Submission File

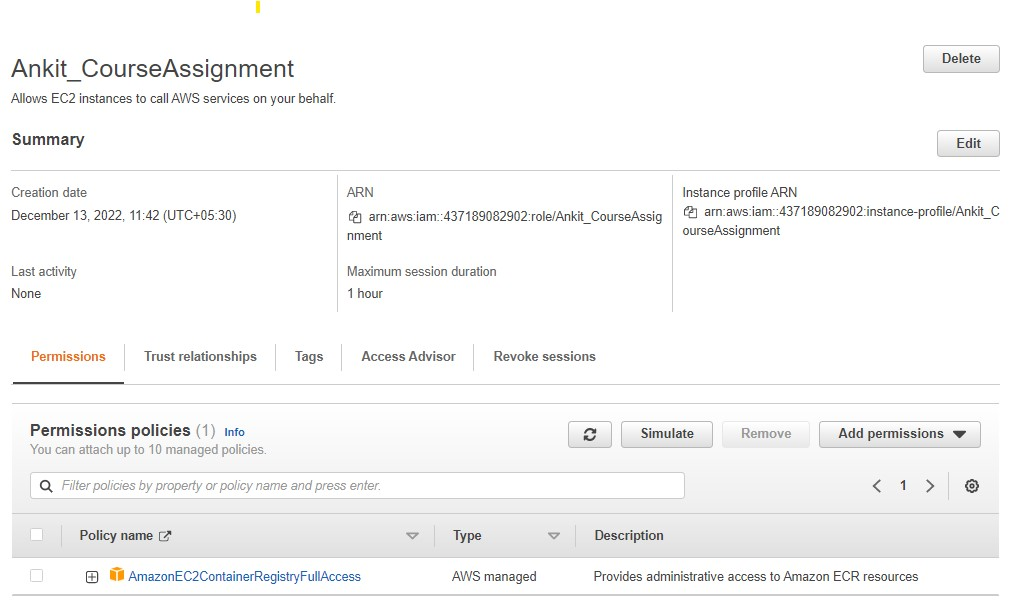
**Name: Ankit Tiwari**

**Submission Date: 19/12/2022**

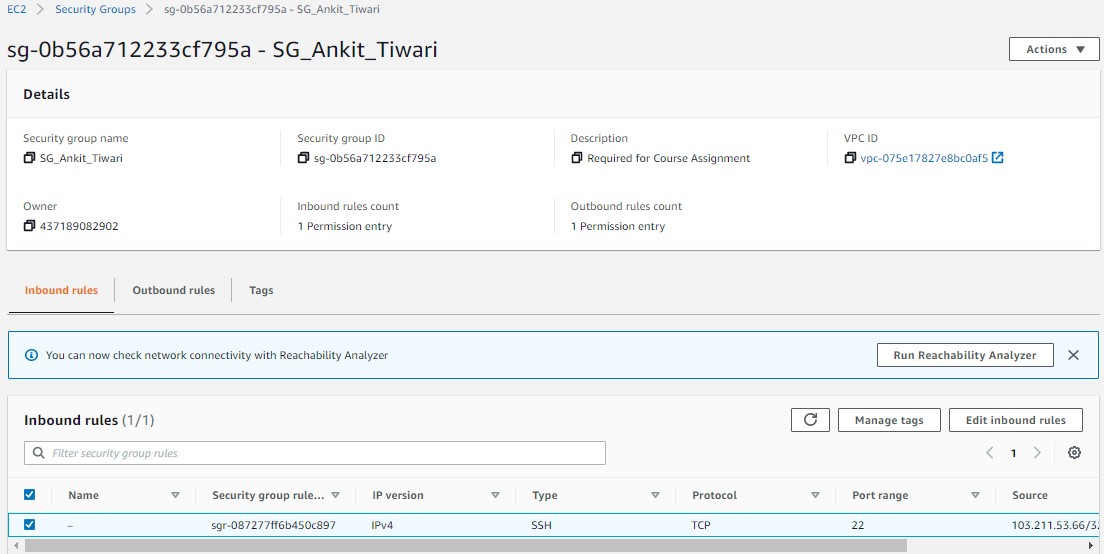
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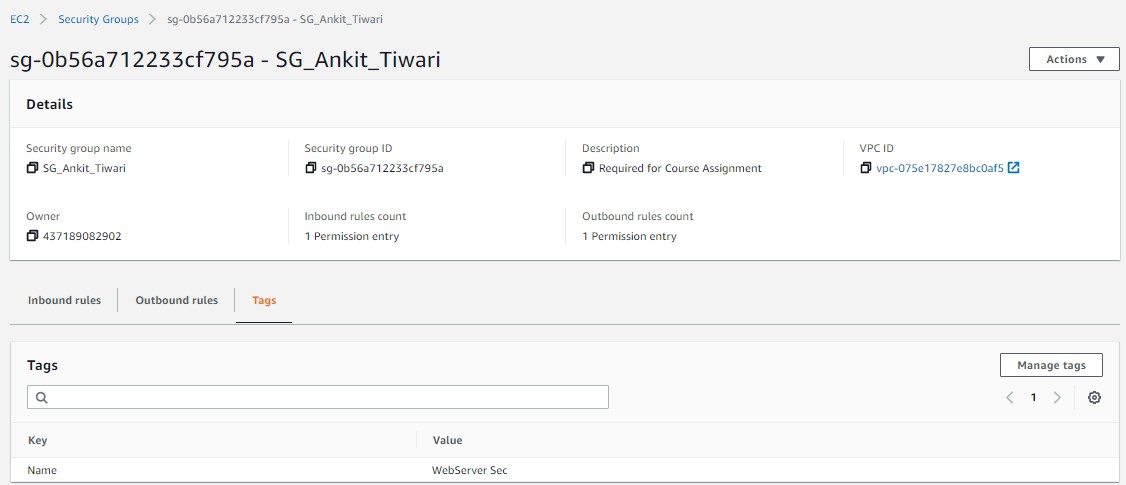
**Additional Comments**

**Task 1:**

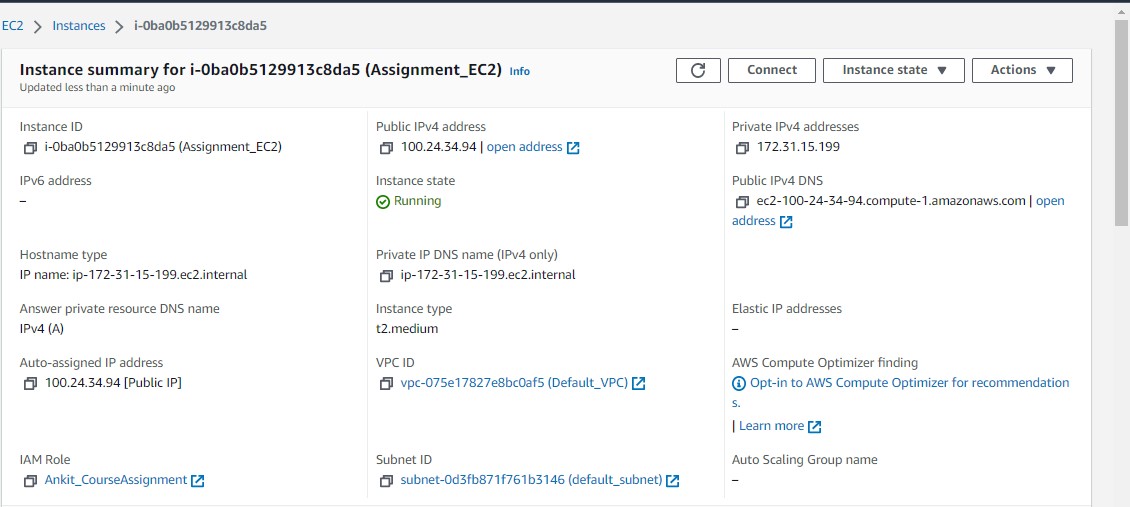
**IAM Role:  
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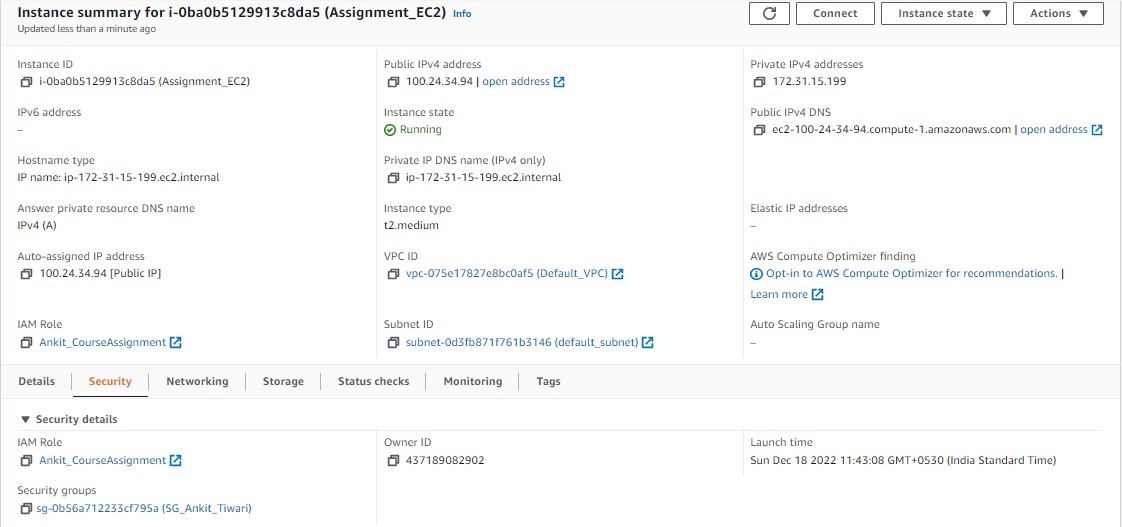
**Security Group:**

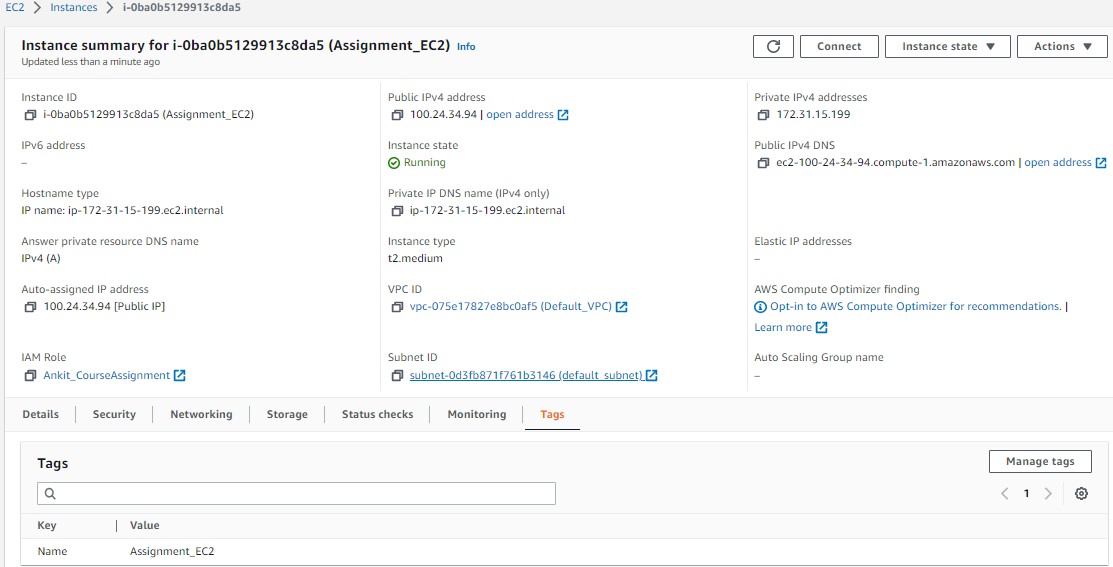
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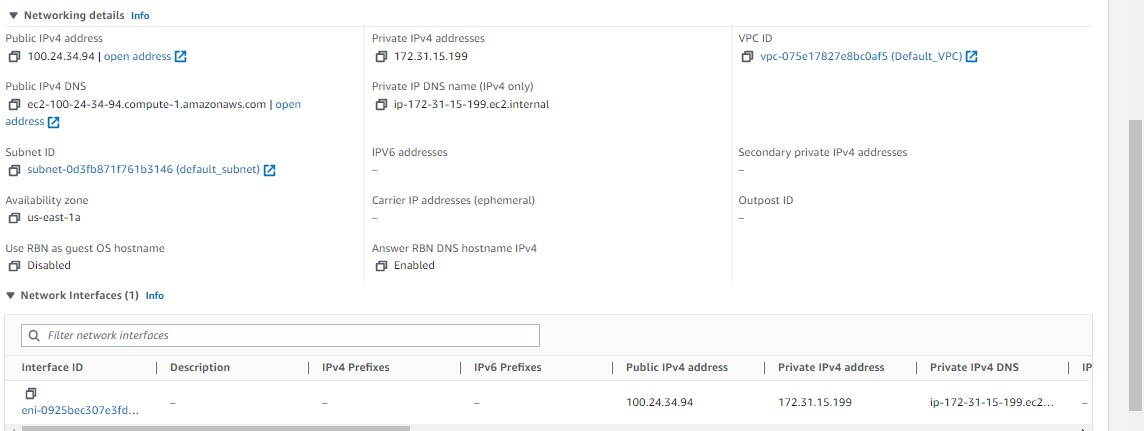
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**EC2:**

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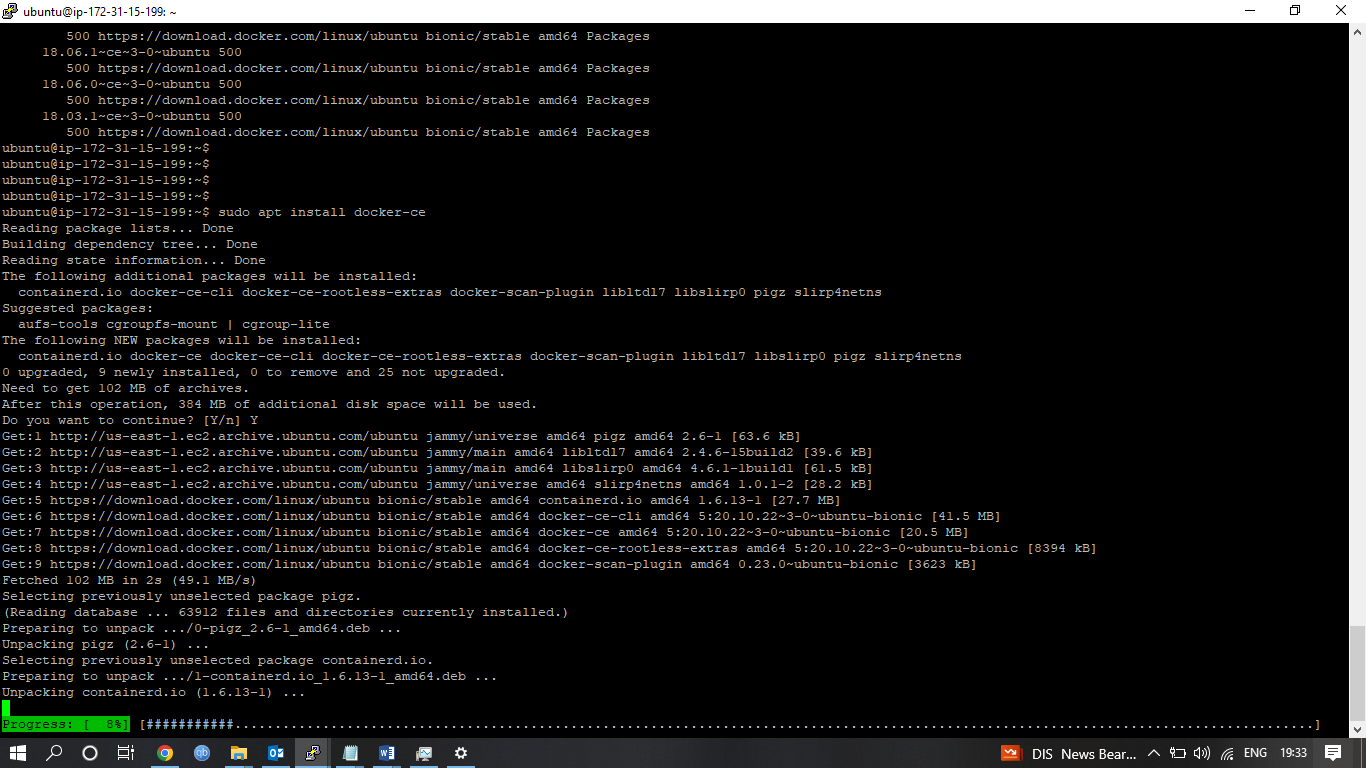
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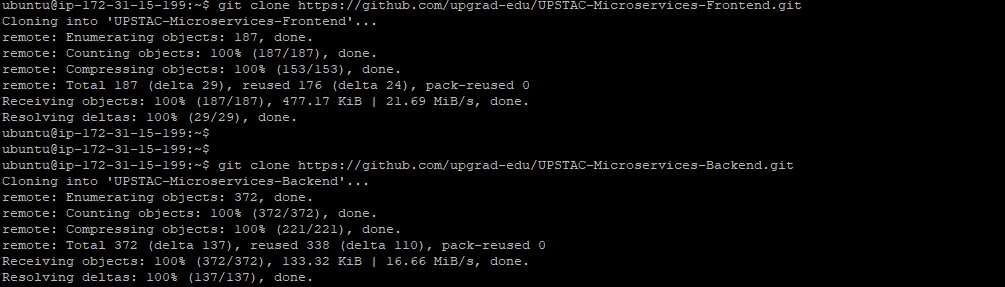
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**Task 2:**

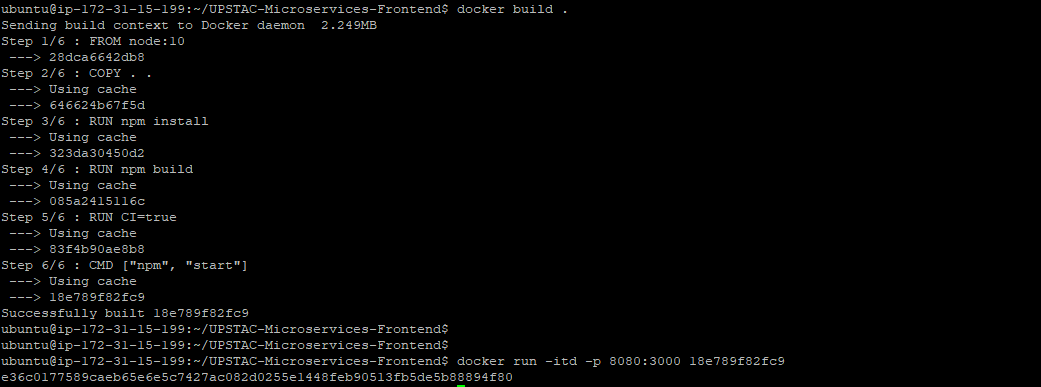
**Docker Install Steps:**

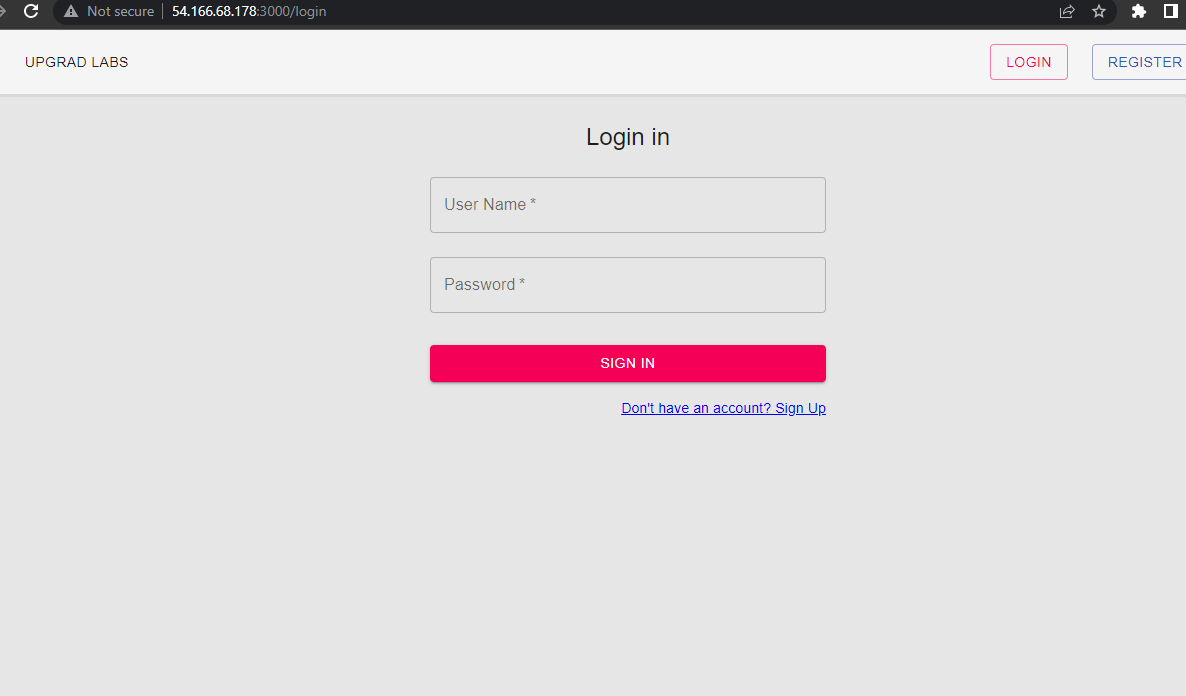


**Git Clone:**

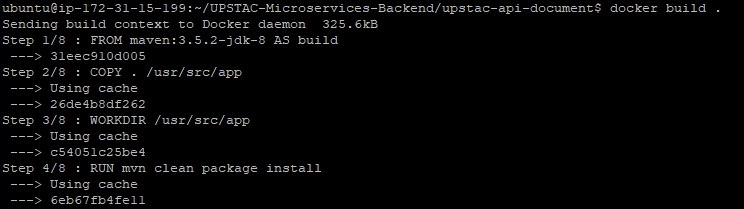


**Dockerfile-Frontend:**

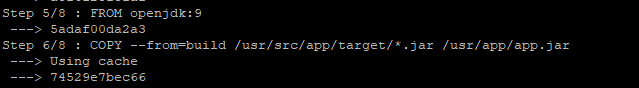


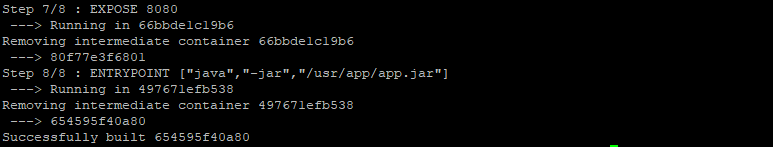
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**Dockerfile-Backend:**

**Document:  
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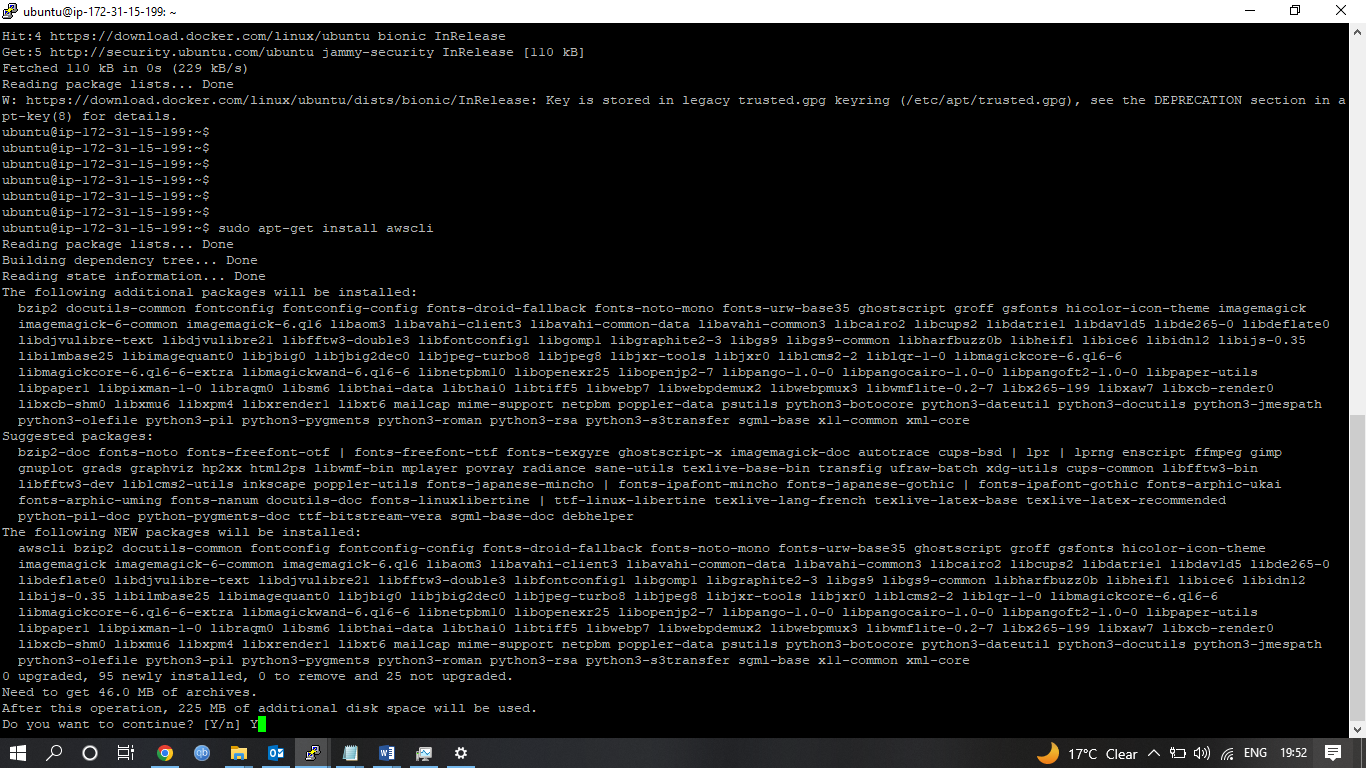
**Master:**

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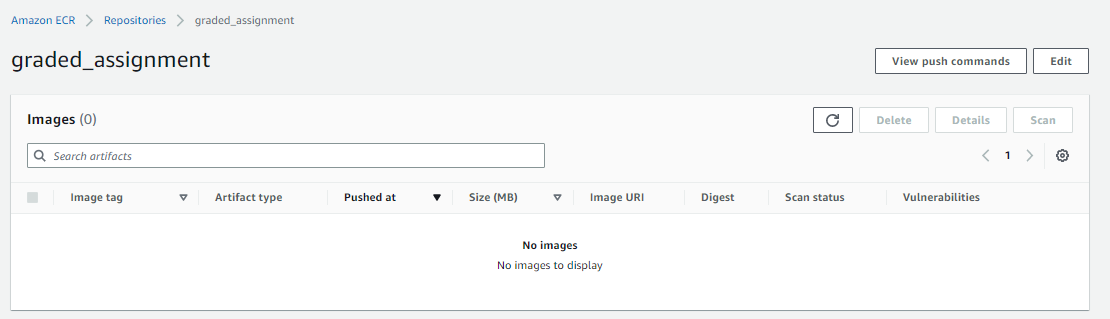
**Registry:  
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**Task 3:**

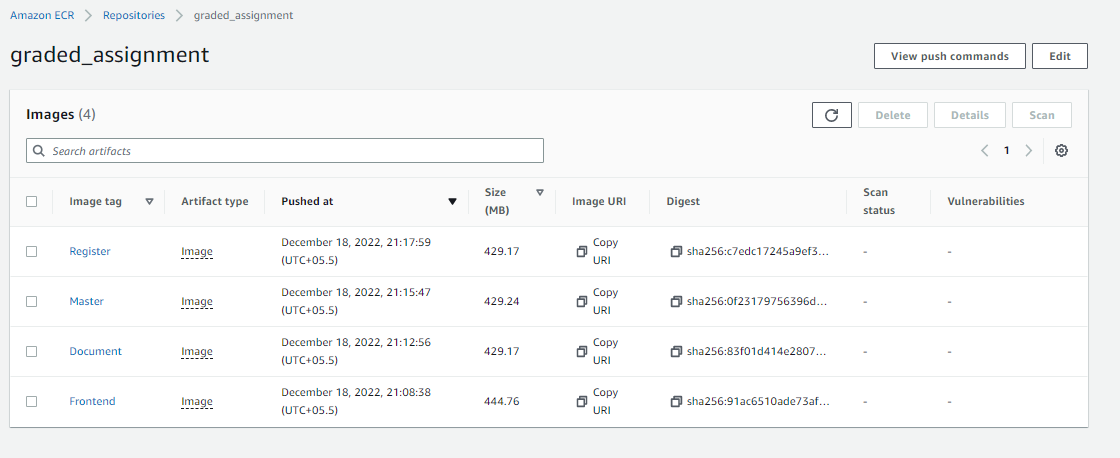
**AWS CLI**



**ECR Repo:**

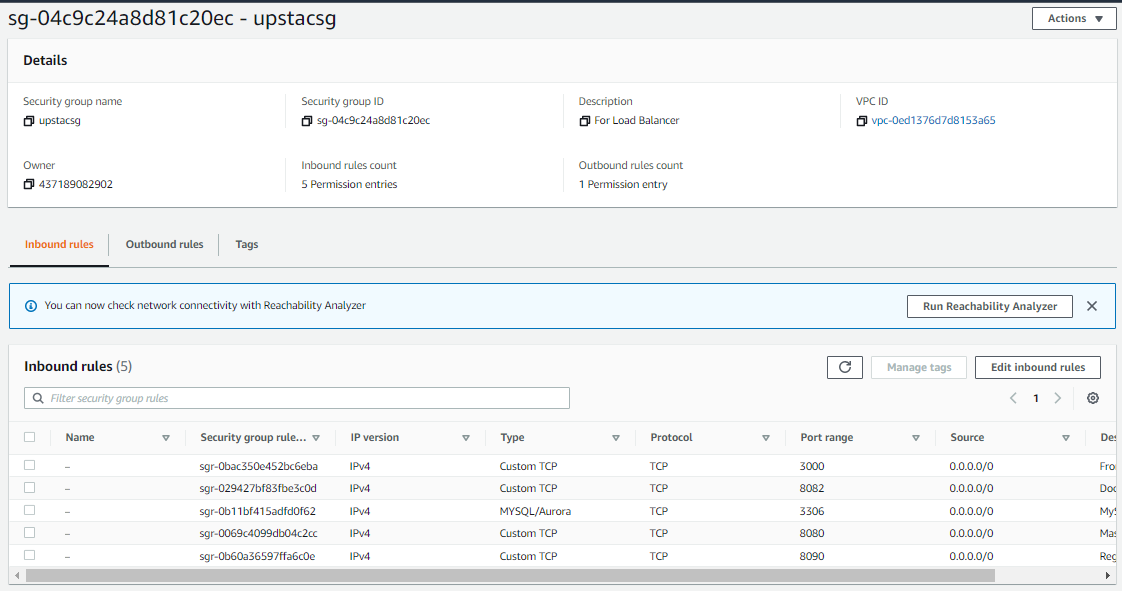


**Push Image to ECR:**

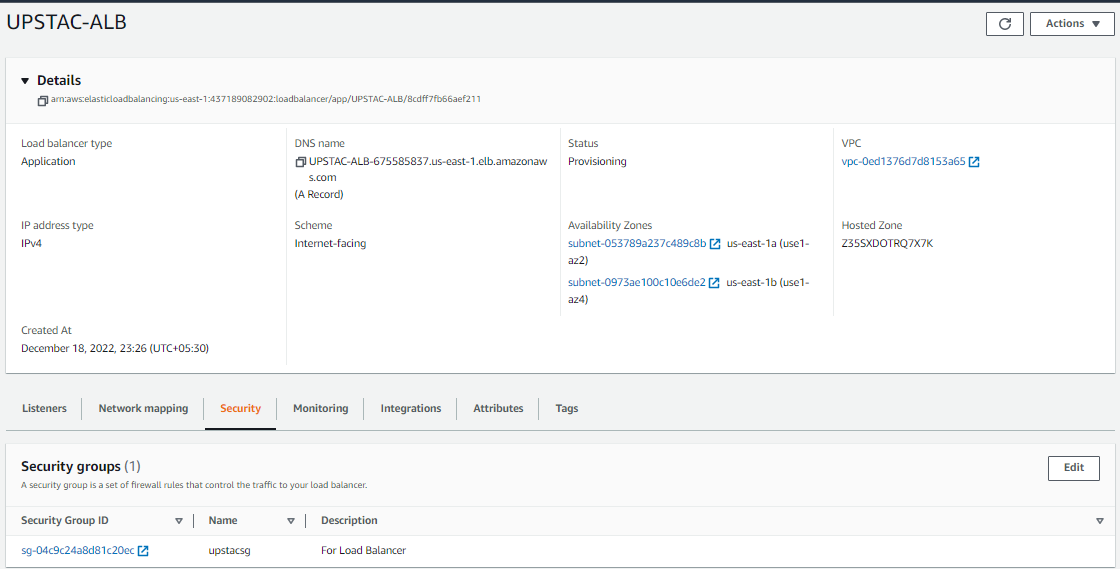


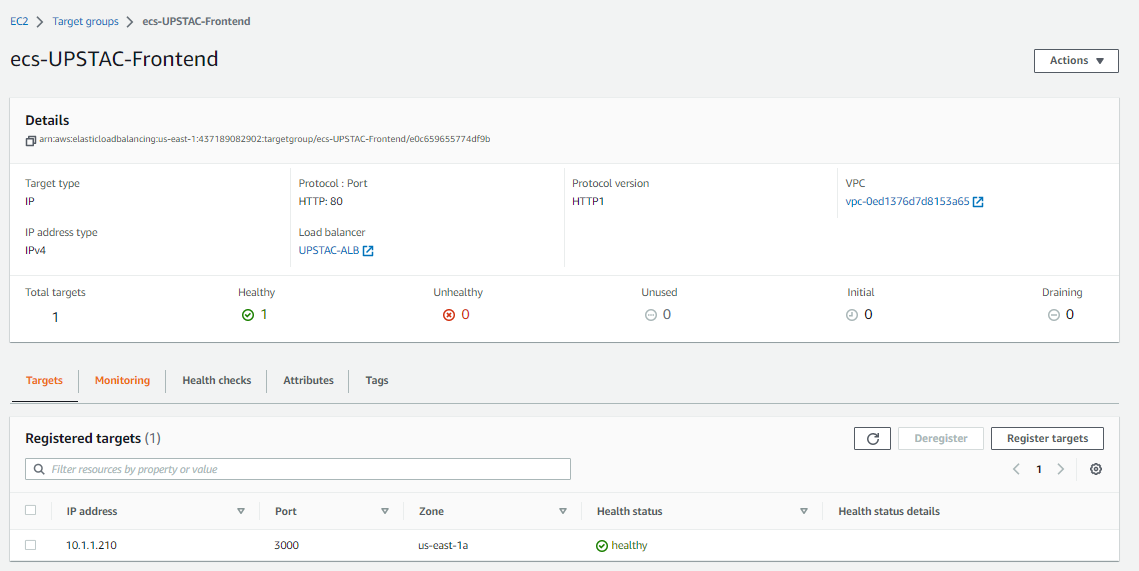
**Task 4:**

**Security Group LB:**

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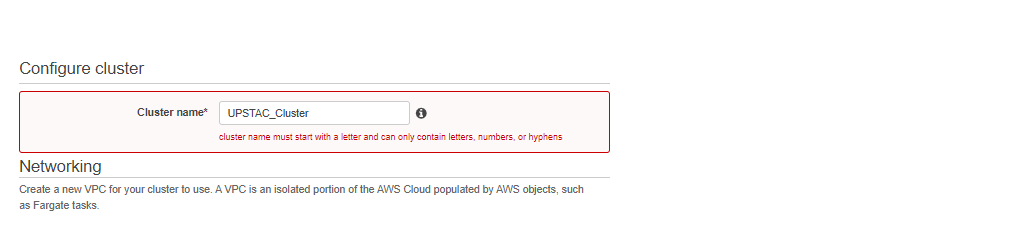
**LoadBalancer Details:**

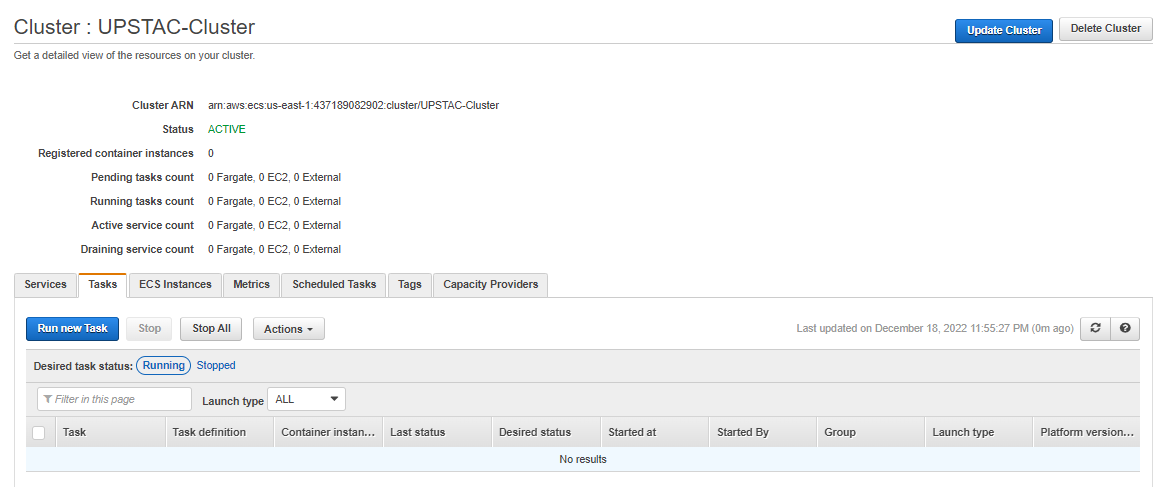
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**Target Group:  
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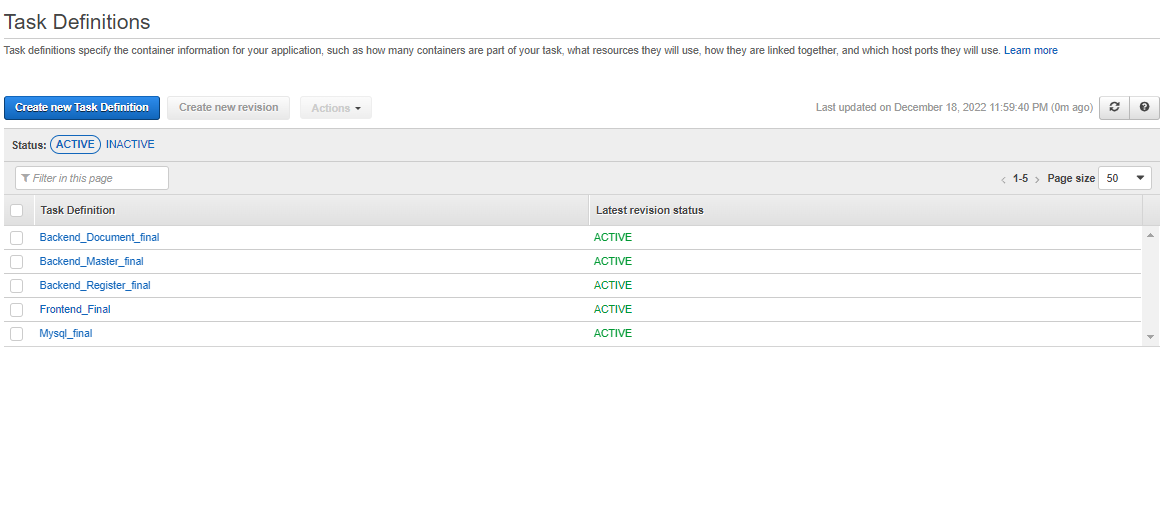
**Task 5:**

**Cluster Creation:**

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**ECS Configuration:**

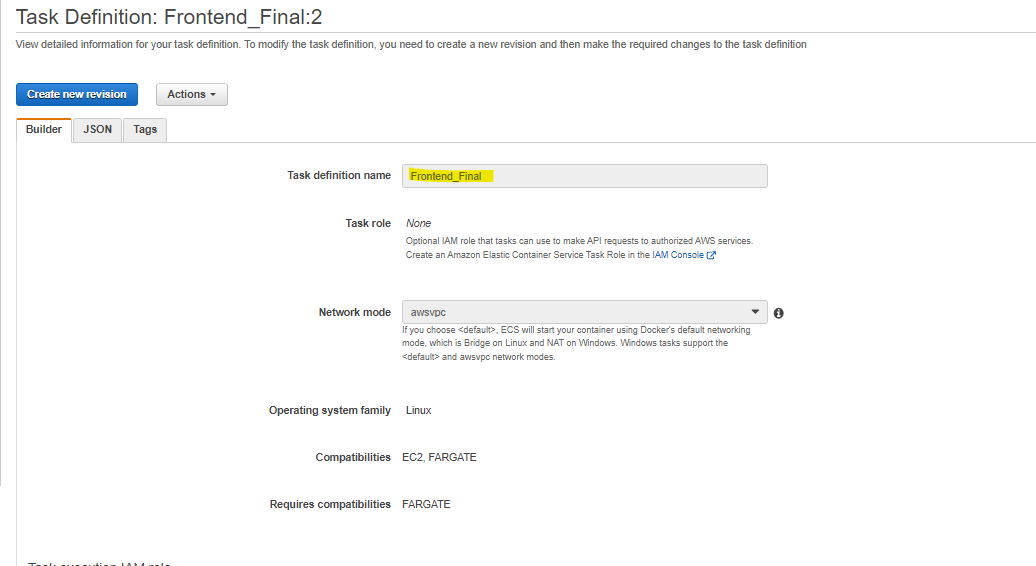
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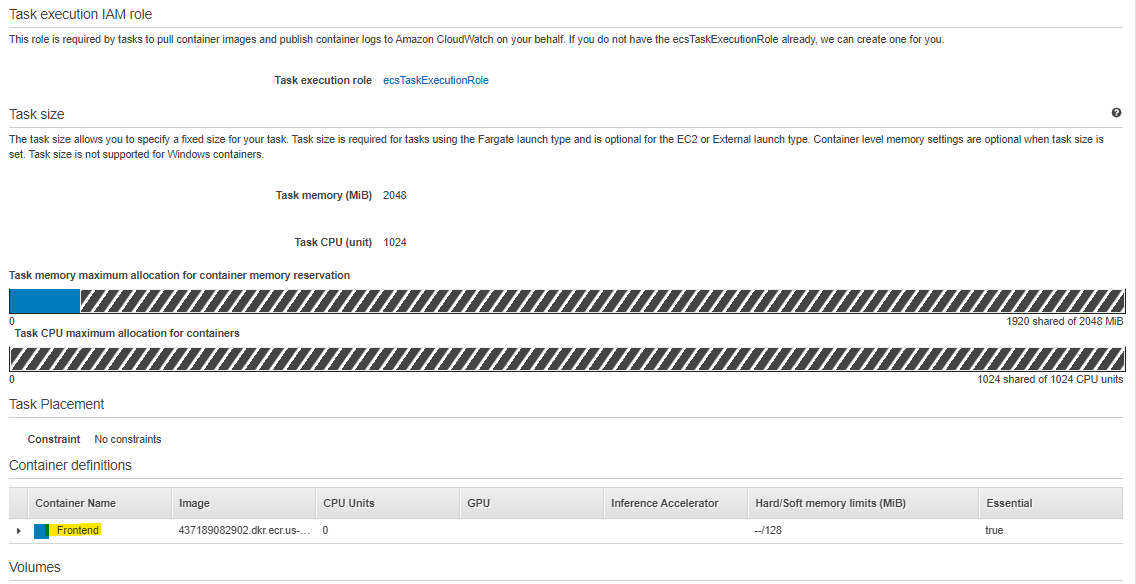
**Env. Variables:**

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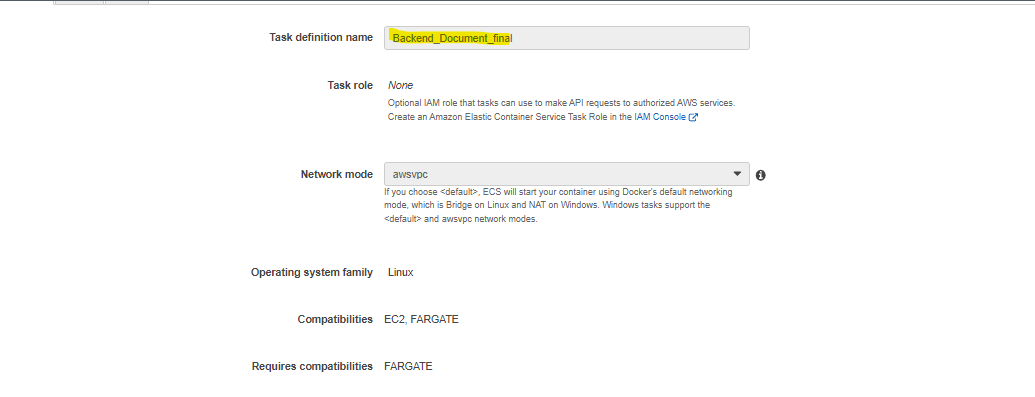
**Task Definition:**

**Frontend:**

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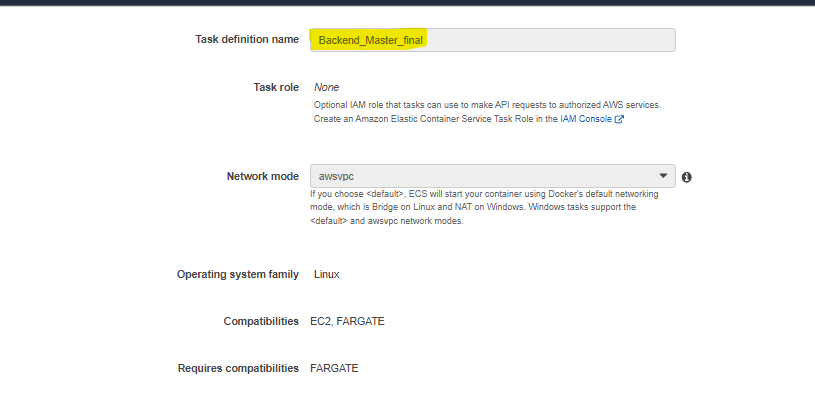
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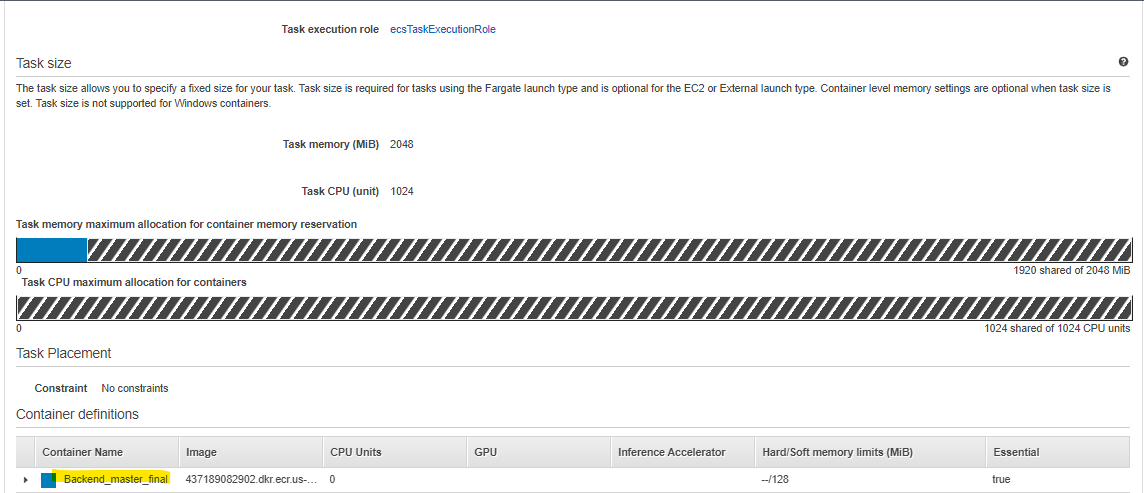
**Backend Document:**

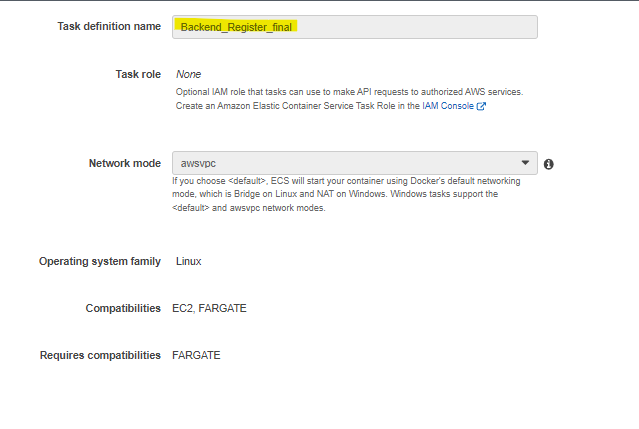
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**Backend Master:**

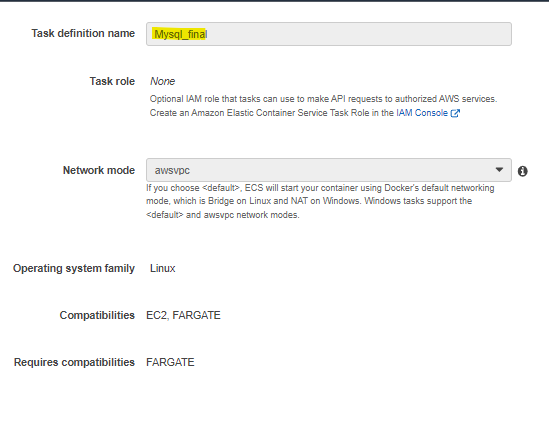
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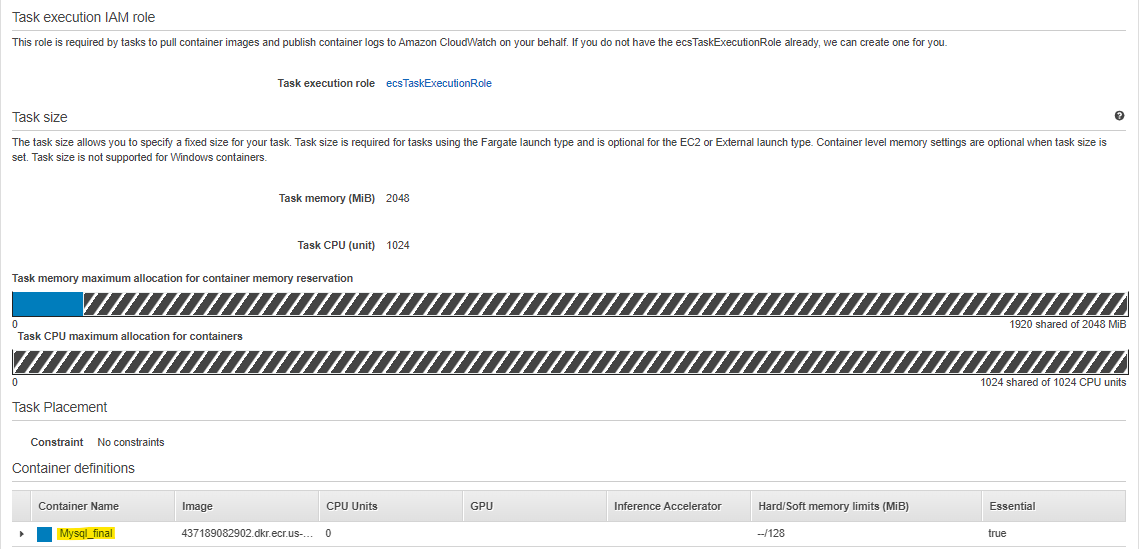
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**Backend Register:**

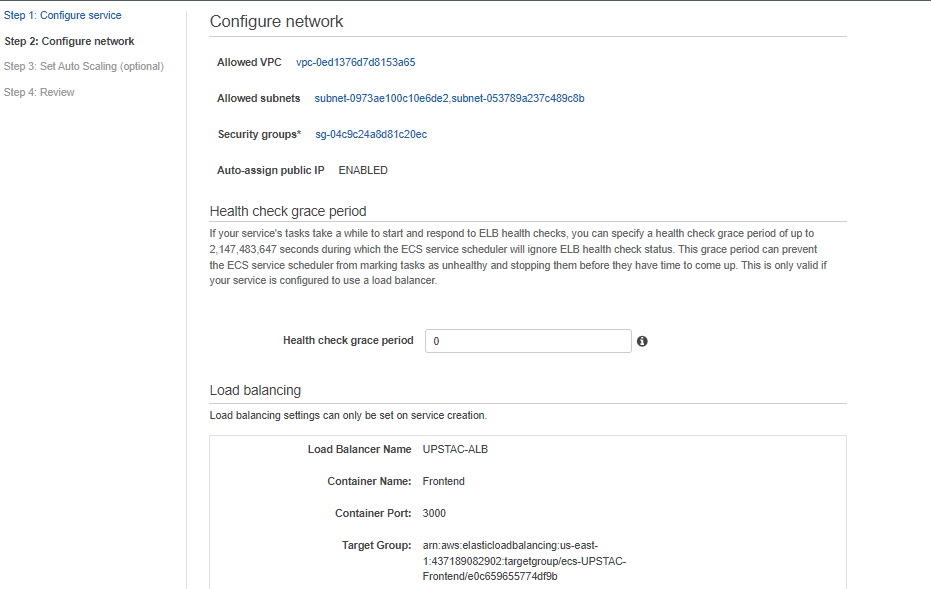
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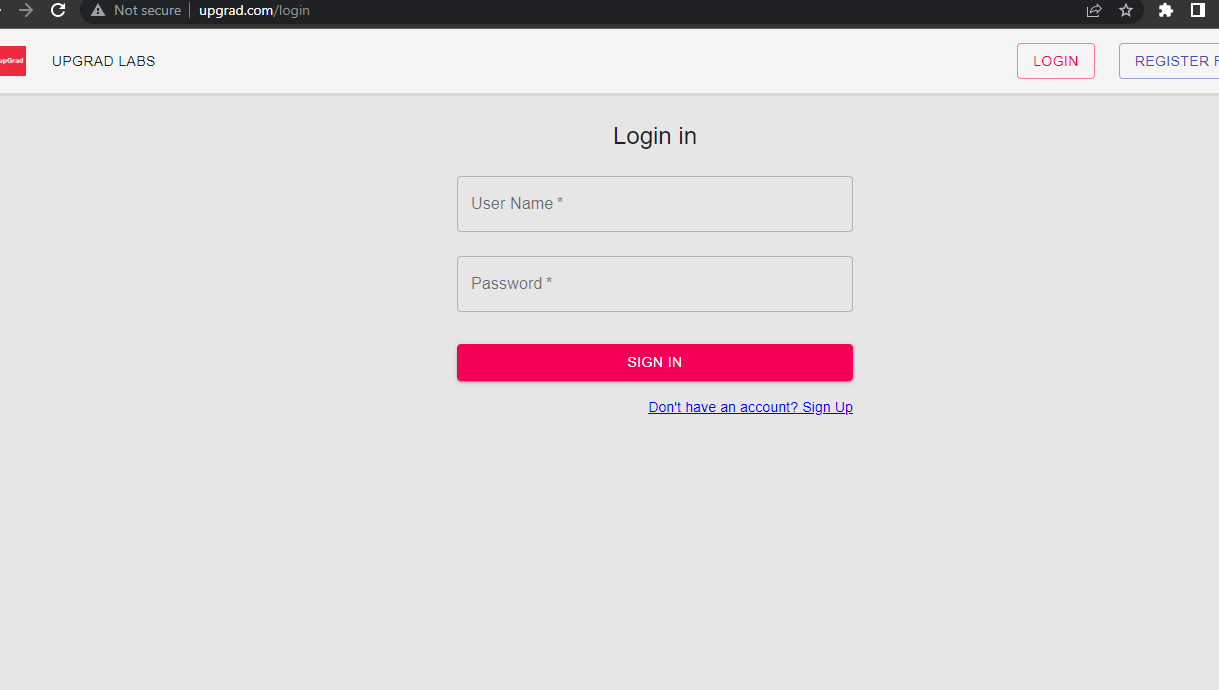
**Mysql:**

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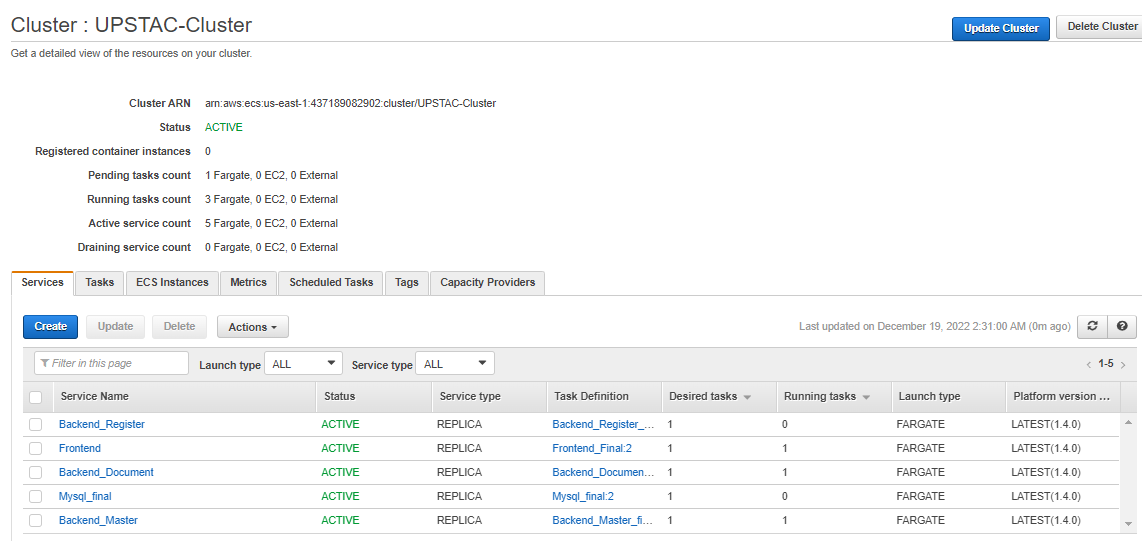
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**Frontend Service with LoadBalancer:**

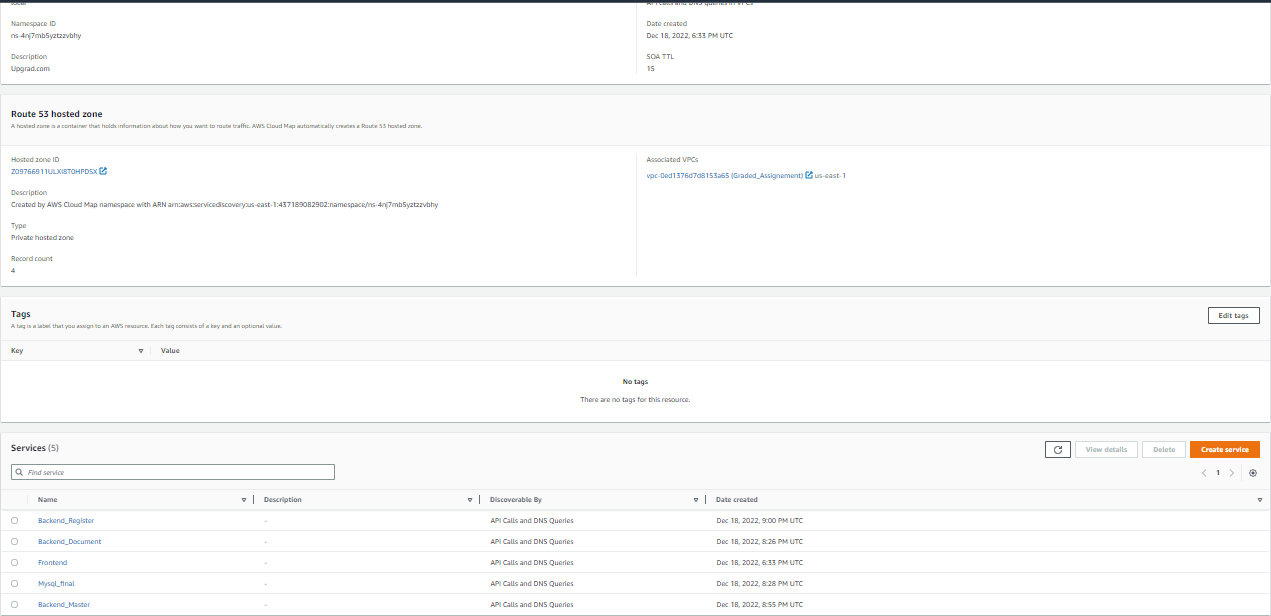
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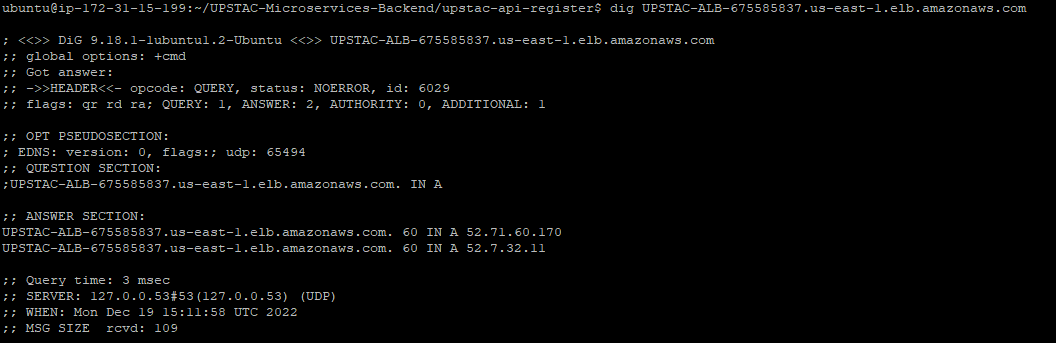
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**Microservice Status:**

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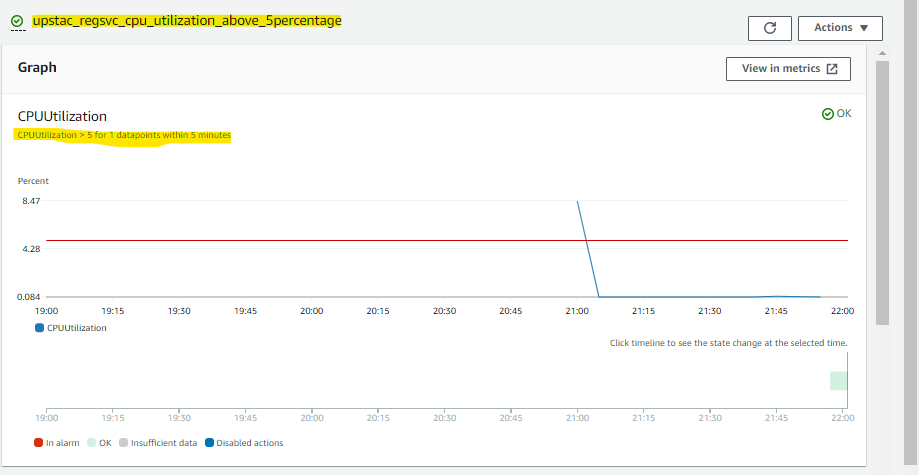
**Namespaces:**

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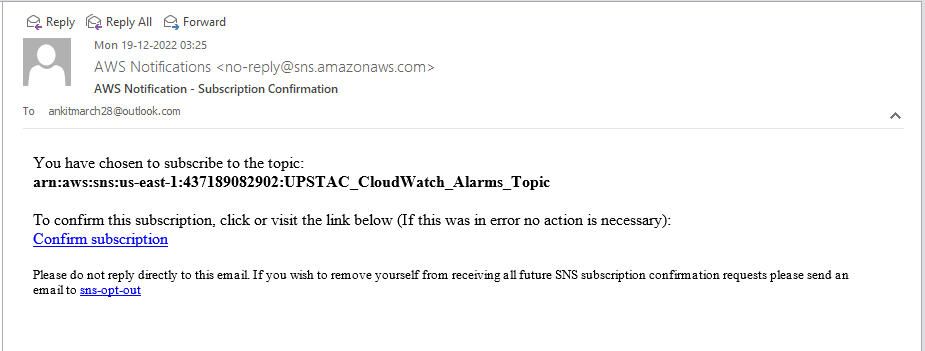
**Dig:  
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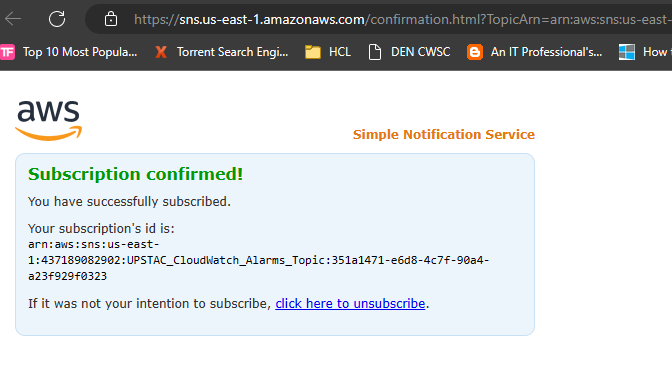
**Task 6:**

**Alarm Creation:**

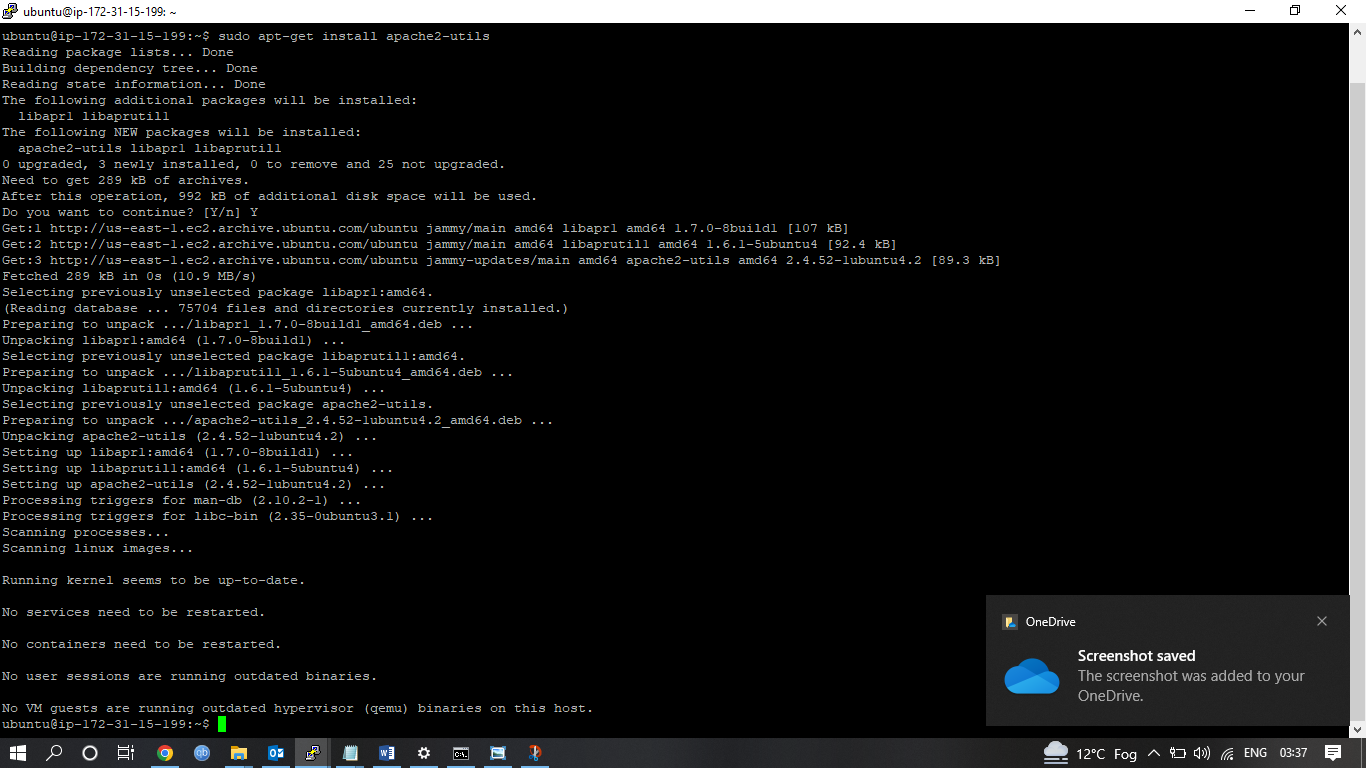
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**Email Confirmation:**

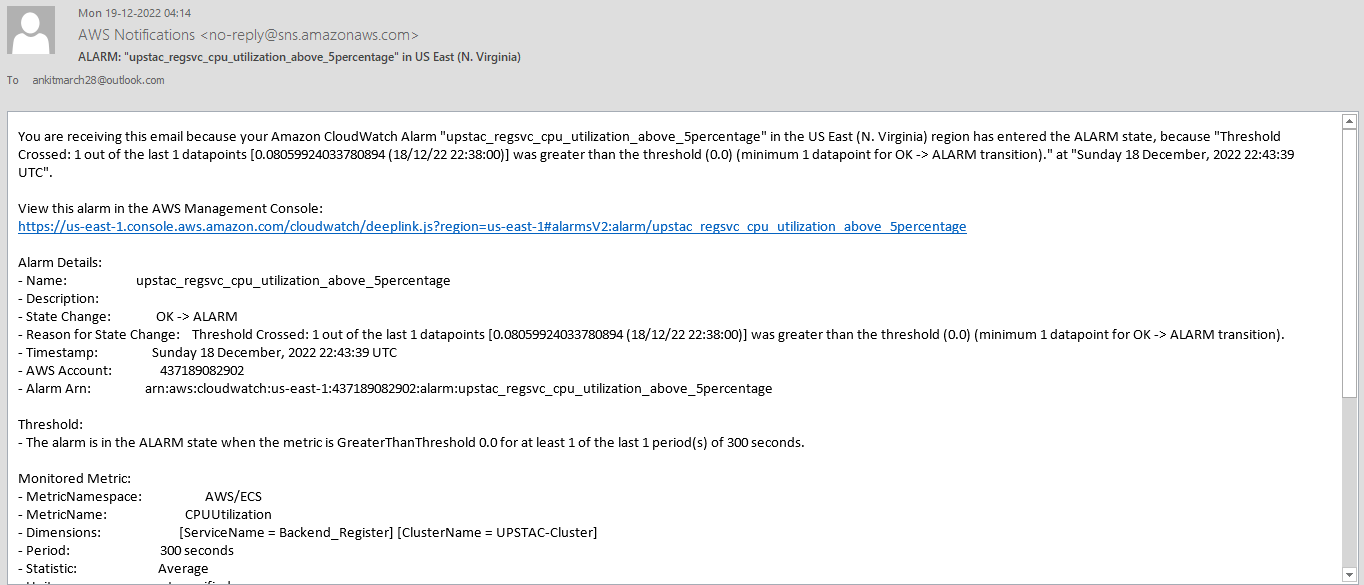
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**Install Package:**

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**Load Test:**

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