

FULL COMMAND LIST (Spring Boot + AWS EC2 + RDS MySQL)

A. Connect to EC2

1. chmod 400 mis-backend.pem
2. ssh -i mis-backend.pem ubuntu@16.171.3.153

B. Setup EC2 Environment

3. sudo apt update
4. sudo apt install openjdk-17-jdk git maven -y
5. java -version
- mvn -version
- git --version

C. Clone Spring Boot Project from GitHub

6. git clone https://github.com/YOUR_USERNAME/YOUR_REPO.git
7. cd mis
8. ls

D. Build Spring Boot Application

9. mvn clean package -DskipTests
10. ls target/

E. Run Application Manually (Testing)

11. export DB_URL="jdbc:mysql://...:3306/misdb"
- export DB_USER="admin"
- export DB_PASS="YOUR_DB_PASSWORD"
- export JWT_SECRET="YOUR_JWT_SECRET"
12. java -jar target/mis-0.0.1-SNAPSHOT.jar --spring.profiles.active=prod

F. Run Application Forever (Systemd Service)

13. sudo nano /etc/systemd/system/gepl.service
14. sudo systemctl daemon-reload
15. sudo systemctl reset-failed gepl
16. sudo systemctl start gepl
17. sudo systemctl enable gepl

G. Service Management

- sudo systemctl status gepl
- sudo systemctl restart gepl
- sudo systemctl stop gepl
- sudo journalctl -u gepl -f

H. Network Debug

- sudo ss -tulnp | grep 8080
- sudo lsof -i :8080
- curl http://localhost:8080

I. Database Test

```
sudo apt install mysql-client -y  
mysql -h RDS-ENDPOINT -u admin -p
```

FINAL URLs

Swagger: <http://16.171.3.153:8080/swagger-ui/index.html>

API Docs: <http://16.171.3.153:8080/v3/api-docs>