Lab_2

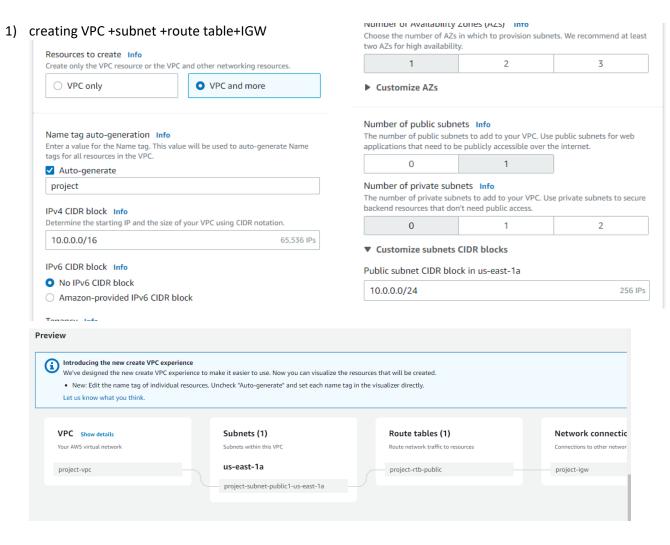
1st Part



Without SSH

Required:

Screenshot from the public ip and private ip of the instance and a screenshot from the logs of the instance to demonstrate the apache is installed



Create VPC workflow



Creating VPC Resources

Thank you for using the new create VPC experience. Let us k

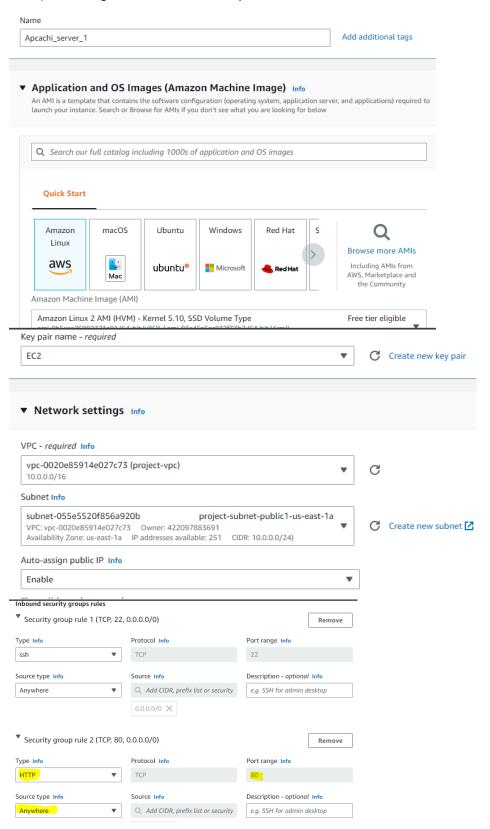
- **⊘** Success
- **▼** Details

 - ✓ Verifying VPC creation: vpc-0020e85914e027c73 🖸

 - Attach internet gateway to the VPC

 - Associate route table
 - ✓ Verifying route table creation

2) Creating EC2 attached to the vpc

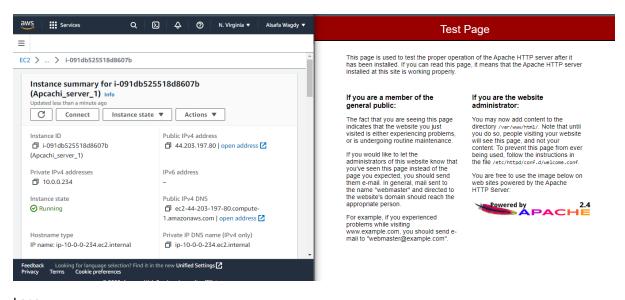


3) To install apachi without while creating Ec2

User data Info

```
#!/bin/bash
yum update -y
yum install -y httpd.x86_64
systemctl start httpd.service
systemctl enable httpd.service
```

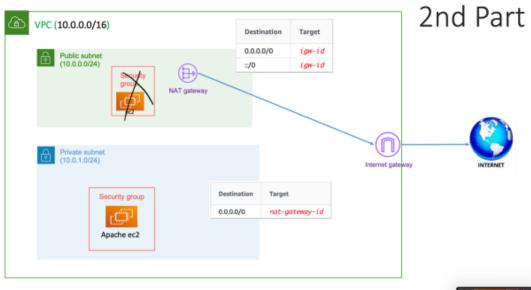
4)accesing Ec2



Logs:

```
27.979445] cloud-init[3241]: Verifying : mailcap-2.1.41-2.amzn2.noarch
27.994759] cloud-init[3241]: Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 28.024607] cloud-init[3241]: Verifying : httpd-filesystem-2.4.54-1.amzn2.noarch
                                                                                                                    7/9
                                                                                                                   8/9
28.122635] cloud-init[3241]: Verifying : apr-1.7.0-9.amzn2.x86_64
28.136596] cloud-init[3241]: Installed:
28.152556] cloud-init[3241]: httpd.x86_64 0:2.4.54-1.amzn2
28.156241] cloud-init[3241]: Dependency Installed:
28.168236] cloud-init[3241]: apr.x86_64 0:1.7.0-9.amzn2
28.180238] cloud-init[3241]: apr-util.x86_64 0:1.6.1-5.amzn2.0.2
28.192236] cloud-init[3241]: apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
28.208557] cloud-init[3241]: generic-logos-httpd.noarch 0:18.0.0-4.amzn2 28.216235] cloud-init[3241]: httpd-filesystem.noarch 0:2.4.54-1.amzn2
28.228261] cloud-init[3241]: httpd-tools.x86_64 0:2.4.54-1.amzn2
28.240813] cloud-init[3241]: mailcap.noarch 0:2.1.41-2.amzn2
28.252559] cloud-init[3241]: mod_http2.x86_64 0:1.15.19-1.amzn2.0.1
28.771341] xfs filesystem being remounted at /tmp supports timestamps until 2038 (0x7fffffff)
28.277177] cloud-init[3241]: Complete!
28.791092] xfs filesystem being remounted at /var/tmp supports timestamps until 2038 (0x7fffffff)
28.370645] cloud-init[3241]: Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.servi
```

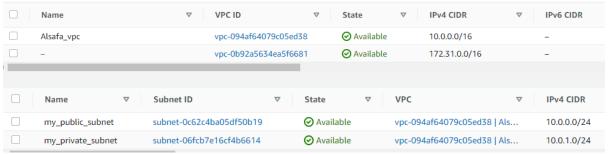




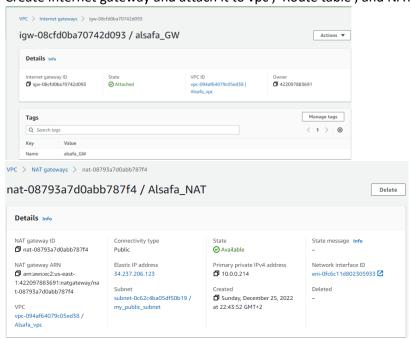
Required:

Screenshot from the instance page demonstrate that the instance is private and a screenshot from the logs of the instance demonstrate the apache2 Is installed (you don't need to do the public ec2 so I made a mark on it)

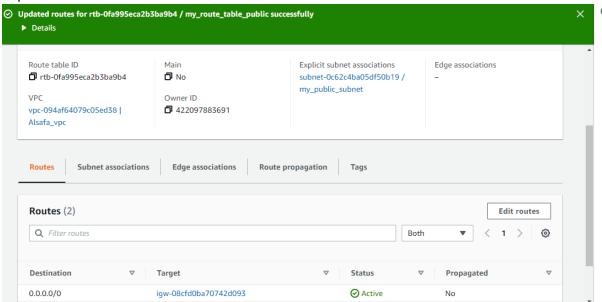
1) Create vpc , public subnet and private subnet:



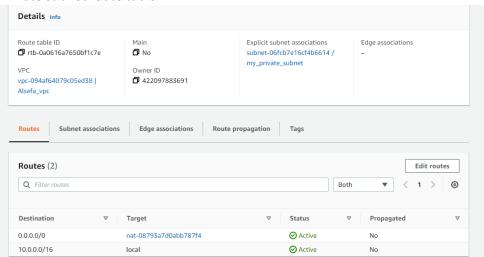
2) Create Internet gateway and attach it to vpc, Route table, and NAT gateway



Puplic subnet route table:



Private subnet route table:



3) Create instance in private subnet

