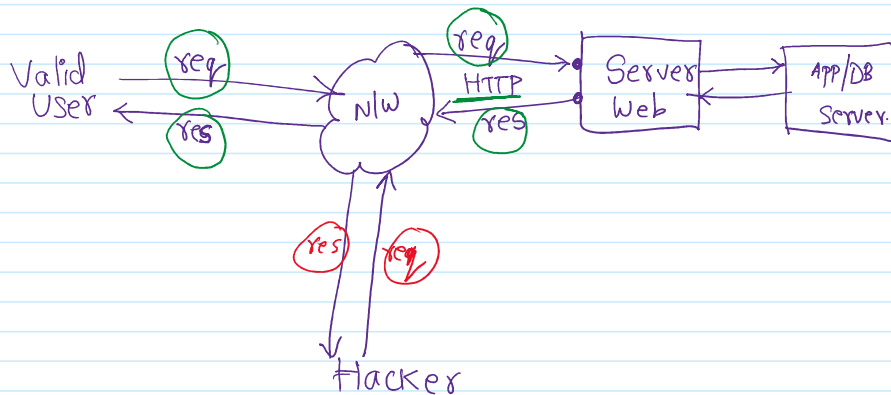


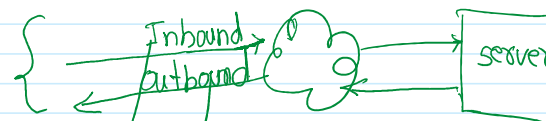
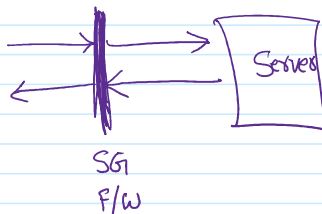
# 12.21May.Cloud Web Server

Sunday, May 21, 2023 4:24 PM

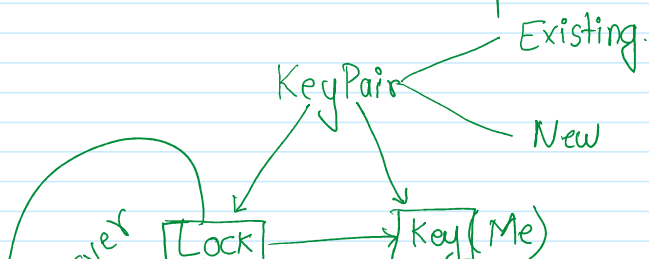


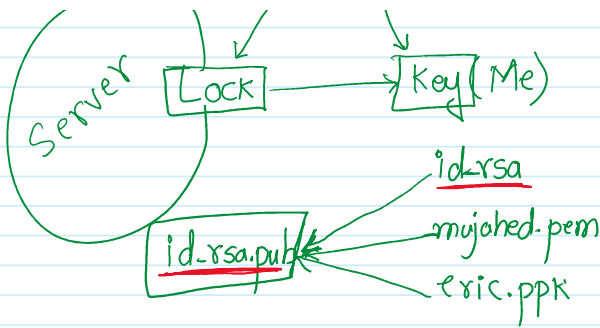
## A Security Group

- Controlling Inbound & Outbound traffic
- Firewall

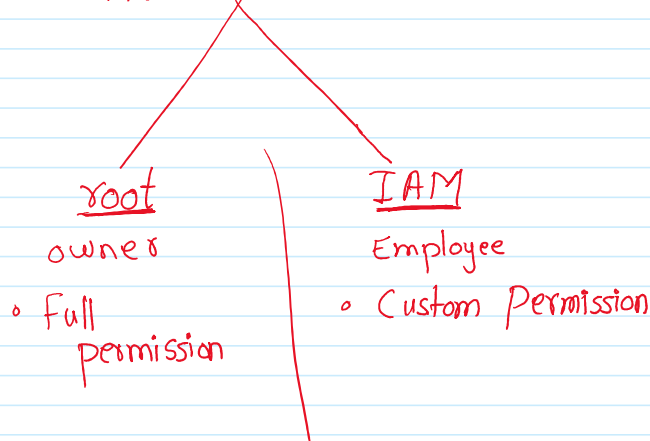


Rule's	• protocol	• Port	Src/Dest
I R	SSH	22	2.2.2.2/32
O R	https	443	google.com





## AWS Cloud Users



- ✓ 1] Create Key-Value Pair.
- ✓ 2] Create Firewall/Security Group
 

Inbound	HTTP	80	Anyone.	} All Traffic & Anywhere.
Outbound	HTTPS	443	Google.com	
- ✓ 3] Order EC2 Instance & Connect
- 4] Deploy addressBook Application using tomcat

```

sudo apt update
sudo apt install openjdk-8-jdk -y
sudo apt-cache search tomcat
sudo apt install tomcat9 tomcat9-admin -y
ss -ltn
sudo ufw allow from any to any port 8080 proto tcp
sudo systemctl status tomcat9.service
sudo systemctl restart tomcat9.service
sudo apt install maven -y
sudo apt install git -y
git clone https://github.com/vaadin/addressbook.git
cd addressbook/
mvn clean package
sudo cp target/addressbook-2.0.war /var/lib/tomcat9/webapps/
  
```

Note: Add this Script on sudo vi /etc/tomcat9/tomcat-users.xml

Cloud (Testing)  
↓  
Yes working.

```
sudo cp target/addressbook-2.0.war /var/lib/tomcat9/webapps/
```

Note: Add this Script on sudo vi /etc/tomcat9/tomcat-users.xml

```
<role rolename="manager-gui"/>
<role rolename="admin-gui"/>
<user username="admin" password="123" roles="manager-gui,admin-
gui"/>
```

```
sudo systemctl restart tomcat9.service
```

Yes working.  
↓  
VBox (Kali)

0] Base \$ sudo su  
\$ apt update

~~sudo apt update~~

1] Install Java (JDK & JRE)

```
$ apt install openjdk-8-jdk -y
```

```
$ javac -version
```

```
$ java -version
```

2] Install Maven

```
$ apt install maven -y
$ mvn --version
```

3] Install Tomcat

```
$ apt install tomcat9 tomcat9-admin -y
```

4] Clone Project

```
$ git clone https://github.com/NubeEra-MCO/addressbook.git
```

5] Clean → Build (Compile) → Package (war)

```
$ cd addressbook
$ mvn clean
$ mvn compile
$ mvn package (target/addressbook*.war)
```

6] Host war to Tomcat webapps

```
$ cd target/
$ ls
$ cp addressbook*.war /var/lib/tomcat9/webapps
```

7] Check in Browser

http://publicIP → Tomcat

http://publicIP:8080/addressbook-2.0/

in my EC2

<http://3.110.172.8:8080/addressbook-2.0/>