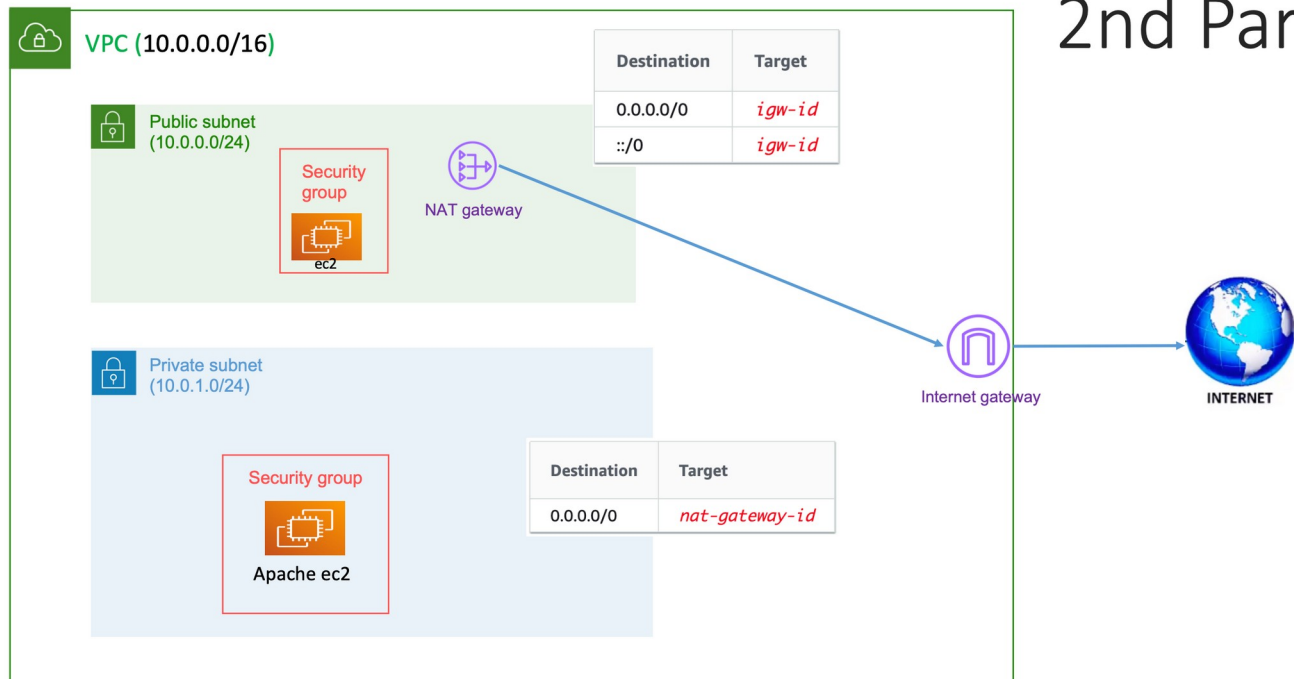


AWS LAB2 ITI – Intensive Training – DevOps – SV

Hadi Lotfy Al-Atally

2nd Part



```
AWS
AWS x Ansible x Centos 3666 x Ubuntu 3888 x Red 3777 x
$$ scp -i aws_key.pem aws_key.pemscp_copy ec2-user@107.22.74.106:/home/ec2-user
aws_key.pemscp_copy 100% 1674 8.0KB/s 00:00
$$ ssh -i "aws_key.pem" ec2-user@107.22.74.106
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
Last login: Wed May 10 14:26:50 2023 from 154.191.89.107
[ec2-user@ip-10-0-0-187 ~]$
[ec2-user@ip-10-0-0-187 ~]$ ssh -i "aws_key.pemscp_copy" ec2-user@10.0.21.77
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
Last login: Wed May 10 14:24:06 2023 from 10.0.0.187
[ec2-user@ip-10-0-21-77 ~]$
```

- > Copying the private key using scp from my pc to the public instance.
- > Connecting to the public instance then connecting to the private instance from there using the private IP address.

Required:

- Screenshot from the instance page demonstrate that the instance is private

The screenshot shows the AWS Management Console for the us-east-1 region. The 'Instances' page is active, displaying a list of two EC2 instances. The instance 'lab1,2_private_instance' (ID: i-0a2acae25eb46f076) is selected. The details panel for this instance shows the following networking information:

Instance: i-0a2acae25eb46f076 (lab1,2_private_instance)		
Networking details		
Public IPv4 address	Private IPv4 addresses	VPC ID
-	10.0.21.77	vpc-0172dbb5f5de3a922 (lab1,2_vpc)
Public IPv4 DNS	Private IP DNS name (IPv4 only)	
-	ip-10-0-21-77.ec2.internal	
Subnet ID	IPv6 addresses	Secondary private IPv4 addresses
subnet-08a781d5f679a8f54 (lab2_private_subnet)	-	-
Availability zone	Carrier IP addresses (ephemeral)	Outpost ID
us-east-1a	-	-
Use RBN as guest OS hostname	Answer RBN DNS hostname IPv4	
Disabled	Disabled	

No public ipv4 assigned, and subnet is “lab2_private_subnet”

- Screenshot from the logs of the instance demonstrate the apache2 Is installed

```

AWS
AWS x Ansible x Centos 3666 x Ubuntu 3888 x Red 3777 x
$$ #####
$$ ## SSH to the public instance
$$ #####
$$
$$ ssh -i "aws_key.pem" ec2-user@107.22.74.106
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
Last login: Wed May 10 15:04:03 2023 from 154.191.89.107
[ec2-user@ip-10-0-0-187 ~]$
[ec2-user@ip-10-0-0-187 ~]$ PS1='PUBLIC_EC2: '
PUBLIC_EC2:
PUBLIC_EC2: ## SSH to the private instance (from inside the public one)
PUBLIC_EC2: #####
PUBLIC_EC2:
PUBLIC_EC2: ssh -i "aws_key.pem_scp_copy" ec2-user@10.0.21.77
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
Last login: Wed May 10 15:04:11 2023 from 10.0.0.187
[ec2-user@ip-10-0-21-77 ~]$
[ec2-user@ip-10-0-21-77 ~]$ ## Install Apache Web Server
[ec2-user@ip-10-0-21-77 ~]$ sudo yum install httpd -y &> httpd_install_log_file
[ec2-user@ip-10-0-21-77 ~]$ sudo systemctl enable --now httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service → /usr/lib/sy
stemd/system/httpd.service.
[ec2-user@ip-10-0-21-77 ~]$ sudo systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: di
   Active: active (running) since Wed 2023-05-10 15:09:43 UTC; 9s ago
     Docs: man:httpd.service(8)
  Main PID: 11225 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served
      Tasks: 213 (limit: 5704)
     Memory: 23.4M
        CPU: 71ms
    CGroup: /system.slice/httpd.service
            └─11225 /usr/sbin/httpd -DFOREGROUND
[ec2-user@ip-10-0-21-77 ~]$ exit
logout
Connection to 10.0.21.77 closed.
PUBLIC_EC2: exit
logout
Connection to 107.22.74.106 closed.
$$

```

the httpd.service which is The Apache HTTP Server is Running as the green word says.