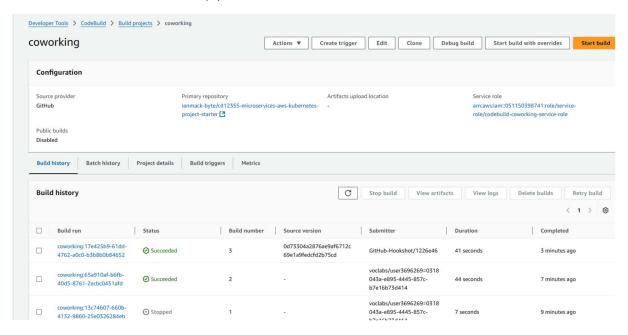
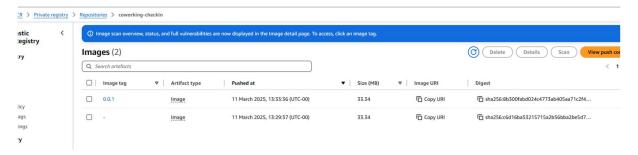
## screenshot of AWS CodeBuild pipeline:



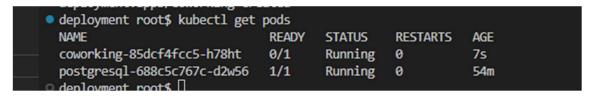
## screenshot of AWS ECR repository for the application's repository.



# screenshot of running the kubectl get svc command.:



# kubectl get pods:



#### kubectl describe svc:

vali kanecci --lieth tol. asage: deployment root\$ kubectl describe svc postgresql-service Name: postgresql-service Namespace: default Labels: <none> Annotations: <none> Selector: app=postgresql Type: ClusterIP IP Family Policy: SingleStack IP Families: IPv4 IP: 10.100.35.145 IPs: 10.100.35.145 Port: <unset> 5432/TCP TargetPort: 5432/TCP Endpoints: 192.168.35.97:5432 Session Affinity: None Events: <none> o deployment root\$

#### kubectl describe deployment coworking:

```
deployment root$ kubectl describe deployment coworking
                          coworking
Name:
Namespace:
                          default
CreationTimestamp:
                          Tue, 11 Mar 2025 14:48:13 +0000
                        name=coworking
Labels:
Annotations:
                         deployment.kubernetes.io/revision: 1
Selector:
                         service=coworking
1 desired | 1 updated | 1 total | 0 available | 1 unavailable
Replicas:
StrategyType:
                         RollingUpdate
MinReadySeconds:
RollingUpdateStrategy: 25% max unavailable, 25% max surge
Pod Template:
  Labels: service=coworking
   coworking:
    Image:
                 051150398741.dkr.ecr.us-east-1.amazonaws.com/coworking-checkin:0.0.1
    Port:
                 <none>
    Host Port: <none>
    Liveness: http-get http://:5153/health_check delay=5s timeout=2s period=10s #success=1 #failure=3 Readiness: http-get http://:5153/readiness_check delay=5s timeout=5s period=10s #success=1 #failure=3 Environment Variables from:
      my-postgres-db-configmap ConfigMap Optional: false
      DB_PASSWORD: <set to the key 'DB_PASSWORD' in secret 'my-postgres-db-password'> Optional: false
                   <none>
    Mounts:
  Volumes:
Conditions:
                 Status Reason
  Type
  Available
                 False MinimumReplicasUnavailable
Progressing True ReplicaSetUpdated
OldReplicaSets: <none>
NewReplicaSet: coworking-85dcf4fcc5 (1/1 replicas created)
  Type
           Reason
                               Age From
                                                                Message
  Normal ScalingReplicaSet 39m deployment-controller Scaled up replica set coworking-85dcf4fcc5 to 1
```

# screenshot of AWS CloudWatch Container Insights logs for the application.

| 2025-03-11T16:43:51.915Z | {"time":"2025-03-11T16:43:51.9150473612","stream":"stderr","_p":"F","log":"192.168.52.231 [11/Mar/2025 16:43:51] \"GET /readiness_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"cow         |
|--------------------------|---|
| 2025-03-11T16:44:01.903Z | ("time":"2825-83-11116:44:01.9933062842","stream":"stderr","_p":"F","log":"192.168.52.231 [11/Mar/2825 16:44:01] \"GET /health_check HTTP/1.1\" 280 -", "kubernetes":("pod_name":"cowurk.       |
| 2025-03-11T16:44:01.904Z | ("time":"2825-83-11116:44:01.9046933552","stream":"stderr","_p":"F","log":"192.168.52.231 [11/Har/2825 16:44:01] \"GET /readiness_check HTTP/1.1\" 280 -","kubernetes":("pod.name":"cow         |
| 2025-03-11T16:44:11.903Z | ("time":"2025-03-11716:44:11.903624032","stream":"stderr",".p":"F","log":"192.168.52.231 - [11/Mar/2025 16:44:11] \"GET //health.check HTTP/1.1\" 200 -", "Mubernetes":("Dod name":"coworks     |
| 2025-03-11T16:44:11.906Z | "time": "2025-03-11116:44:11.9063898212", "stream": "stderr", _p": "F", "log": "192.168.52.231 [11/Mar/2025 16:44:11] \"GET /readiness_check HTTP/1.1\" 200 -", "kubernetes": ("pod_name": "cow |
| 2025-03-11T16:44:13.053Z | ("time":"2025-03-11716:44:13.0534914692","stream":"stderr","_p":"F","log":"[2025-03-11 16:44:13,053] INFO in app: ()","kubernetes":("pod_name":"cworking:5085974089-174dx","namespace_name"     |
| 2025-03-11T16:44:21.904Z | ("time";"2025-03-11716:44:21_0940286772","stream";"stderr","_p":"F","log":"192.168.52.231 [11/Mar/2025 16:44:21] "GET /health_check HTTP/1.1\" 280 -","kubernetes";("pod_name";"cowork/         |
| 2025-03-11T16:44:21.906Z | ("time":"2025-03-11716:44:21_9067715062","stream":"stdern","_p":"F","log":"192.168.52.231 [11/Mar/2025 16:44:21] \"GET /readiness_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"cow         |
| 2025-03-11T16:44:23.084Z | ("time":"2025-03-11716:44:23_0840615242","stream":"stderr","_p":"F","log":"192.168.52.231 [1/Mar/2025 16:44:23] \"6ET /health_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"coworki         |
| 2025-03-11T16:44:23.440Z | ("time":"2025-03-11716:44:23 _4403744422","stream":"stderr","_p":"F","log":"192.168.52.231 - [11/Mar/2025 16:44:23] \"\u0001b[33mGET /favicon.ico HTTP/1.1\u001b[0m\" 404 -","kubernetes":("    |
| 2025-03-11T16:44:31.904Z | ("time":"2025-03-11116:44:31.9040810542","stream":"stdern","_p":"F","log":"192.168.52.231 [11/Mar/2025 16:44:31] \"GET /health_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"cowork!        |
| 2025-03-11T16:44:31.912Z | "time":"2025-03-11716:44:31.91290052","stream":"stderr","_p":"F","log":"192.168.52.231 [11/Mar/2025 16:44:31] \"@ET /readines_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"Coworl          |
| 2025-03-11T16:44:41.904Z | ("time":"2025-03-11716:44:41.9043433812","stream":"stdern","_p":"F","log":"192.168.52.231 [11/Mar/2025 16:44:41] \"GET /health_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"cowork!        |
| 2025-03-11T16:44:41.906Z | ("time":"2025-03-11716:44:41.9064987952","stream":"stderr","p":"F","log":"192.168.52.231 [1/Mar/2025 16:44:41] \"6ET /readines_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"cou            |
| 2025-03-11T16:44:43.056Z | ("time":"2025-03-1116:44:43.0569673972","stream":"stdern","_p":"F","log':"[2025-03-11 16:44:43,054] INFO in app: ('2023-02-09': 63, '2023-02-11': 56, '2023-02-10': 55, '2023-02-12': 67,       |
| 2025-03-11T16:44:51.917Z | ("time":"2825-83-11716:44:51.9176716522","stream":"stdern","_p":"F","log":"192.168.52.231 [11/Mar/2825 16:44:51] \"GET /health_check HTTP/1.1\" 280 -","kubernetes":("pod_name":"cowork!        |
| 2025-03-11T16:44:51.928Z | ("time":"2025-03-11716:44:51,9280771462","stream:"stderr","p":"F","log":"192.168.52.231 [1/Mar/2025 16:44:51] \"6ET /readines_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"cow             |
| 2025-03-11T16:44:57.886Z | ("time":"2025-03-1116:44:57.8844269092","stream":"stdern","_p":"F","log":"[2025-03-11 16:44:57,886] INFO in app: ('2023-02-10': 84, '2023-02-12': 102, '2023-02-13': 94, '2023-02-09': 93,      |
| 2025-03-11716:44:57.887Z | ("time":"2025-03-11716:44:57.8875668192","stream:"stderr","p":"F","log":"192.168.52.21 [11/Mar/2025 16:44:57] \"GET /api/reports/daily_usage HTP/1.1\" 200 -","Kubernetes":("pod_nam            |
| 2025-03-11T16:45:01.902Z | ("time":"2825-83-11716:45:01.9928358812","stream:"stderr","p":"F","log":"192.168.52.231 - [11/Mar/2025 16:45:01] \"GET /health_check HTTP/1.1\" 280 -","kubernetes":("pod_name":"cowork!        |
| 2025-03-11T16:45:01.909Z | "time":"2825-03-11716:45:01.999565562","streem":"stderr","_p":"F","log":"192.168.52.231 [11/Mar/2825 16:45:01] \"0ET /readiness_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"cowor         |
| 2025-03-11T16:45:11.903Z | ("time":"2025-03-11T16:45:11.9033339542","stream":"stdern","_D":"F","log":"192.168.52.231 - [11/Mar/2025 16:45:11] \"OET /health_check HTTP/1.1\" 200 -", "kubernetes":("pod_name":"cowork      |
| 2025-03-11T16:45:11.904Z | ("time":"2025-03-1116:45:11.9048014442","stream":"stderr","_p":"F","log":"192.168.52.231 - [11/Mar/2025 16:45:11] \"GET /readiness_theck HTTP/1.1\" 200 -","kubernetes":("pod_name":"com        |
| 2025-03-11T16:45:13.054Z | ("time":"2825-83-11716:45:13.0546431462", "stream":"stderr", "p":"F", "log":"[2825-83-11 16:45:13,054] INFO in app: ('2823-82-10': 112, '2823-92-12': 124, '2823-92-13': 140, '2823-92-99': 12  |
| 2025-03-11T16:45:21.904Z | ("time":"2025-03-1116:45:21.904400192","stream:"stderr","p":"F","log":"192.166.52.231 - [11/Mar/2025 16:45:21] \"OET /health_check HTTP/1.1\" 200 -","kubernetes":("pod_name":"coworki          |
| 2025-03-11T16:45:21.904Z | ("time":"2025-03-11716:45:21.9044457152","stream":"stderr","_p":"f","log":"192.168.52.231 [11/Nar/2025 16:45:21] \"GET /readiness_check HTTP/1.1\" 200 -","kubernetes":("road_name":"coad       |