Operationalizing a Coworking Space Microservice

learn.udacity.com/nanodegrees/nd9991/parts/cd12355/lessons/13845f7a-d29c-4d6a-aaa0-63cdde062322/concepts/13845f7a-d29c-4d6a-aaa0-63cdde062322-project-rubric

Project: Coworking Space Service

Build and Deploy Containers to ECR

Success Criteria	Specifications
Store Docker images in ECR	
Run CodeBuild pipeline to deploy Docker image to AWS ECR	A screenshot of the AWS CodeBuild pipeline shows that the build process was triggered automatically and pushed a built Docker image into ECR

Kubernetes Configuration

Success Criteria	Specifications
Create functional Kubernetes YAML configuration files	The `deployment/` contains Kubernetes config files that: • create the service's deployment in Kubernetes. • create the service's services in Kubernetes. • share plaintext environment variables in a configmap file • share sensitive environment variables in a separate secrets file
Successfully deploy Kubernetes service	A screenshot of `kubectl get svc` shows a newly-created service A screenshot of `kubectl describes deployment <SERVICE_NAME>` A screenshot of `kubectl get pods` shows the service in READY state with a RUNNING status.
Create a Kubernetes Database Service using Helm Chart	A screenshot of `kubectl describe svc <DATABASE_SERVICE_NAME>` shows `app.kubernetes.io/managed-by=Helm` in the `Labels` section

Logging and Documentation

Success Criteria	Specifications
Write a concise and well-structured README.	The README should contain no more than 20 sentences in a readable format. Sentence limits here do not apply to those in the Stand Out Suggestions.
Review CloudWatch logs to confirm that an application is operating normally	The screenshot of CloudWatch logs shows the logs of the application, which periodically prints the database output. The output indicates that the application runs without errors.