Migrate your Ruby on Rails App to AWS Fargate using AWS Rails Provisioner

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aws

Agenda

- What is “aws-rails-provisioner”? Current Status?
- How to use “aws-rails-provisioner”?
- How does “aws-rails-provisioner” work?
- Why use “aws-rails-provisioner”?
- Q & A

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‘aws-rails-provisioner’

under developer preview,
supporting AWS Fargate

A tool to define and deploy containerized Ruby on Rails applications on AWS

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‘aws-rails-provisioner’

under developer preview,
currently supporting AWS Fargate

Why AWS Fargate?

Run containers without having to manage servers or clusters

What’s not covered

- Why and how to containerize a Rails Application
- Different compute platform comparison (EC2, EKS, ECS, Elastic Beanstalk …)
- Deep dive on each AWS Services used
- Deep dive on AWS Cloud Development Kit (CDK)

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One Configuration File
Two Commands
Three AWS CDK Stacks

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One configuration file

aws-rails-provisioner.yml

vim examples/ ⌥⌘2

1 multi_service.yml X

```yaml
version: '0'

vpc:
  max_azs: 2
  enable_dns: true
services:
  rails_foo:
    source_path: /path/to/rails_foo
    fargate:
      desired_count: 1
      public: true
      envs:
        PORT: 80
    db_cluster:
      engine: aurora-mysql
      db_name: app_development
    scaling:
      max_capacity: 2
      on_cpu:
        target_util_percent: 80
        scale_in_cool_down: 300
  rails_no_db:
    source_path: /path/to/no_db
    fargate:
      desired_count: 1
      public: true
      envs:
        PORT: 80
~
~
~
~
```

NORMAL master multi_service.yml 3% 1:1

:1

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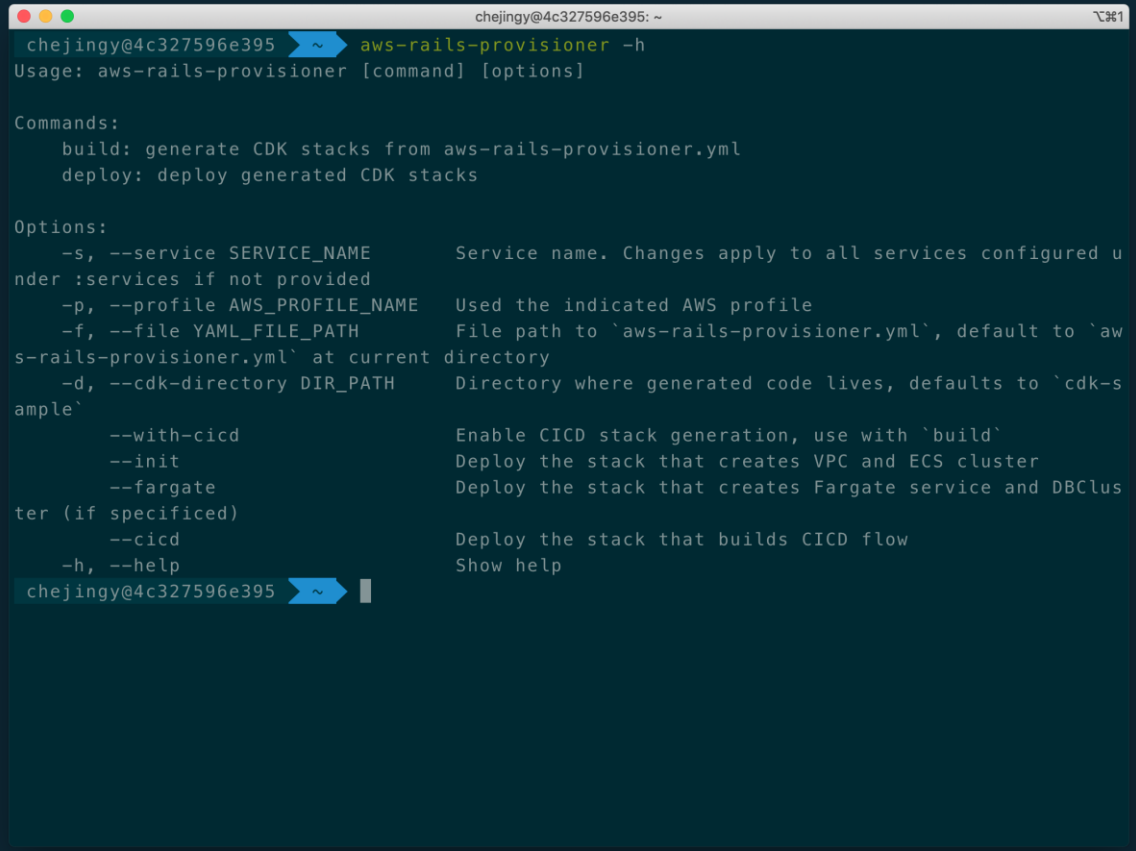
Two Commands

aws-rails-provisioner build
aws-rails-provisioner deploy

Two Commands

aws-rails-provisioner -h



Three AWS CDK Stacks

Initial Stack & Fargate Stack

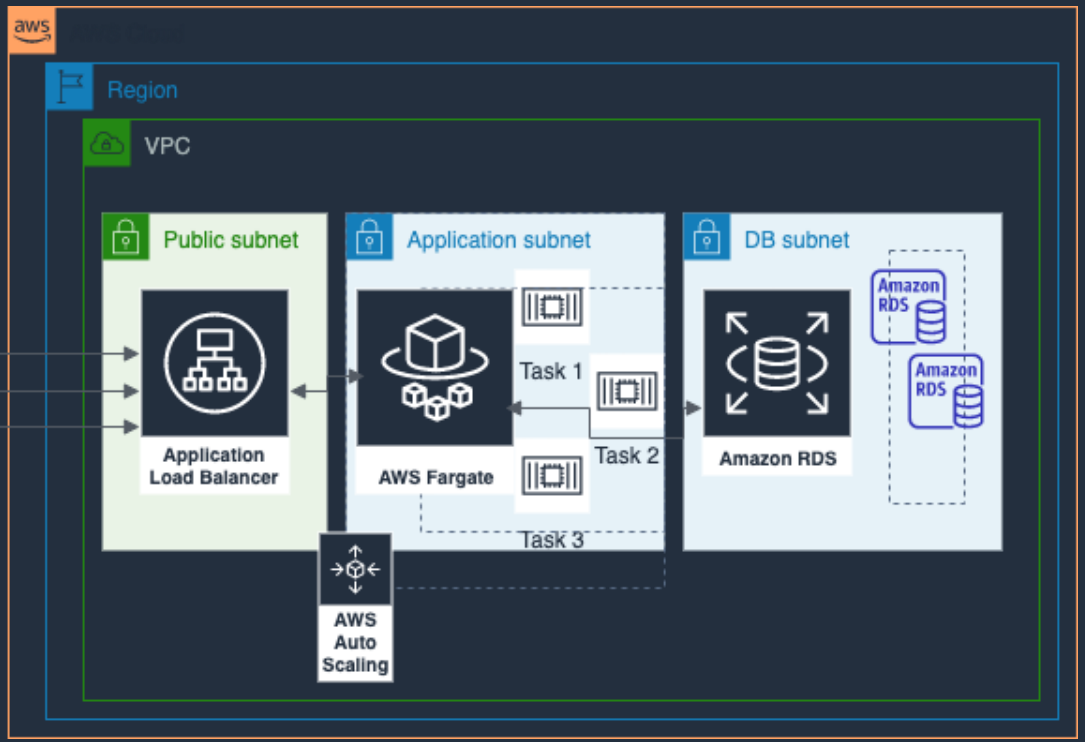
CI/CD

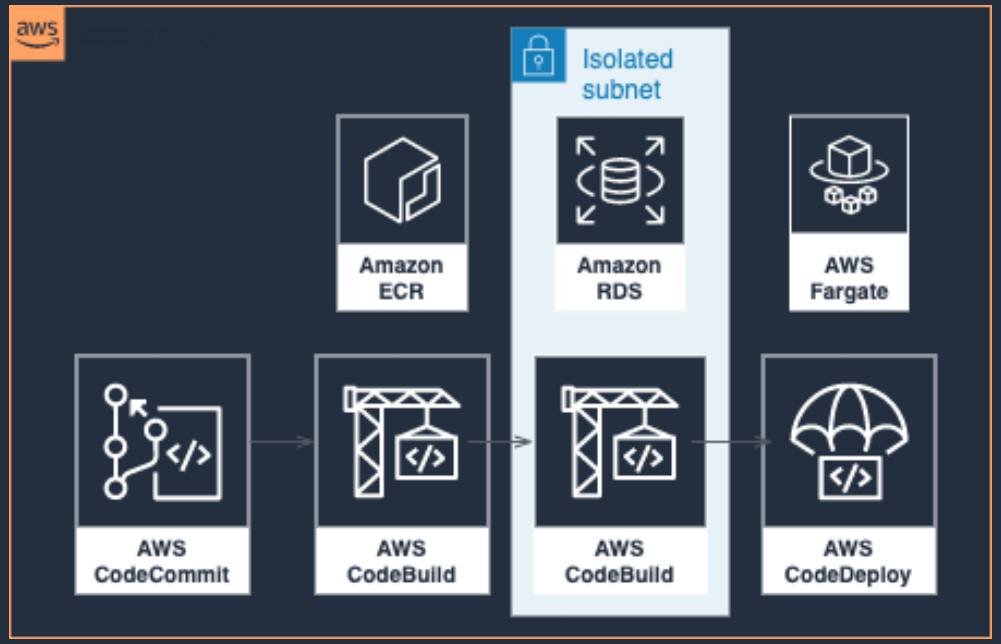
aws-rails-provisioner build --with-cicd
aws-rails-provisioner deploy --cicd

Three AWS CDK Stacks

CI/CD Stack

What have been built so far?





Infrastructure as Code on AWS

AWS Blog Post:
https://aws.amazon.com/blogs/developer/introducing-the-aws-rails-provisioner-gem-developer-preview/

Github Repo:
https://github.com/awslabs/aws-rails-provisioner

Thank you!

Q & A

https://github.com/awslabs/aws-rails-provisioner

https://rubygems.org/gems/aws-rails-provisioner