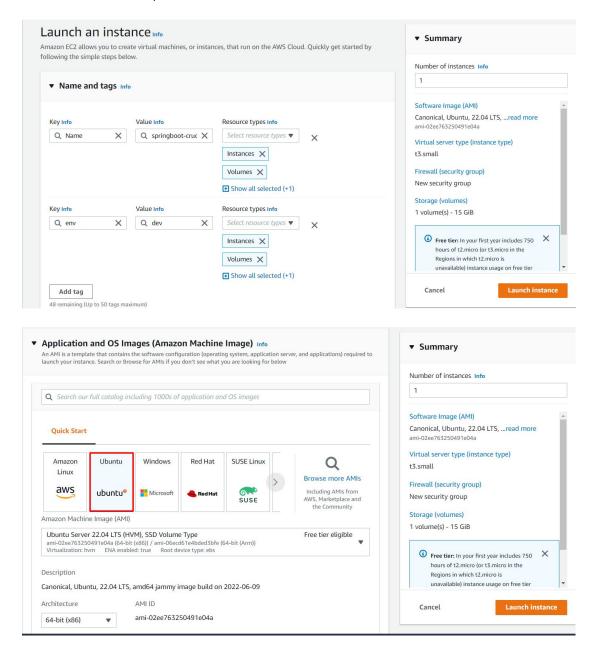
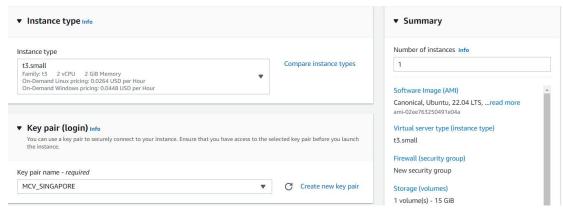
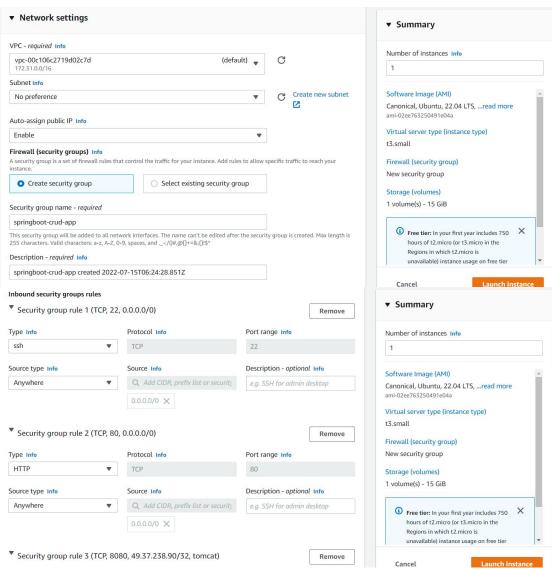
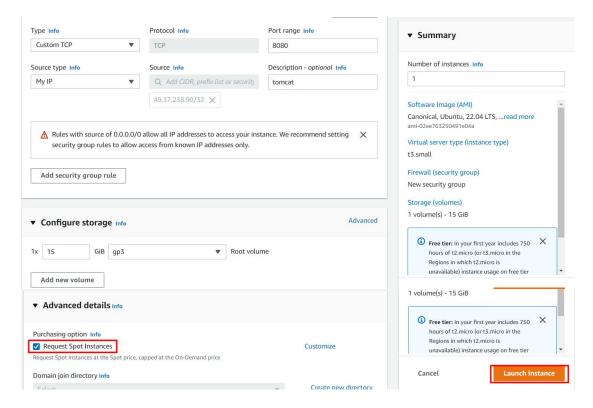
Build Instructions

- 1. Login to AWS Console > EC2
- 2. Launch a t3.micro Spot instance with an Ubuntu AMI Ubuntu 22.04 LTS









3. Add an entry to the ssh client config file so that it is easy to connect

nano ~/.ssh/config

Host springbootapp-aws
HostName 18.136.119.50
User ubuntu
Port 22
IdentityFile "G:\My Drive\vault\aws\MCV_SINGAPORE.pem"
ServerAliveInterval 240

4. Connect to the instance

ssh springbootapp-aws sudo apt update sudo apt upgrade -y

sudo reboot sudo apt install mysql-server -y

Root Password: KcFmlj32nxiE7gAnQYxS

DB Name: employee_db
DB User: springcrudapp
DB Pass: 9EN6derDK5SCWDF

sudo mysql

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password by 'KcFmlj32nxiE7gAnQYxS';

Query OK, 0 rows affected (0.01 sec)

mysql> create database employee_db; Query OK, 1 row affected (0.01 sec)

mysql> create user 'springcrudapp'@'localhost' identified by '9EN6derDK5SCWDF'; Query OK, 0 rows affected (0.04 sec)

mysql> grant all on employee_db.* to 'springcrudapp'@'localhost'; Query OK, 0 rows affected (0.01 sec)

mysql> \q Bye

sudo mysql_secure_installation

```
ubuntu@ip-172-31-18-131:~$ sudo mysql_secure_installation
Securing the MySQL server deployment.
Enter password for user root:
The 'validate_password' compo
The 'validate_password' component is installed on the server.
The subsequent steps will run with the existing configuration
of the component.
Using existing password for root.
Estimated strength of the password: 50 Change the password for root ? ((Press y|Y for Yes, any other key for No) : n
... skipping.

By default, a MySQL installation has an anonymous user, allowing anyone to log into MySQL without having to have a user account created for them. This is intended only for testing, and to make the installation go a bit smoother. You should remove them before moving into a production
environment.
Remove anonymous users? (Press y|Y for Yes, any other key for No) : y
Normally, root should only be allowed to connect from 'localhost'. This ensures that someone cannot guess at the root password from the network.
Disallow root login remotely? (Press y|Y for Yes, any other key for No) : y
By default, MySQL comes with a database named 'test' that anyone can access. This is also intended only for testing, and should be removed before moving into a production
environment
Remove test database and access to it? (Press y|Y for Yes, any other key for No) : y
- Dropping test database...
Success.
  - Removing privileges on test database...
Reloading the privilege tables will ensure that all changes made so far will take effect immediately.
Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y Success.
All done!
       tu@ip-172-31-18-131:~$
```

git clone https://github.com/melvincv/springboot-crud-webapp.git cd springboot-crud-webapp

sudo apt install openjdk-11-jdk maven -y

Check status of Mysql, java and maven

sudo systemctl status mysql.service

 mysql.service - MySQL Community Server Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
 Active: active (running) since Fri 2022-07-15 06:45:44 UTC; 8min ago

sudo systemctl is-enabled mysql.service enabled

java -version

mvn --version

mvn spring-boot:run

```
        ♦ dwnmume=1723118-1811-A
        ♦ dwnmume=172311-A
        ♦ dwnm
```

http://18.136.119.50:8080/



mvn clean package

cd target/

java -jar springboot-thymeleaf-crud-web-app-0.0.1-SNAPSHOT.jar

```
2022-07-15 07:09:45.767 INFO 5076 --- [ main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit t'default'
2022-07-15 07:09:46.241 MARN 5076 --- [ main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore database queries may be performed during view rendering. Explicitly configure spring.jpa.open-in-view to disable this warning 2022-07-15 07:09:46.620 NRO 5076 --- [ main] o.s.b.c.concurrent.ThreadPolaskExecutor : Initializing ExecutorService 'applicationTaskExecutor' 2022-07-15 07:09:46.620 NRO 5076 --- [ main] o.s.b.w.embedded.tomact.TomacetMolastered on port(5): 8080 (http) with context path main] o.s.b.w.embedded.tomact.TomacetMolastered on port(5): 8080 (http) with context path content of the content of
```

http://18.136.119.50:8080/

