



## 1. AWS Deployment 80% (/m/59/5447)

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Chapter Survey

## JDK and systemd

Lastly, we need to install the JDK to run our jar file and create a systemd script to have our appli

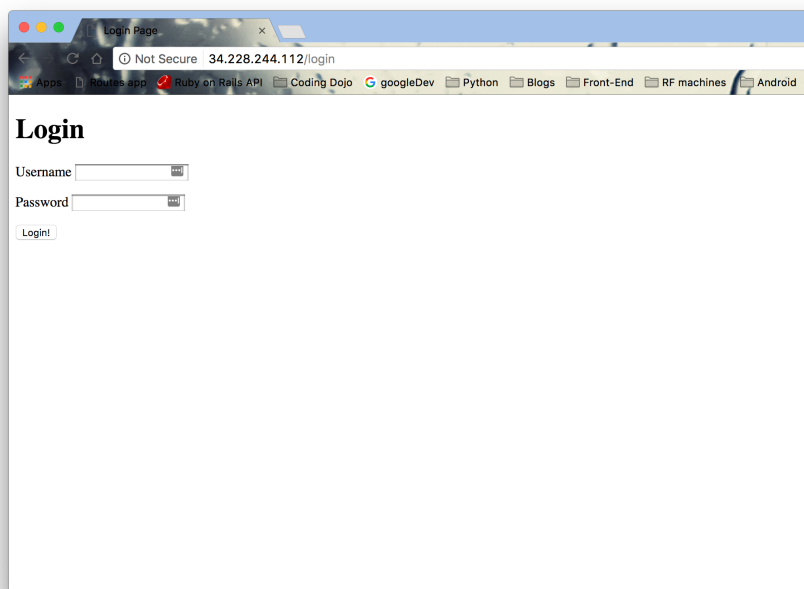
### 1. Install the JDK

```
sudo apt-get install default-jdk
```

### 2. Navigate to '/var/springApp' and run your application with the 'java -jar <<warFile>>'. For ex

```
java -jar auth-0.0.1-SNAPSHOT.war
```

This will start your Spring Boot application. In your favorite browser, navigate to your publi  
your application.



## systemd

Currently our app is working fine; however, if we ever close our ssh session, the Spring Boot app  
this issue, Spring Boot recommends that we create a systemd script to run our application.

### 1. Create a script named <<yourApp>>.service in '/etc/systemd/system' directory.

```
cd /etc/systemd/system
sudo touch auth.service
sudo vim auth.service
```

In the editor, follow this example:

```
[Unit]
Description=Auth application using Spring Boot
After=syslog.target
[Service]
User=ubuntu
ExecStart=/usr/bin/java -jar /var/springApp/auth-0.0.1-SNAPSHOT.war
SuccessExitStatus=143
[Install]
WantedBy=multi-user.target
```

Note: Change the Description field to match your application.

### 2. Let systemd know that we have created a new service:

```
sudo systemctl daemon-reload
```



3. Now that we have created the script, we need to make sure that our applications starts on e

```
sudo systemctl enable auth.service
```

4. Start our service:

```
sudo systemctl start auth
```

5. We can also stop, restart and check the status of our service:

```
sudo systemctl stop auth
sudo systemctl restart auth
systemctl status auth
```

We don't have to run sudo for the status because we are just checking if the service is runni

CHECKLIST

```

Desktop — ubuntu@ip-172-31-9-165: /etc/systemd/system — ssh -i springP
ubuntu@ip-172-31-9-165:/etc/systemd/system$ sudo systemctl start auth
ubuntu@ip-172-31-9-165:/etc/systemd/system$ systemctl status auth
● auth.service - Auth application using Spring Boot
   Loaded: loaded (/etc/systemd/system/auth.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2017-07-22 03:03:48 UTC; 3min 5s ago
 Main PID: 5000 (java)
    Tasks: 42
   Memory: 196.4M
      CPU: 15.624s
   CGroup: /system.slice/auth.service
           └─5000 /usr/bin/java -jar /var/springApp/auth-0.0.1-SNAPSHOT.war

Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.040 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.107 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.112 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.196 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.661 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.773 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.780 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.837 INFO 5000 --- [
Jul 22 03:04:03 ip-172-31-9-165 java[5000]: 2017-07-22 03:04:03.848 INFO 5000 --- [
Jul 22 03:06:44 ip-172-31-9-165 systemd[1]: Started Auth application using Spring Boot.
lines 1-20/20 (END)

```

Now, your app will be running via systemd. You can close your ssh session and everyone will application.