Wk3: ACF Lab 2: Build a VPC and launch a Web Server

**COS20019: Cloud Computing Architecture**

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**Task 1: Create Your VPC**

1. Go to VPC serviceA screenshot of a computer

   Description automatically generated
2. Entering “create VPC” A screenshot of a computer

   Description automatically generated
3. Some settings for the current labA screenshot of a computer

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   Description automatically generated
4. Preview for the VPCA screenshot of a computer

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5. All the process of creating VPC A screenshot of a computer

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**Task 2: Create Additional Subnets**

1. Create second subnetsA screenshot of a computer

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2. Setting for creating subnetA screenshot of a computer

   Description automatically generated
3. Follow the instructions to select the item in the route table A screenshot of a computer

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4. The traffic destined for the internet (0.0.0/0) will be sent to the NAT gateway then it will forward the traffic to the internet. A screenshot of a computer

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5. Because I have subnet private 1 so after creating another private subnet, this one will associate with this route table. A screenshot of a computer

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6. Following the instructionsA screenshot of a computer

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7. Following the instructions for edit the lab-rtb-public A screenshot of a computer

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**Task 3: Create a VPC security group**

1. Configure security group A screenshot of a computer

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2. Configure EC2 – key pair : this help to connect the instance via SSH after it has launched. A screenshot of a computer

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3. Configure EC2 – network settings A screenshot of a computer

   Description automatically generated
4. Configure EC2 – advanced details – this script will root the user permissions on the guest OS of the instance. The script installs a web server, a database and PHp libraries then it downloads and install PHP web application on the web server.A screenshot of a computer

   Description automatically generated with medium confidence
5. Get the IP and paste it into the browserA screenshot of a computer

   Description automatically generated
6. The result : A screenshot of a computer

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