**Lab4**

**Task 1: Run 2 web servers behind ALB**

Step1: Created two EC2 instance Server

1. In Networking Settings, select two different AZ for each EC2 Server
2. Create a security group(firewall) and allow HTTP type with TCP protocol and 80 port.
3. Add user data so that EC2 server start automatically

#!/bin/bash

yum install -y httpd

systemctl start httpd

systemctl enable httpd

echo “<h1> Hello from omkar $(hostname -f)</h1>” >/var/www/html/index.html

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1. Create Security group for ALB

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Step3: Create Target group:

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Step 4: create ALB:

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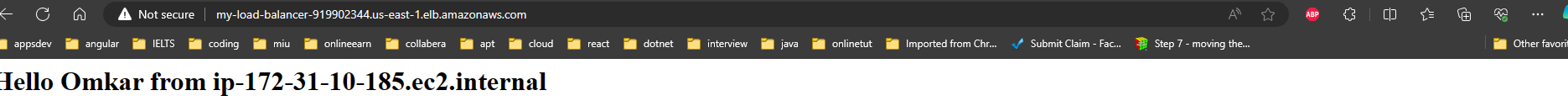
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Step5: Loadbalancer DNS:

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When one EC2 server is Unhealthy: The load balance redirect to another healthy server.



**Task: 2 Run Web server behind NLB**

Step1: Follow the same step as above except NLB and Target Group, In target group, select TCP protocol instead of HTTP.

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Step2: NLB

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**Task 3:Auto Scaling Group:**

Step 1: create Launch template

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Step 2: Create auto scaling group:

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Target group created:

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Load Balancer created:

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Response from Load Balancer:

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