Lab 4:

Set up VPC Peering b/w VPCs in the same Region

10.100.0.0/16   **10.101.0.0/16**

VPC
Peering

us-east-1a   us-east-1b

10.100.1.130   10.101.1.150

VPC subnet
10.100.1.0/24

VPC subnet
10.101.1.0/24

Availability Zone   Availability Zone

1

Lab Scenario 1

Set up VPC Peering b/w VPCs in the different Regions

10.200.0.0/16   **10.201.0.0/16**

VPC
Peering

10.200.1.130   10.201.1.150

VPC subnet
10.200.1.0/24

VPC subnet
10.201.1.0/24

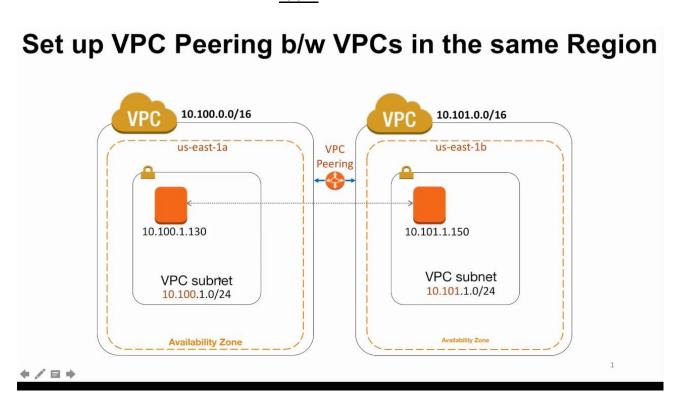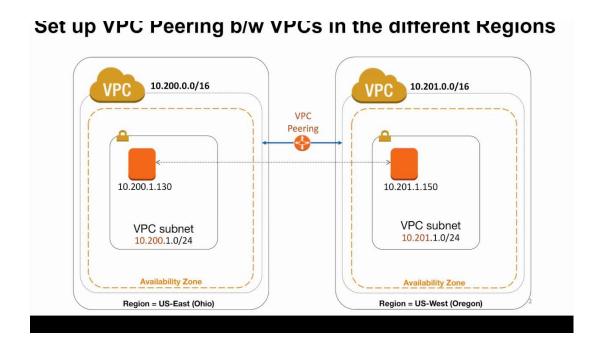Availability Zone   Availability Zone

Region = US-East (Ohio)   Region = US-West (Oregon)   2

Lab Scenario 2

Lab Activities

Task 1: Create 2 VPC in a two Availability Zone at one region.

Task 2: Launch two different EC2 window/Linux servers each VPC and Communicate them.

Task 3: Create 2 VPC in two different Availability Zone at Different regions.

Task 4: Launch two different EC2 window/Linux servers in each VPC and Communicate them.

Task 5: Check the working of Each VPC by sending ping message using cmd.

Task 6: Applying high availability and security concerns.

Task 7: Take the snapshots of all performed tasks and create a doc/pdf of your **enrolment number_lab04**(Ex: E18CSE072_Lab04) and upload the file on LMS.

Additional Web Help:

1. https://aws.amazon.com/about-aws/whats-new/2018/02/inter-region-vpc-peering-is-now-available-in-nine-additional-aws-regions/

2. https://docs.aws.amazon.com/vpc/latest/peering/peering-scenarios.html

3. YouTube video Link:

https://www.youtube.com/watch?v=_LR1RUKe91g&ab_channel=KnowledgeIndiaAWSAzureTutorials