**PE06: Programming Exercise**

In this Programming exercise, we deployed a FastAPI web app to an AWS EC2 instance through several key steps. First, we launched an EC2 instance with an Ubuntu AMI. After connecting to the instance via SSH, we installed the necessary dependencies, including Python, FastAPI, and the web server Uvicorn. We also set up a virtual environment for the project. Next, we configured Uvicorn to run the FastAPI app. Additionally, we set up Nginx as a reverse proxy to allow for exposing the app to the Internet. Finally, we changed the configuration of security groups to allow HTTP inbound requests.

Screenshots

* Running the FastAPI locally

A screenshot of a computer

Description automatically generated

* Launching an EC2 instance in AWS

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* SSH to the EC2 instance with a private key

A screenshot of a computer

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* SFTP and put app files in the EC2 instance

A screen shot of a computer

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* Configure Nginx to allow for reverse proxy

A computer screen with white text

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* Launch the fast API in the public IP

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