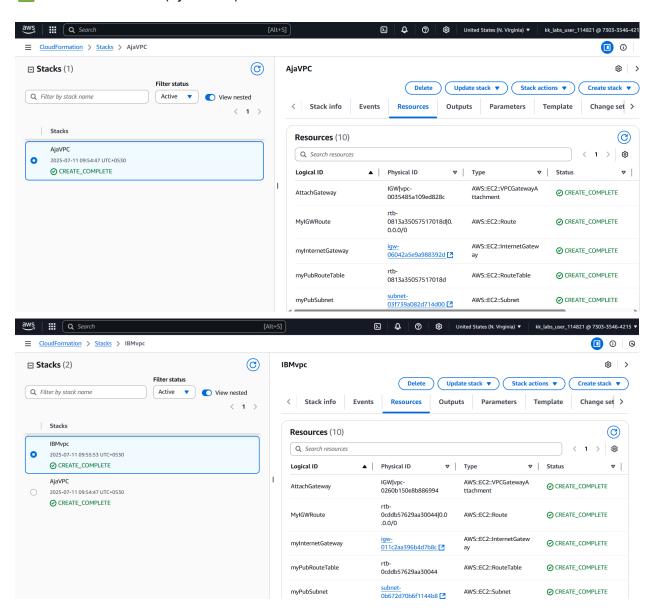
✓ Successfully Deployed Multi-VPC AWS Infrastructure with CloudFormation & VPC Peering! → ⊕

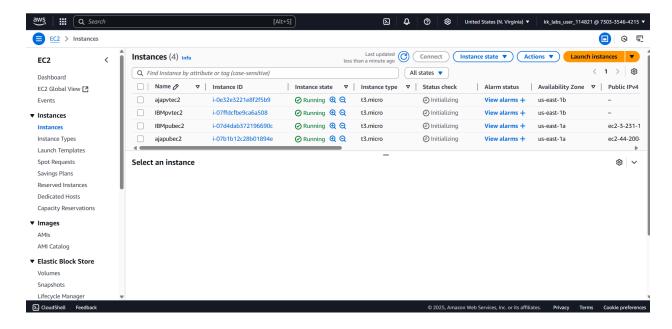
I recently completed an **end-to-end AWS VPC and EC2 infrastructure setup** for two isolated environments—**Aja** and **IBM**—with secure inter-VPC communication using **VPC Peering**. This project automated most of the provisioning using **CloudFormation templates**, enabling scalable and repeatable infrastructure.

Key Highlights:

Created two VPCs (Aja & IBM)

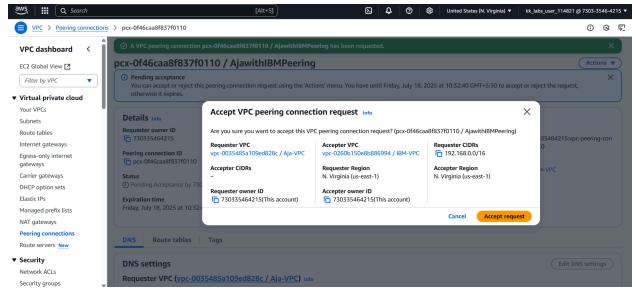


Launched EC2 instances (public & private) in both VPCs

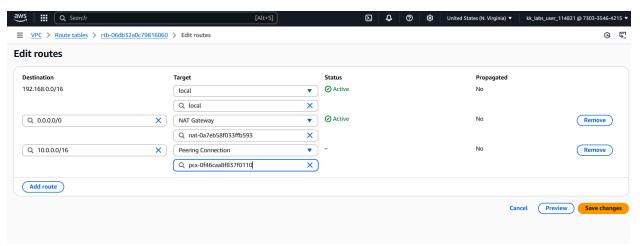


✓ Configured SSH bastion access for private EC2s

Established VPC Peering for seamless cross-VPC private communication



✓ Route tables updated to allow internal traffic across peered VPCs



☑ Demonstrated file transfer between private EC2 instances in different VPCs—completely

Private!

```
ubuntu@ajapvt:~$ ls
ajanibmec2.pem
ubuntu@ajapvt:~$ touch peering.txt
ubuntu@ajapvt:~$ ls
ajanibmec2.pem peering.txt
ubuntu@ajapvt:~$ scp -i ajanibmec2.pem peering.txt ubuntu@10.0.21.201:~
The authenticity of host '10.0.21.201 (10.0.21.201)' can't be established.
ED25519 key fingerprint is SHA256:WRir9OKU2VvdNsS6yPwOHTuf89d/n1gB/jH1sM150a8.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.21.201' (ED25519) to the list of known hosts.
peering.txt
ubuntu@ajapvt:~$

100% 0 0.0KB/s 00:00
ubuntu@ajapvt:~$
```

```
ubuntu@IBMpvt:~$ ls
peering.txt
ubuntu@IBMpvt:~$
```

All steps were meticulously scripted using **YAML-based CloudFormation**—ensuring automation, security, and scalability.

This setup is ideal for **multi-environment architectures** (e.g., Dev/Prod or Partner Integrations) needing isolated control and secure connectivity.