
AWS
re:Invent

CON206

Getting up and running with Amazon ECS

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AWS

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Agenda

- What is Amazon ECS?
- How to get up and running
- ECS developer experience
- Demo
- Takeaways

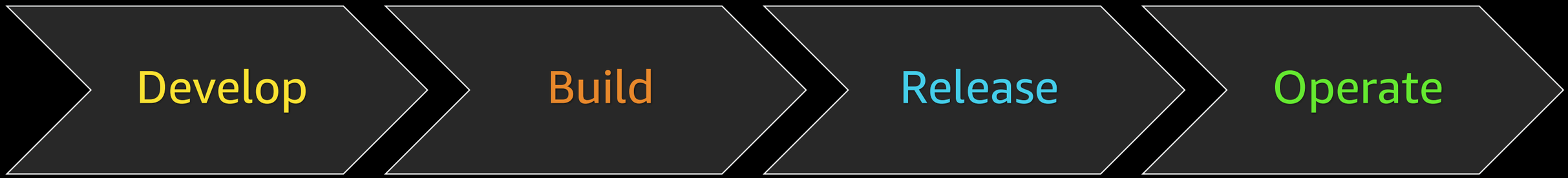


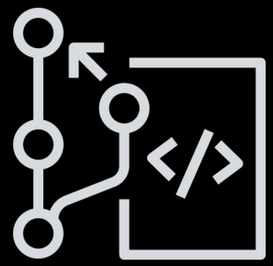
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What is Amazon Elastic Container Service (ECS)?

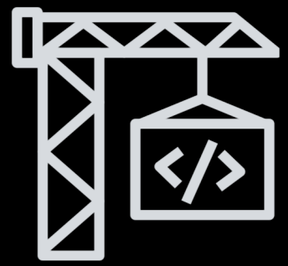
- Orchestration as a service
  - Interact with resources via simple APIs
- Flexible scheduling and placement
  - Long-running applications or batch jobs
- Integrated with the AWS environment
  - Load balancers, AWS Cloud Map, AWS App Mesh, Amazon Elastic File System (Amazon EFS), AWS CodeSuite, Amazon CloudWatch
- Extensible
  - APIs allow the use of custom or third-party schedulers; open-source agent
- Secure
  - Containers in Amazon EC2 instances in your own VPC or instances managed by AWS
- Serverless
  - AWS Fargate compute engine

Get up and running





Push to source repo



Build and package with Docker and Amazon ECR

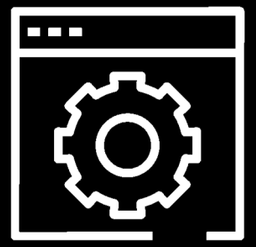


Deploy to Amazon ECS



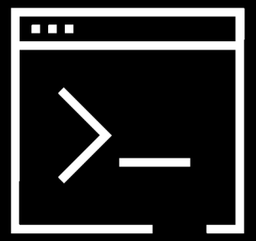
Observe with CloudWatch

Choose the right developer tool for you



AWS Management Console

Access and manage your ECS resources on the web



AWS Copilot CLI

Quickly launch and easily manage containers on ECS

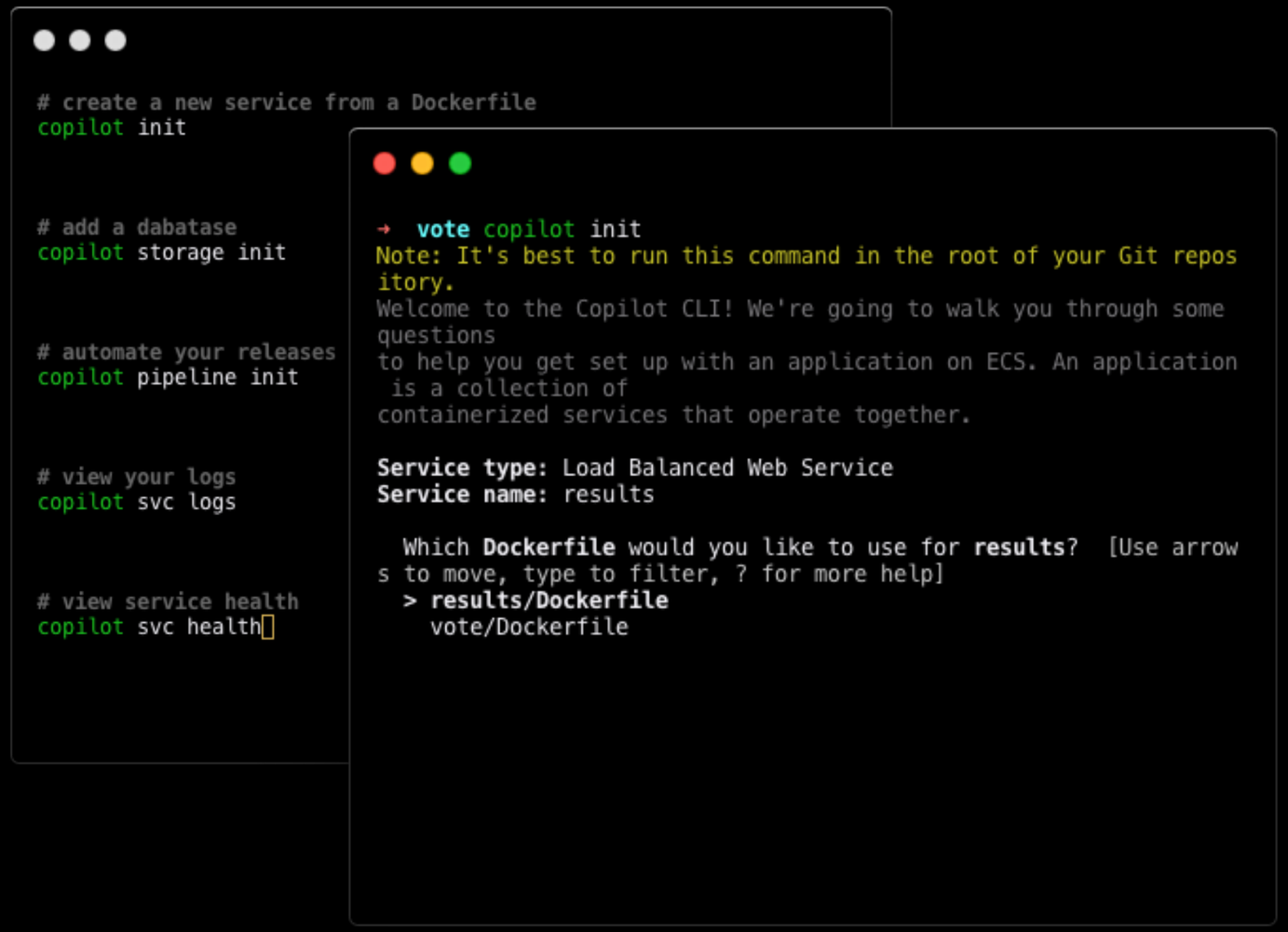


AWS Cloud Development Kit (CDK)

Define ECS resources with familiar programming languages

AWS Copilot CLI

LAUNCH AND MANAGE CONTAINERS ON AWS FARGATE WITH AMAZON ECS



Think in terms of **architecture**, not infrastructure

Develop with simple, powerful configurations

Release with a continuous delivery pipeline

Operate with autoscaling, alarms, metrics, and logs

Takeaways

- Amazon ECS is a managed container orchestrator
- AWS and Amazon ECS provide tools tailored to your needs
- AWS Copilot gets you up and running on Amazon ECS in minutes
- Amazon ECS provides observability out of the box

Resources

Amazon ECS
https://aws.amazon.com/ecs

AWS Copilot CLI
https://github.com/aws/copilot-cli/

Copilot on Containers from the Couch
https://containersfromthecouch.com/?q=copilot

Thank you!

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