**MLFLOW setup**

**Walkthrough**

1. EC2
2. Launch instance
3. provide name
4. select linux AMI (Ubuntu)
5. Select Instance type (t2.micro)
6. create key pair (follow tutorial below)
7. security group (follow tutorial below) (check issues to allow ports for MLFlow)
8. Configure storage (30GiB)
9. launch instance
10. connect to instance
11. connect
12. install python
13. pip install mlflow
14. tmux
15. mlflow server --host 0.0.0.0 --port 5000
16. ctrl-b d (to detatch from tmux and have it run in the background)

Attempted

<https://medium.com/ama-tech-blog/mlflow-on-aws-a-step-by-step-setup-guide-8601414dd6ea>

issue: AWS cannot detect dbs in the same instance. Attempts made to fix but none found, opted for the steps above in “Walkthrough”.

**Issues encountered**

Issue #1: docker not working due to package issues

Solution: followed the official guide instead, simply:

* pip install mlflow
* mlflow server --host 127.0.0.1 --port 8080

issue #2: server not persistent

solution: Run it on tmux and detatch session with ctrl+b -> d

issue #3: Server cant be seen on the public dns

solution: Configured inbound rules for the EC2 instance, configuration shown below

A screenshot of a computer

Description automatically generated

Issue #4: Server cant be seen on the public dns again

Solution: mlflow server not hosted properly, use command ` mlflow server --host 0.0.0.0 --port 5000` instead