



Deploying Spring Boot App on AWS EC2 - Commands & Descriptions



1. Upload JAR to EC2

```
scp -i <your-key.pem> demo.jar ec2-user@<public-ip>:/home/ec2-user/
```



2. SSH into EC2 Instance

Linux/Mac:

```
ssh -i <your-key.pem> ec2-user@<public-ip>
```

Windows (Using PowerShell or CMD):

1. Open PowerShell
2. Navigate to the folder containing your `.pem` file
3. Run:

```
ssh -i .\your-key.pem ec2-user@<public-ip>
```

Windows (Using PuTTY):

1. Convert `.pem` to `.ppk` using PuTTYgen
2. Open PuTTY

3. Set Host Name: `ec2-user@<public-ip>`
 4. Go to Connection > SSH > Auth
 5. Browse and select `.ppk` file
 6. Click Open to connect
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3. Install Java (Amazon Linux 2, Java 17)

```
sudo yum update -y
sudo amazon-linux-extras enable corretto17
sudo yum install java-17-amazon-corretto -y
java -version
```



4. Run Spring Boot JAR with nohup

```
nohup java -jar demo.jar > output.log 2>&1 &
```

Explanation:

- `nohup`: Prevents the app from stopping after logout
 - `> output.log`: Saves app logs
 - `2>&1`: Also saves error logs
 - `&`: Runs in background
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5. View Logs in Real-Time

```
tail -f output.log
```
