**Week 3 – Lab 2: Build your VPC and Launch a Web Server**

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**Date:**

**Task 1: Create Your VPC**

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Figure 1: Begin creating VPC instance.

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Figure 2: Configure setting for VPC – VPC and more + Change name project to lab

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Figure 3: Configure AZs and customize AZs

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Figure 4: Configure subnets CIDR blocks, NAT Gateways, VPC Endpoints, and DNS hostname + resolution.

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Figure 5: Create VPC

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Figure 6: View VPC after created.

**Task 2: Create Additional Subnets**

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Figure 7: Create second public subnet.

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Figure 8: Create third private subnet.

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Figure 9: Update private subnet association.

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Figure 10: Update public subnet association.

**Task 3: Create a VPC Security Group**

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Figure 11: Create new security group with basic detail.

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Figure 12: Configure Inbound Rules of new security group.

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Figure 13: Create Security group.

**Task 4: Launch a Web Server Instance**

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Figure 14: Configure name for EC2 instance

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Figure 15: Configure OS for the instance

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Figure 16: Configure instance type and key pair for instance

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Figure 17: Configure Network setting for instance.

Figure 18: Configure advanced detail and insert code

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Figure 19: Successfully start the instance

Screens screenshot of a computer

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Figure 20: Test connection to instance

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Figure 28: Lab submission report

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Figure 29: Lab score after submission.