

screenshot of AWS CodeBuild pipeline:

Developer Tools > CodeBuild > Build projects > coworking

**coworking** Actions Create trigger Edit Clone Debug build Start build with overrides **Start build**

**Configuration**

|                           |   |                                |  |
|---------------------------|---|--------------------------------|--|
| Source provider<br>GitHub | Primary repository<br>ianmack-byte/cd12355-microservices-aws-kubernetes-project-starter | Artifacts upload location<br>- | Service role<br>arn:aws:iam::051150398741:role/service-role/codebuild-coworking-service-role |
| Public builds<br>Disabled |   |                                |  |

**Build history** Batch history Project details Build triggers Metrics

Build history

| Build run                                      | Status    | Build number | Source version                           | Submitter  | Duration   | Completed     |
|--|-----------|--------------|--|--|------------|---------------|
| coworking:17e425b9-61dd-4762-a0c0-b3b8b0b84652 | Succeeded | 3            | 0d73304a2876ae9af6712c69e1a9fedcfd2b75cd | GitHub-Hookshot/1226e46                                  | 41 seconds | 3 minutes ago |
| coworking:65a910af-b6fb-40d5-8761-2ecbc0451afd | Succeeded | 2            | -  | voclabs/user3696269-0318043a-e895-4445-857c-b7e16b73d414 | 44 seconds | 7 minutes ago |
| coworking:13c74607-660b-4132-9860-25e0326284eb | Stopped   | 1            | -  | voclabs/user3696269-0318043a-e895-4445-857c-b7e16b73d414 | 7 seconds  | 9 minutes ago |

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

Private registry > Repositories > coworking-checkin

Image scan overview, status, and full vulnerabilities are now displayed in the image detail page. To access, click an image tag.

**Images (2)** Delete Details Scan View push co

Search artefacts

| Image tag | Artifact type | Pushed at                        | Size (MB) | Image URI | Digest                                   |
|-----------|---------------|----------------------------------|-----------|-----------|--|
| 0.0.1     | Image         | 11 March 2025, 13:33:36 (UTC-00) | 33.34     | Copy URI  | sha256:8b300fabd024c4773ab405aa71c2f4... |
| -         | Image         | 11 March 2025, 13:29:37 (UTC-00) | 33.34     | Copy URI  | sha256:c6d16ba53215715a2b56bba2be5d7...  |

screenshot of running the kubectl get svc command.:

```
deployment root$ kubectl get svc
```

| NAME               | TYPE         | CLUSTER-IP    | EXTERNAL-IP  | PORT(S)        |
|--------------------|--------------|---------------|--|----------------|
| coworking          | LoadBalancer | 10.100.180.52 | a27a224590cc74f1fbe444a9b9da1703-192891125.us-east-1.elb.amazonaws.com | 5153:32176/TCP |
| kubernetes         | ClusterIP    | 10.100.0.1    | <none>   | 443/TCP        |
| postgresql-service | ClusterIP    | 10.100.35.145 | <none>   | 5432/TCP       |

kubectl get pods:

```
deployment root$ kubectl get pods
```

| NAME                        | READY | STATUS  | RESTARTS | AGE |
|-----------------------------|-------|---------|----------|-----|
| coworking-85dcf4fcc5-h78ht  | 0/1   | Running | 0        | 7s  |
| postgresql-688c5c767c-d2w56 | 1/1   | Running | 0        | 54m |

kubectl describe svc:

```

run kubectl --help for usage.
● 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>
○ deployment root$ 

```

kubectl describe deployment coworking:

```

● deployment root$ kubectl describe deployment coworking
Name:                coworking
Namespace:           default
CreationTimestamp:    Tue, 11 Mar 2025 14:48:13 +0000
Labels:              name=coworking
Annotations:         deployment.kubernetes.io/revision: 1
Selector:            service=coworking
Replicas:            1 desired | 1 updated | 1 total | 0 available | 1 unavailable
StrategyType:        RollingUpdate
MinReadySeconds:     0
RollingUpdateStrategy: 25% max unavailable, 25% max surge
Pod Template:
  Labels:  service=coworking
  Containers:
    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
      Environment:
        DB_PASSWORD: <set to the key 'DB_PASSWORD' in secret 'my-postgres-db-password'> Optional: false
      Mounts:
        <none>
      Volumes:
        <none>
  Conditions:
    Type           Status  Reason
    ----           -
    Available      False   MinimumReplicasUnavailable
    Progressing    True    ReplicaSetUpdated
  OldReplicaSets: <none>
  NewReplicaSet:  coworking-85dcf4fcc5 (1/1 replicas created)
  Events:
    Type           Reason             Age    From                      Message
    ----           -
    Normal         ScalingReplicaSet   39m    deployment-controller     Scaled up replica set coworking-85dcf4fcc5 to 1
○ deployment root$ 

```

screenshot of AWS CloudWatch Container Insights logs for the application.

|  |  |
|--|--|
| > /aws/containerinsights/coworking/appl...> ip-192-168-52-231.ec2.internal-application.var.log.containers.coworking-5b85974b89-z74dx_default_coworking-babd1494d656... |  |
| 2025-03-11T16:43:51.915Z   | ("time":"2025-03-11T16:43:51.915047361Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:43:51"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |
| 2025-03-11T16:44:01.903Z   | ("time":"2025-03-11T16:44:01.903306284Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:01"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:44:01.904Z   | ("time":"2025-03-11T16:44:01.904683355Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:01"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |
| 2025-03-11T16:44:11.903Z   | ("time":"2025-03-11T16:44:11.903626403Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:11"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:44:11.906Z   | ("time":"2025-03-11T16:44:11.906389821Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:11"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |
| 2025-03-11T16:44:13.053Z   | ("time":"2025-03-11T16:44:13.053491469Z","stream":"stderr","_p":"F","log":{"2025-03-11 16:44:13,053} INFO In app: {}","kubernetes":{"pod_name":"coworking-5b85974b89-z74dx","namespace_name":. |
| 2025-03-11T16:44:21.904Z   | ("time":"2025-03-11T16:44:21.904028677Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:21"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:44:21.906Z   | ("time":"2025-03-11T16:44:21.906771586Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:21"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |
| 2025-03-11T16:44:23.084Z   | ("time":"2025-03-11T16:44:23.084061524Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:23"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:44:23.440Z   | ("time":"2025-03-11T16:44:23.440374442Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:23"}\GET /api/reports/daily_usage HTTP/1.1\ 200 -","kubernetes":{"pod_name":"p.                  |
| 2025-03-11T16:44:31.904Z   | ("time":"2025-03-11T16:44:31.904081854Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:31"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:44:31.912Z   | ("time":"2025-03-11T16:44:31.9129805Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:31"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworki.                      |
| 2025-03-11T16:44:41.904Z   | ("time":"2025-03-11T16:44:41.904343381Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:41"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:44:41.906Z   | ("time":"2025-03-11T16:44:41.906498795Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:41"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |
| 2025-03-11T16:44:43.056Z   | ("time":"2025-03-11T16:44:43.056967397Z","stream":"stderr","_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, '2. |
| 2025-03-11T16:44:51.917Z   | ("time":"2025-03-11T16:44:51.917671652Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:51"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:44:51.928Z   | ("time":"2025-03-11T16:44:51.928077146Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:51"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |
| 2025-03-11T16:44:57.086Z   | ("time":"2025-03-11T16:44:57.086426969Z","stream":"stderr","_p":"F","log":{"2025-03-11 16:44:57,086} INFO In app: {'2023-02-10': 84, '2023-02-12': 102, '2023-02-13': 94, '2023-02-09': 93, '. |
| 2025-03-11T16:44:57.087Z   | ("time":"2025-03-11T16:44:57.087566819Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:44:57"}\GET /api/reports/daily_usage HTTP/1.1\ 200 -","kubernetes":{"pod_name.                      |
| 2025-03-11T16:45:01.902Z   | ("time":"2025-03-11T16:45:01.90283581Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:45:01"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                       |
| 2025-03-11T16:45:01.909Z   | ("time":"2025-03-11T16:45:01.90956556Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:45:01"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowork.                      |
| 2025-03-11T16:45:11.903Z   | ("time":"2025-03-11T16:45:11.903333954Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:45:11"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworkin.                      |
| 2025-03-11T16:45:11.904Z   | ("time":"2025-03-11T16:45:11.904801444Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:45:11"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |
| 2025-03-11T16:45:13.054Z   | ("time":"2025-03-11T16:45:13.054643146Z","stream":"stderr","_p":"F","log":{"2025-03-11 16:45:13,054} INFO In app: {'2023-02-10': 112, '2023-02-12': 124, '2023-02-13': 140, '2023-02-09': 129. |
| 2025-03-11T16:45:21.904Z   | ("time":"2025-03-11T16:45:21.90440019Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:45:21"}\GET /health_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"coworking.                      |
| 2025-03-11T16:45:21.904Z   | ("time":"2025-03-11T16:45:21.904445715Z","stream":"stderr","_p":"F","log":{"11/Mar/2025 16:45:21"}\GET /readiness_check HTTP/1.1\ 200 -","kubernetes":{"pod_name":"cowor.                      |