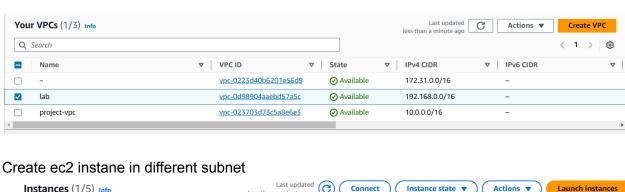
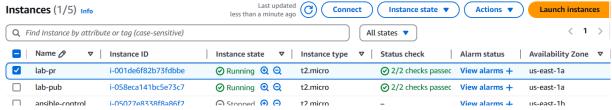
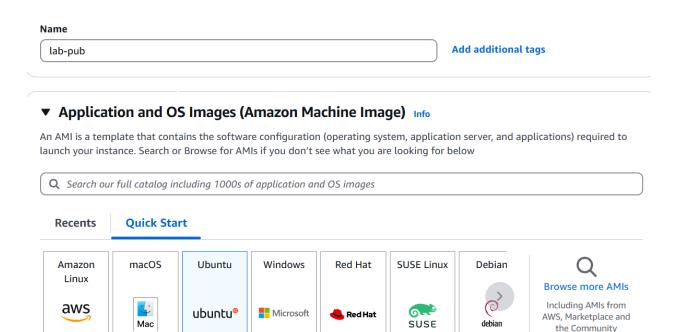
lab 13: Launching an EC2 Instance

• Objective: Create a VPC with public and private subnets and 1 EC2 in each subnet, configure private EC2 security group to only allow inbound SSH from public EC2 IP, SSH to the private instance using bastion host.

Create vpc







Amazon Machine Image (AMI)

Move private-key on local to public ec2 its use to connect in private ec2

Connect from local to public ec2

```
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
https://ubuntu.com/pro

System load: 0.16 Processes: 105
Usage of /: 23.0% of 6.71GB Users logged in: 0
Memory usage: 19% IPv4 address for enX0: 192.168.1.20
```

Use command to define private-key to ec2 public

```
ibuntu@ip-192-168-1-20:~$ ssh-add ahmed.pem
identity added: ahmed.pem (ahmed.pem)
ibuntu@ip-192-168-1-20:~$ ssh -A ubuntu@192.168.2.222
The authenticity of host '192.168.2.222 (192.168.2.222)' can't be established.
iD25519 key fingerprint is SHA256:Pu8t4L21RxyufuF4z+b1s/P2Rh1mB7SuRQB0Kf5G89U.
This key is not known by any other names.
```

Connect from public ec2 to private ec2

ubuntu@ip-192-168-1-20:~\$ ssh ubuntu@i92.168.2.222 Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1016-aws x86_64)

* Documentation: https://help.ubuntu.com/
* Management: https://landscape.canonical.com/
* Support: https://ubuntu.com/pro

System information as of Thu Dec 5 16:04:39 UTC 2024

 System load:
 0.0
 Processes:
 105

 Usage of /:
 23.0% of 6.71GB
 Users logged in:
 0

 Memory usage:
 20%
 IPv4 address for enX0:
 192.168.2.222

 Swap usage:
 0%

Expanded Security Maintenance for Applications is not enabled.