

screenshot of AWS CodeBuild pipeline:

Developer Tools > CodeBuild > Build projects > Coworking2

### Coworking2

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

**Configuration**

Source provider GitHub	Primary repository ianmack-byte/cd12355-microservices-aws-kubernetes-project-starter <a href="#">🔗</a>	Artifacts upload location -	Service role arn:aws:iam::048249218523:role/service-role/codebuild-Coworking2-service-role
Public builds Disabled			

Build history Batch history Project details Build triggers Metrics

**Build history**

⌂ Stop build View artifacts View logs Delete builds Retry build

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<input type="checkbox"/>	Build run	Status	Build number	Source version	Submitter	Duration	Completed
<input type="checkbox"/>	Coworking2:8d5b6294-2504-493b-a524-c6a091f66708	<span>✔ Succeeded</span>	16	-	voclabs/user3696269=0318043a-e895-4445-857c-b7e16b73d414	37 seconds	31 minutes ago
<input type="checkbox"/>	Coworking2:15b7cb16-5ae9-4cc0-978d-ad5e8837fd63	<span>✔ Succeeded</span>	15	-	voclabs/user3696269=0318043a-e895-4445-857c-b7e16b73d414	42 seconds	4 days ago
<input type="checkbox"/>	Coworking2:67c95ffe-cf55-47c4-9458-8023cecf8a7d	<span>❌ Failed</span>	14	-	voclabs/user3696269=0318043a-e895-4445-857c-b7e16b73d414	28 seconds	4 days ago
	Coworking2:1fb1d05e-				voclabs/user3696269=0318		

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

Amazon ECR > Private registry > Repositories > coworking-checkin

amazon Elastic Container Registry

Private registry

Repositories

Summary

**Images**

Permissions

Lifecycle Policy

Repository tags

Features & Settings

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

**Images (2)**

🔍 Search artefacts

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<input type="checkbox"/>	Image tag	Artifact type	Pushed at	Size (MB)	Image URI	Digest
<input type="checkbox"/>	0.0.1	Image	22 February 2025, 14:46:21 (UTC-00)	33.34	Copy URI	sha256:e52d743a5e9bdd4c9acd879137907...
<input type="checkbox"/>	-	Image	18 February 2025, 13:19:57 (UTC-00)	33.34	Copy URI	sha256:2b68f05c61bbb5e6bb0343316d4d8...

screenshot of running the kubectl get svc command.:

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

bash - deployment + ▾ 🗑 ⋮ ^ ×

○ deployment root\$  
○ deployment root\$  
○ deployment root\$  
○ deployment root\$  
○ deployment root\$  
○ deployment root\$  
● deployment root\$ kubectl get svc

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
coworking	LoadBalancer	10.100.26.63	a0e72d0e8ff2340abbe0aee50a68fd9e-1113603749.us-east-1.elb.amazonaws.com	5153:31256/TCP	83m
kubernetes	ClusterIP	10.100.0.1	<none>	443/TCP	103m
postgresql-service	ClusterIP	10.100.22.170	<none>	5432/TCP	93m

○ deployment root\$

kubectl get pods:

5m6s

● deployment root\$ kubectl get pods

NAME	READY	STATUS	RESTARTS	AGE
coworking-7595fc54dd-vp2g7	1/1	Running	0	33s
postgresql-688c5c767c-tcqzh	1/1	Running	0	5m27s

● deployment root\$ kubectl describe deployment coworking

kubectl describe svc:

```
deployment root$ kubectl describe svc
Name:          coworking
Namespace:     default
Labels:        <none>
Annotations:   <none>
Selector:      service=coworking
Type:          LoadBalancer
IP Family Policy: SingleStack
IP Families:   IPv4
IP:            10.100.113.26
IPs:           10.100.113.26
LoadBalancer Ingress: a618e51e8ec6c4ffc96443ca8f1651cb-800089974.us-east-1.elb.amazonaws.com
Port:          5153 5153/TCP
TargetPort:    5153/TCP
NodePort:      5153 32303/TCP
Endpoints:     192.168.63.38:5153
Session Affinity: None
External Traffic Policy: Cluster
Events:
  Type    Reason              Age   From                  Message
  ----    -
  Normal  EnsuringLoadBalancer 6m53s service-controller    Ensuring load balancer
  Normal  EnsuredLoadBalancer  6m49s service-controller    Ensured load balancer
  Normal  EnsuringLoadBalancer 5m12s service-controller    Ensuring load balancer
  Normal  UpdatedLoadBalancer  5m11s service-controller    Updated load balancer with new hosts
  Normal  EnsuredLoadBalancer  5m11s service-controller    Ensured load balancer

Name:          kubernetes
Namespace:     default
Labels:        component=apiserver
               provider=kubernetes
Annotations:   <none>
Selector:      <none>
Type:          ClusterIP
IP Family Policy: SingleStack
IP Families:   IPv4
IP:            10.100.0.1
IPs:           10.100.0.1
Port:          https 443/TCP
TargetPort:    443/TCP
Endpoints:     192.168.115.97:443,192.168.68.14:443
Session Affinity: None
Events:        <none>

Name:          postgresql-service
Namespace:     default
Labels:        <none>
Annotations:   <none>
Selector:      app=postgresql
```

kubectl describe deployment coworking:

```

● deployment root$ kubectl describe deployment coworking
Name:                coworking
Namespace:           default
CreationTimestamp:   Wed, 12 Mar 2025 15:20:58 +0000
Labels:              name=coworking
Annotations:         deployment.kubernetes.io/revision: 1
Selector:            service=coworking
Replicas:            1 desired | 1 updated | 1 total | 1 available | 0 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       True    MinimumReplicasAvailable
    Progressing     True    NewReplicaSetAvailable
  OldReplicaSets:  <none>
  NewReplicaSet:   coworking-7595fc54dd (1/1 replicas created)
  Events:
    Type           Reason           Age   From           Message
    ----           -
    Normal          ScalingReplicaSet  83s   deployment-controller Scaled up replica set coworking-7595fc54dd to 1

```

screenshot of AWS CloudWatch Container Insights logs for the application.

▼ Log group details

Log class

Standard

ARN

arn:aws:logs:us-east-1:048249218523:log-group:/aws/containerinsights/coworking/application:

Creation time

43 minutes ago

Retention

Never expire

Stored bytes

-

Metric filters

0

Subscription filters

0

Contributor Insights rules

-

KMS key ID

-

Anomaly detection

Configure

Data protection

-

Sensitive data count

-

Field indexes

Configure

Transformer

Configure

- Log streams
- Tags
- Anomaly detection
- Metric filters
- Subscription filters
- Contributor Insights
- Data protection
- Field indexes
- Transformer

Log streams (4)

Filter log streams or try prefix search

Exact match

Show expired

Info

Log stream

Last event time

ip-192-168-63-228.ec2.internal-application.var.log.containers.coworking-f9f8fc848-qrwrm4\_default\_coworking-dd6

2025-02-22 15:11:29 (UTC)

ip-192-168-63-228.ec2.internal-application.var.log.containers.cloudwatch-agent-6rcgb\_amazon-cloudwatch\_otc-co

2025-02-22 14:53:44 (UTC)

ip-192-168-63-228.ec2.internal-application.var.log.containers.fluent-bit-gl4gb\_amazon-cloudwatch\_fluent-bit-0a6C

2025-02-22 14:41:32 (UTC)

ip-192-168-63-228.ec2.internal-application.var.log.containers.amazon-cloudwatch-observability-controller-manage

2025-02-22 14:41:29 (UTC)