

Module 4 - Assignment

Problem Statement:

You work for XYZ Corporation, and based on the expansion requirements of your company, you have been asked to create and setup distinct Amazon VPCs for production and development teams.

You are expected to perform the following tasks for the respective VPCs:

For the production network:

1. Design and build a four-tier architecture
2. Create five subnets. Among them, four should be private with names app1, app2, dbcache, and db, and the fifth one should be public with the name web
3. Launch instances in all subnets, and name them as per the subnet as they are launched in
4. Allow the dbcache instance and the app1 subnet to send Internet requests
5. Manage security groups and NACLs
6. Create a VPC Endpoint for the S3 service, and access the objects in any bucket from within the VPC

For the development network:

1. Design and build a two-tier architecture with two subnets named web and db, and launch instances in both subnets, naming them as per the subnet names
 2. Make sure that only web subnet can send Internet requests
 3. Create a peering connection between the production network and the development network
 4. Setup a connection between the db subnets of both the production network and the development network, respectively
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