:

- User is on the sudo list on the server machine
- Local machine is on OU/VPN Network

1. Open a web browser on a local machine.

2. Enter 10.254.214.49:8080 into the search bar.

3. The Jenkins landing page will be displayed.

4. Create a Jenkins account if you do not have one (preferably named the same as your server login).

Accessing NGINX

Prerequisites:

- User is on the sudo list on the server machine
- Local machine is on OU VPN

1. Open a web browser on a local machine.

2. Enter 10.254.214.49:80 or use the link http://spinout.cs.nor.ou.edu/ in the search bar.

3. The Nginx landing page will be displayed.

Modifying the Site

1. Log into the server machine through ssh (ssh username@spinout.cs.no.ou.edu).

2. Navigate to /var/www on the server machine. This is where website storage is located.

3. Follow the guide linked on the Capstone landing page to learn how to create new content.

Accessing Postgres

Prerequisites:

- Have Postgres installed on your machine with access to the “psql” command
- User is on the sudo list on the server machine
- Local machine is on OU VPN

1. Log into the server machine through ssh (ssh username@spinout.cs.no.ou.edu).

2. Navigate to the “/etc/postgresql/14/main/” directory.

3. Open the hba config file with “sudo vim pg hba.conf”

- Navigate down to the “IPv4 local connections” section.
- Add a new line that follows the previous line format but change the IP. address to your public IP address, then save the file.
- Should look something like this with your IP.

4. Back in the terminal, type “sudo systemct1 restart postgresql” and wait until it finishes.

5. Type “sudo -u postgres psql”. We are now in the postgres shell.

6. Type “CREATE ROLE user LOGIN PASSWORD ’password’;” such that:

- User is the username you want to create.
- Password is the password you want to create.
- Make this simple, don’t believe this is stored as plaintext.

7. Type “GRANT ALL PRIVILEGES ON DATABASE testdb to user;” such that:

- testdb is a default test database on the server. If you want to use a different database, change this to that database’s name.
- user is the user you just created in the previous step.

8. Open another terminal window to connect to the postgres database on your local. machine

9. Type “psql -h 129.15.15.51 -d testdb -U user -p 5432”

- Password should be prompted, after logging in should be in a psql shell where user can make database actions.

Reference:

GroupA_ServerAccess_CS5213Spring2024