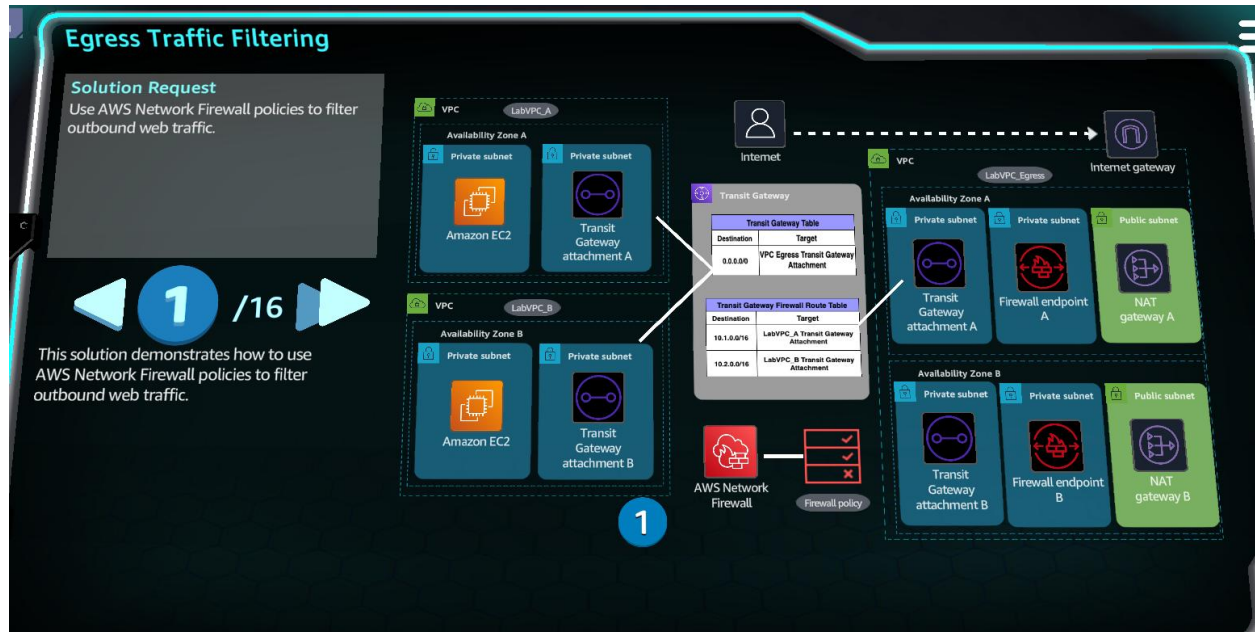
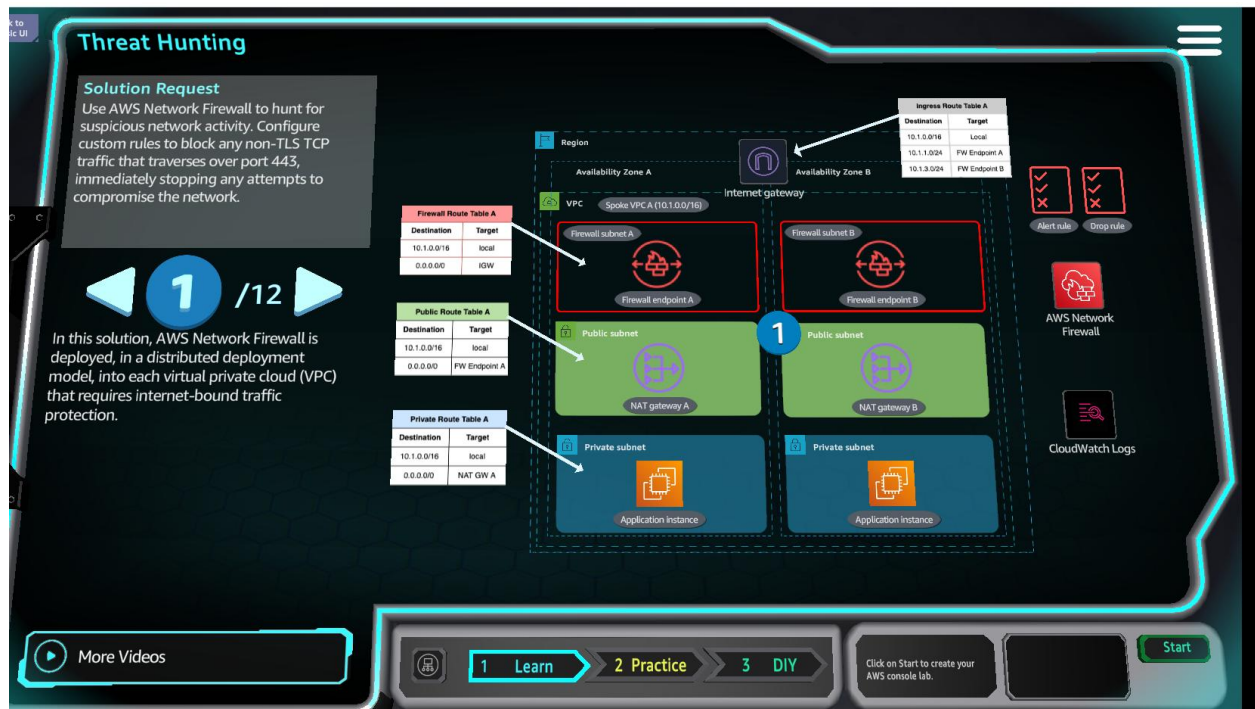


## VPC IDEAS

The below VPC architecture is in same region and account



The below VPC architecture is for VPC network firewall



## Resolve VPC Routing Conflicts

**Solution Request**  
Validate VPC peering and routing. Check the database server operation and traffic allowances. Confirm accurate ALB traffic routing. Ensure operational web servers with database connectivity.

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This solution covers various troubleshooting strategies to address the issue of a three-tier application that generates a 503 error when accessed through an Application Load Balancer on AWS. The solution investigates potential routing conflicts arising from virtual private cloud (VPC) peering, aimed at restoring complete functionality to the application.

1 Learn 2 Practice 3 DIY

Provisioning AWS Lab  
Your AWS environment is being provisioned

01:25

Open End

## Automate Inter-Region Peering

**Solution Request**  
Automate the process of configuring inter-Region transit gateway peering to establish connections between transit gateways in different AWS Regions. Use an AWS Step Functions state machine, which uses AWS Lambda, to create a peering connection.

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The user reviews and verifies that the route table associations and transit gateway attachments are set up correctly so that traffic can be routed between VPCs in two Regions.

1 Learn 2 Practice 3 DIY

AWS Lab Ready  
Click on Open to open AWS Console

02:42:15

Open End

Add Network firewall

Inter-region VPC Peering

Cross-Account VPC Peering(<https://aws.amazon.com/premiumsupport/knowledge-center/cloudformation-vpc-peering-error/>)

## DNS Firewall