# Continuous Delivery using CodePipeline



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#### Introduction

#### Continuous Delivery using CodePipeline

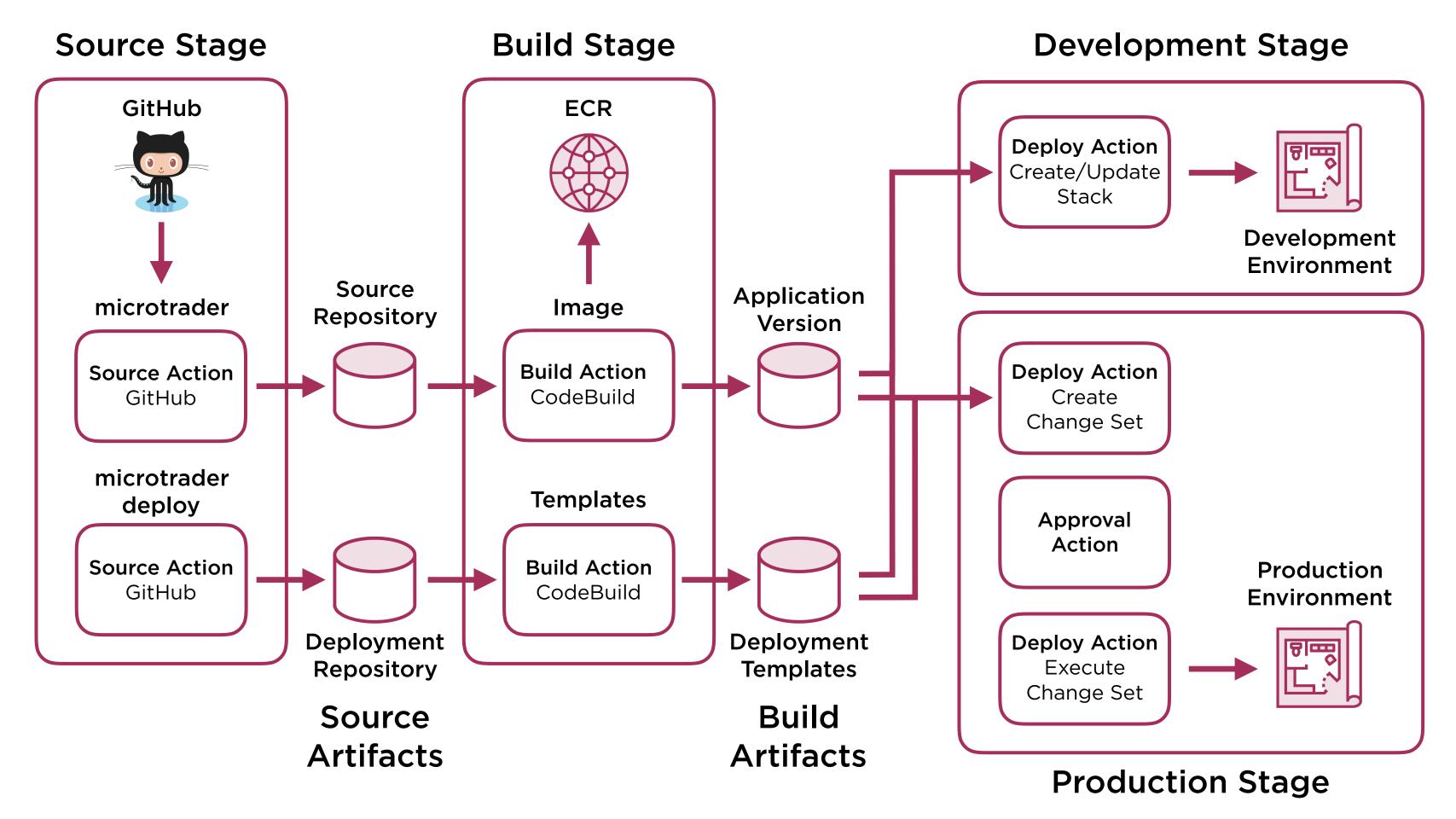
- Path from Development to Production
- Benefits
  - Increases speed and quality
  - Greater productivity
  - Reduces cost

#### Introduction

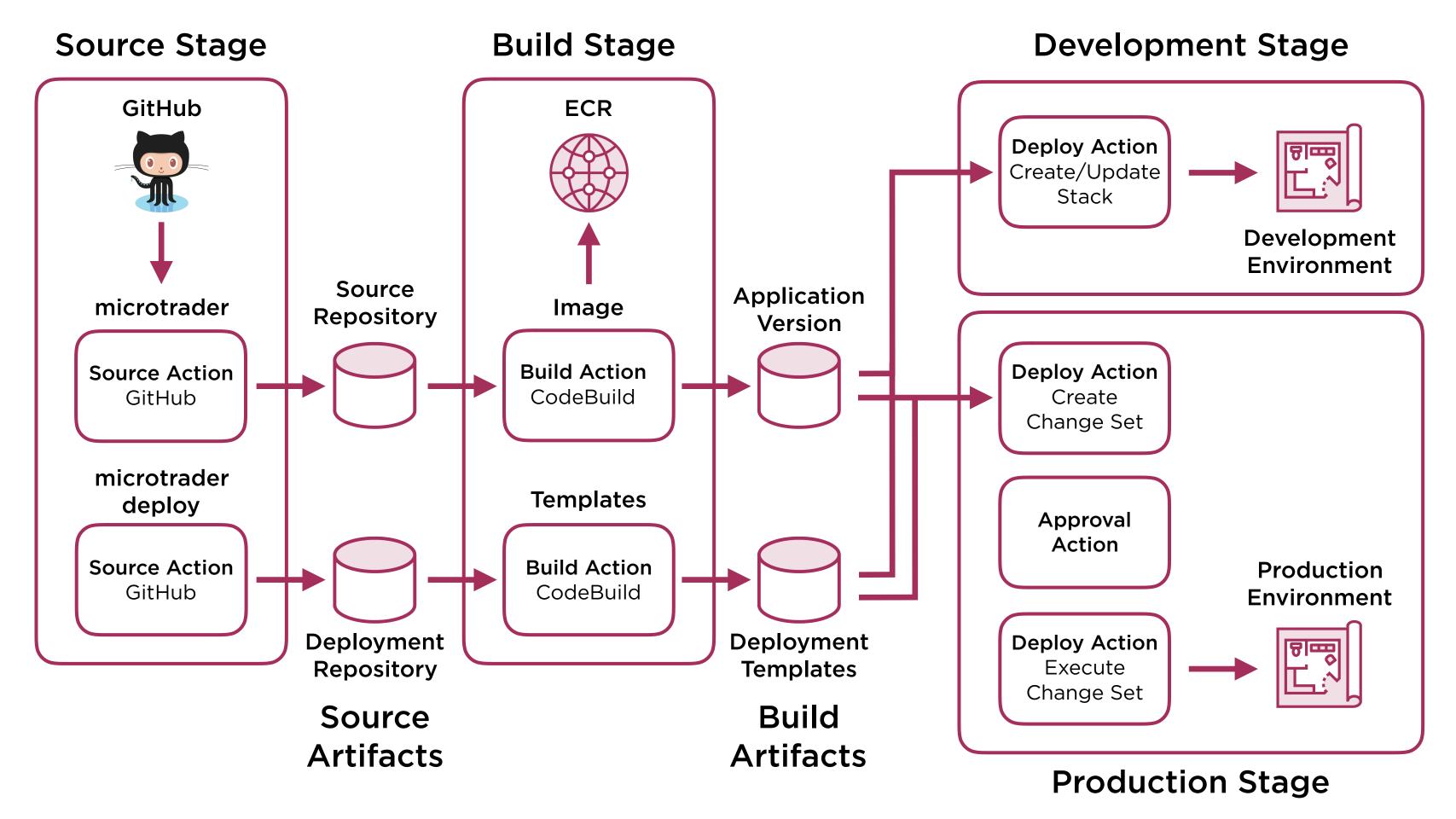
#### Continuous Delivery using CodePipeline

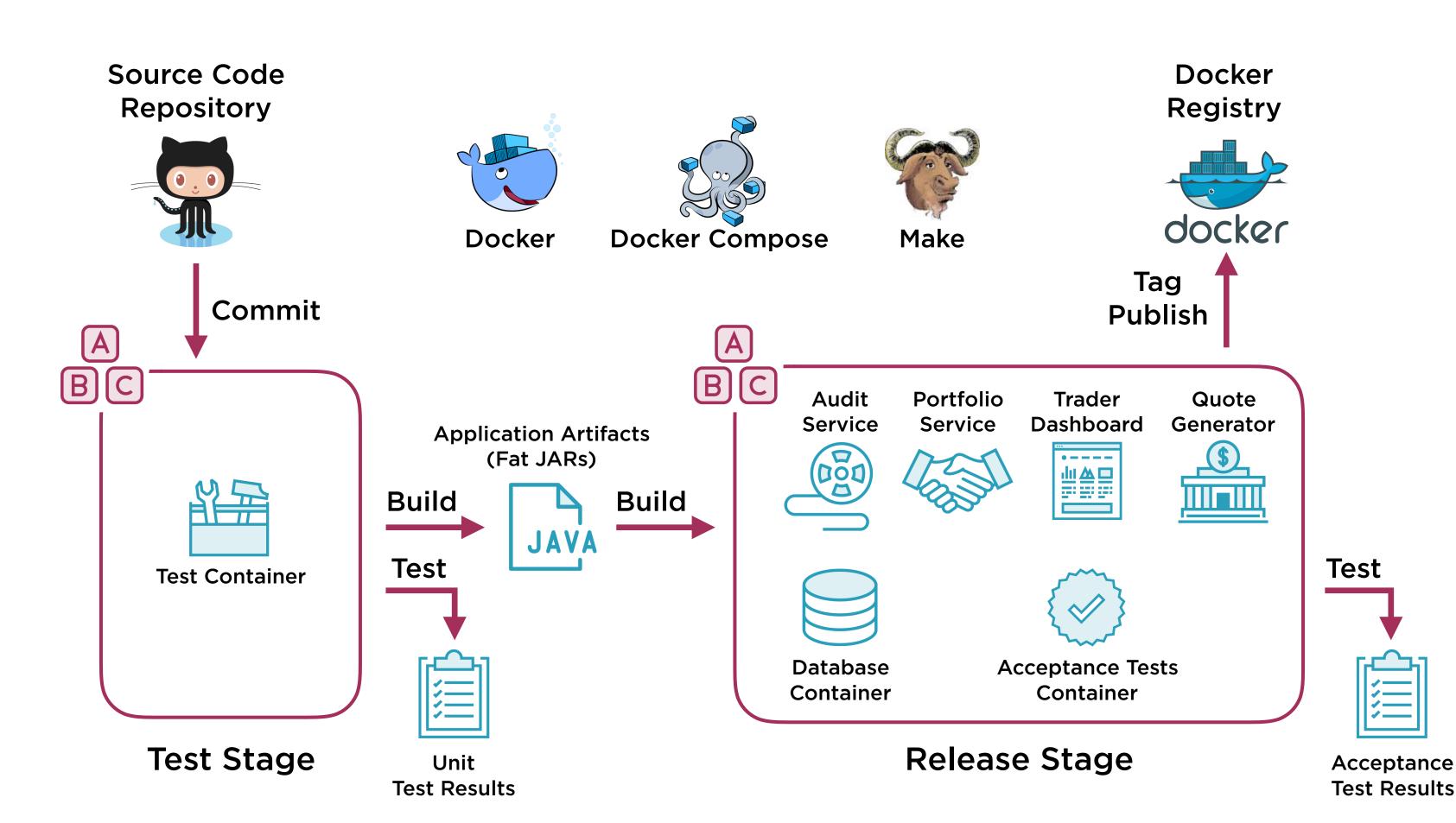
- Pipeline building blocks
  - Local Docker workflow
  - CloudFormation templates
- CodePipeline + CodeBuild + CloudFormation
- Pipeline stages
  - Source stage
  - Build stage
  - Development stage
  - Production stage
- Define pipeline in CloudFormation

#### Solution Overview



### Creating a CodeBuild Image

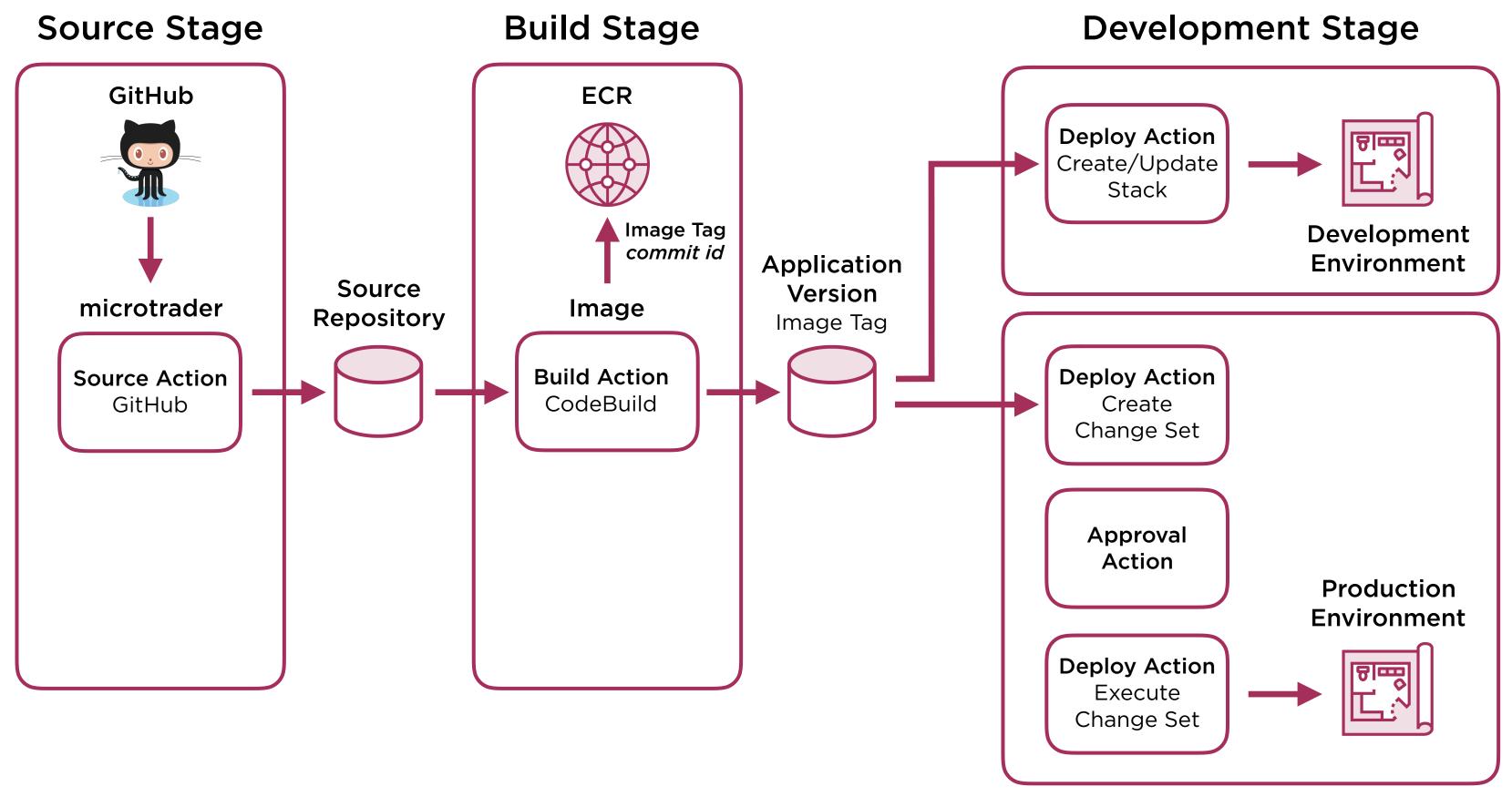




#### Adding CodeBuild Support for Build Actions

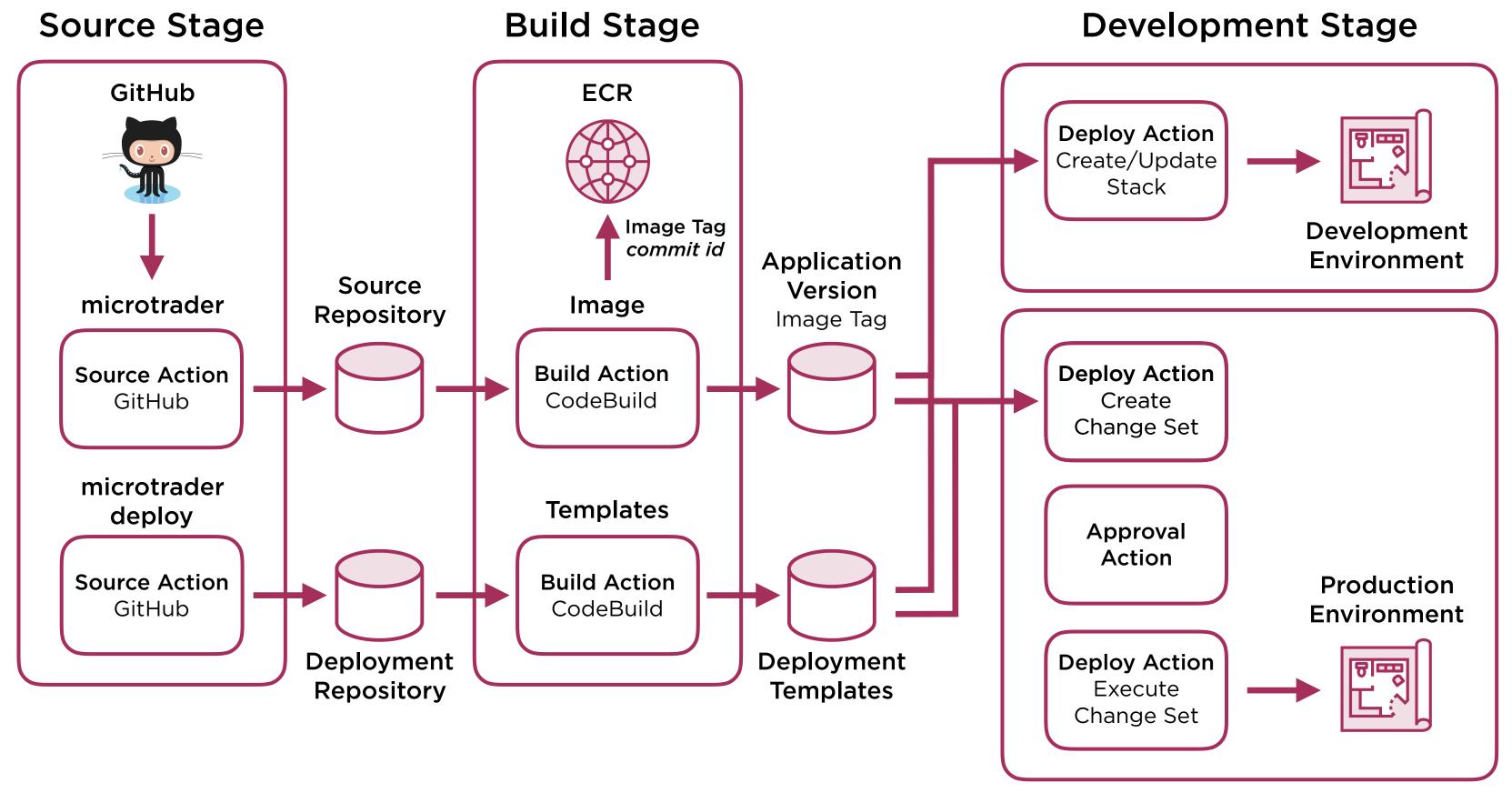
## Creating a Pipeline

## Creating an Application Version Artifact



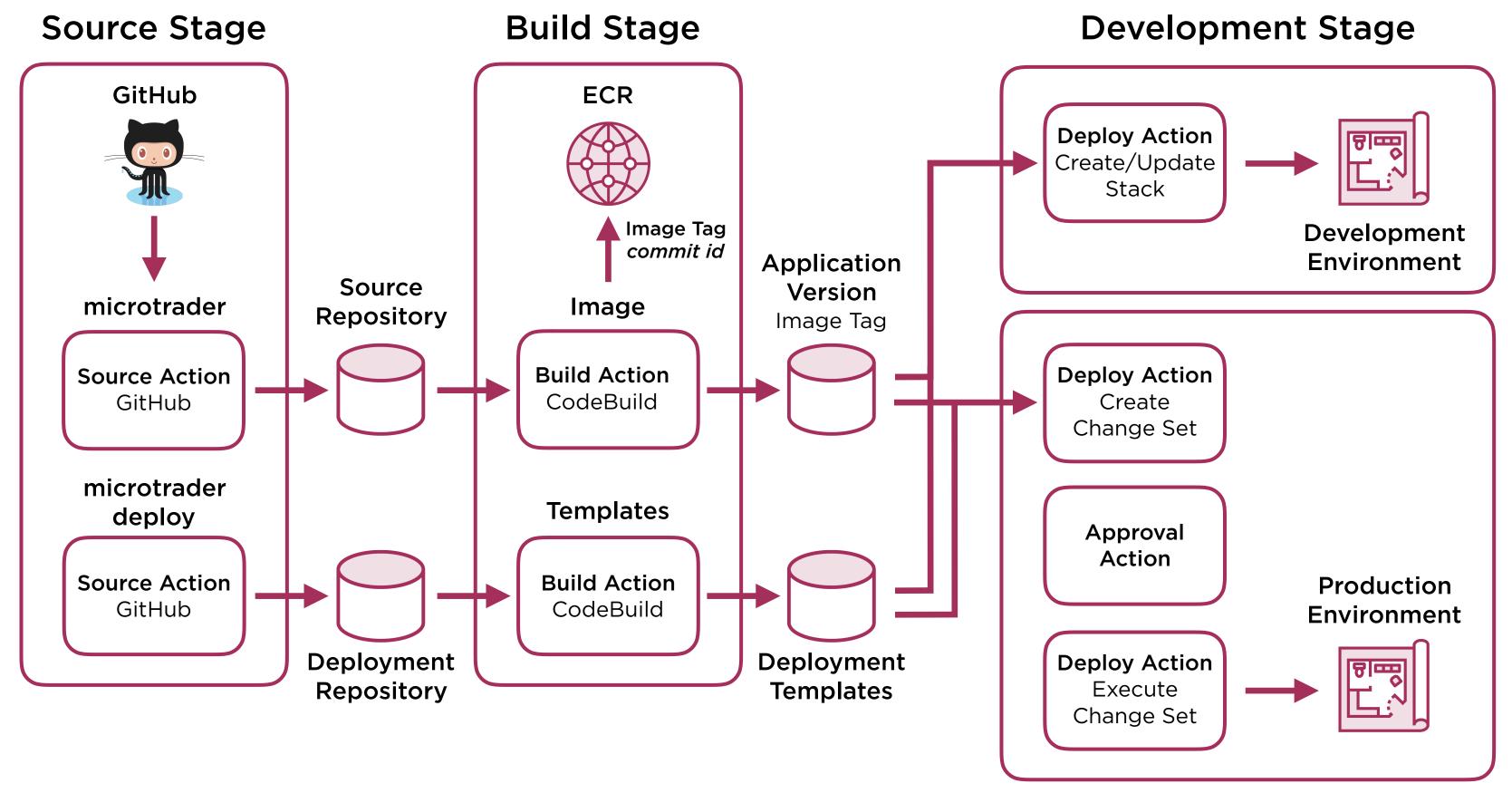
**Production Stage** 

#### Adding CodeBuild Support for Deploy Tasks



**Production Stage** 

## Creating Deployment Templates

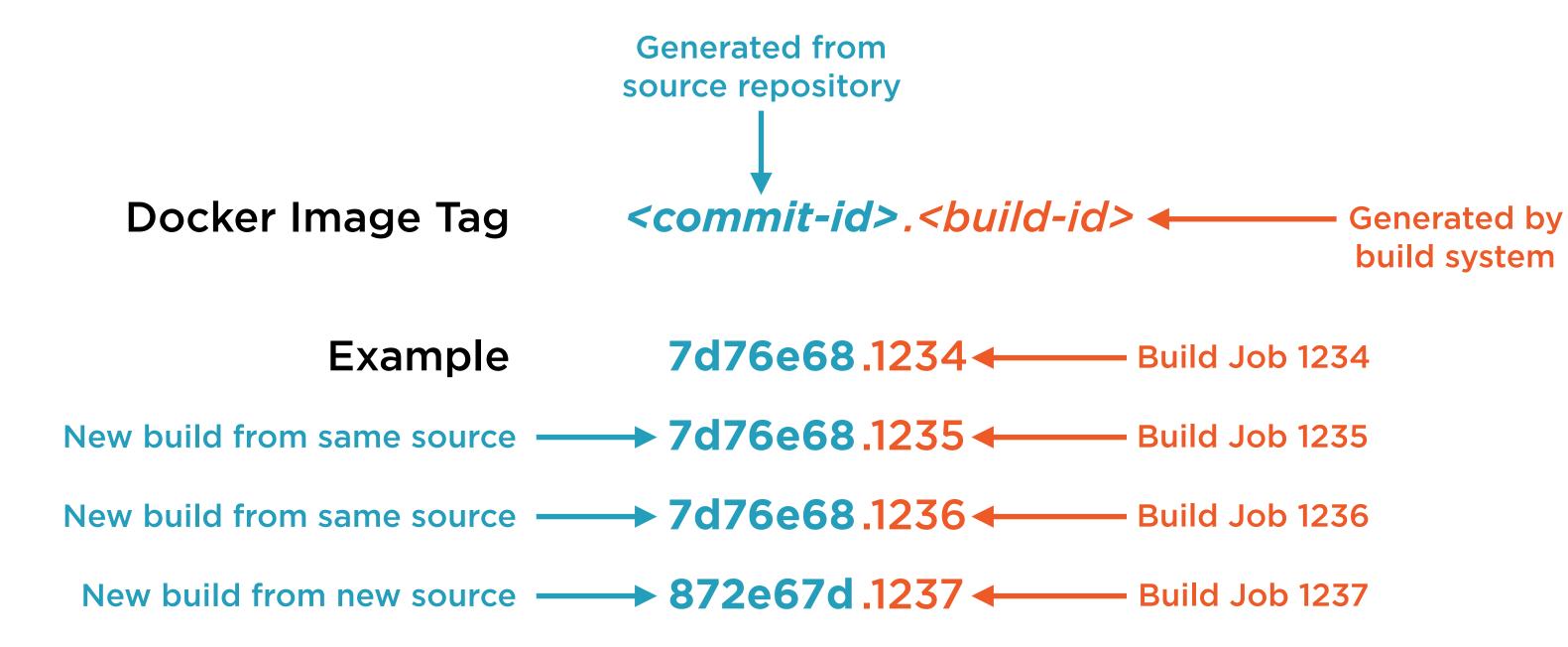


**Production Stage** 

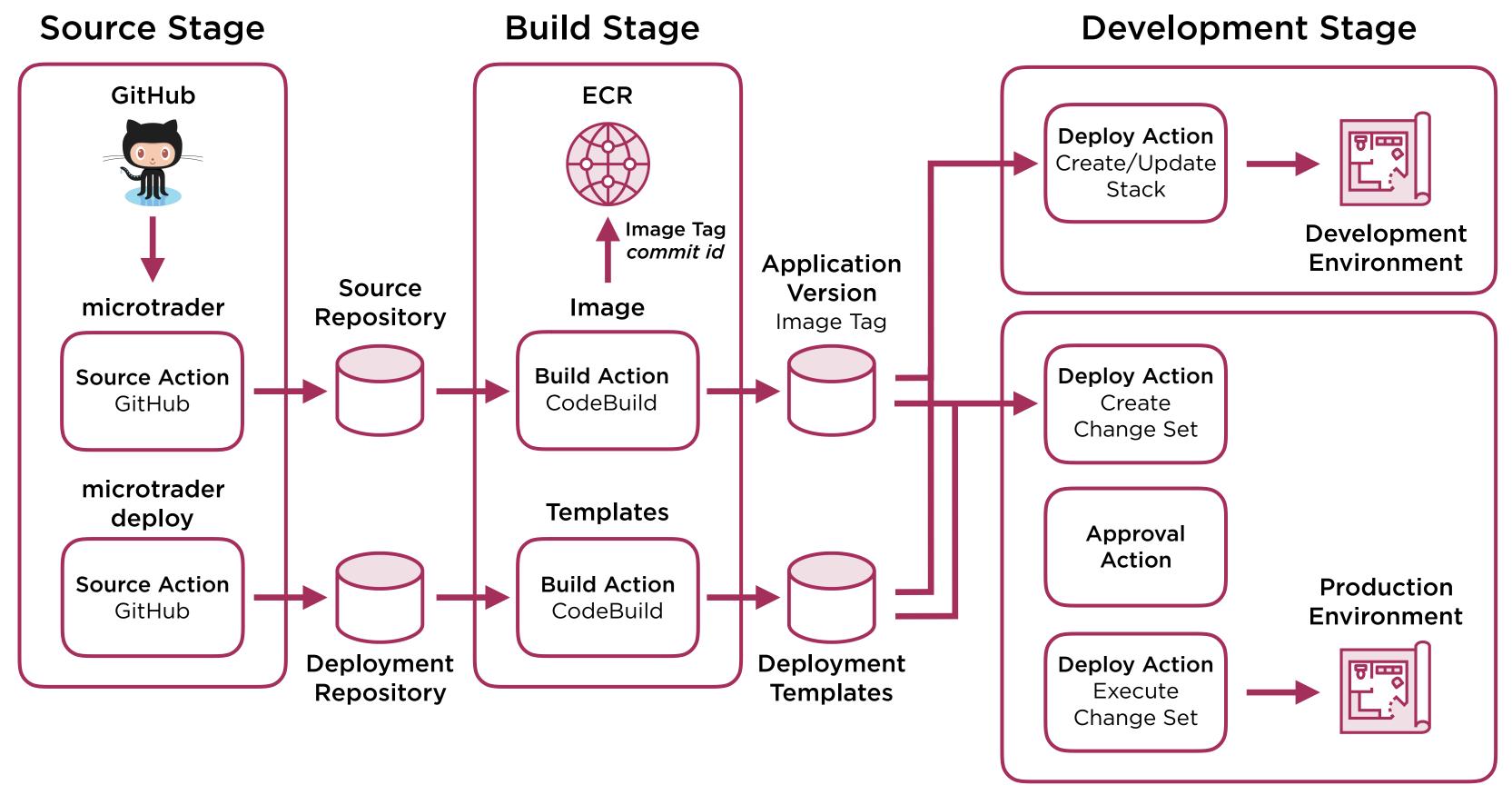
## Creating a Deployment Action

## Ensuring Immutable Artifacts

#### Immutable Artifacts using Build Identifiers



## Deploying to Production



**Production Stage** 

#### Creating Pipelines in CloudFormation

#### Defining the Source Stage in CloudFormation

#### Defining the Build Stage in CloudFormation

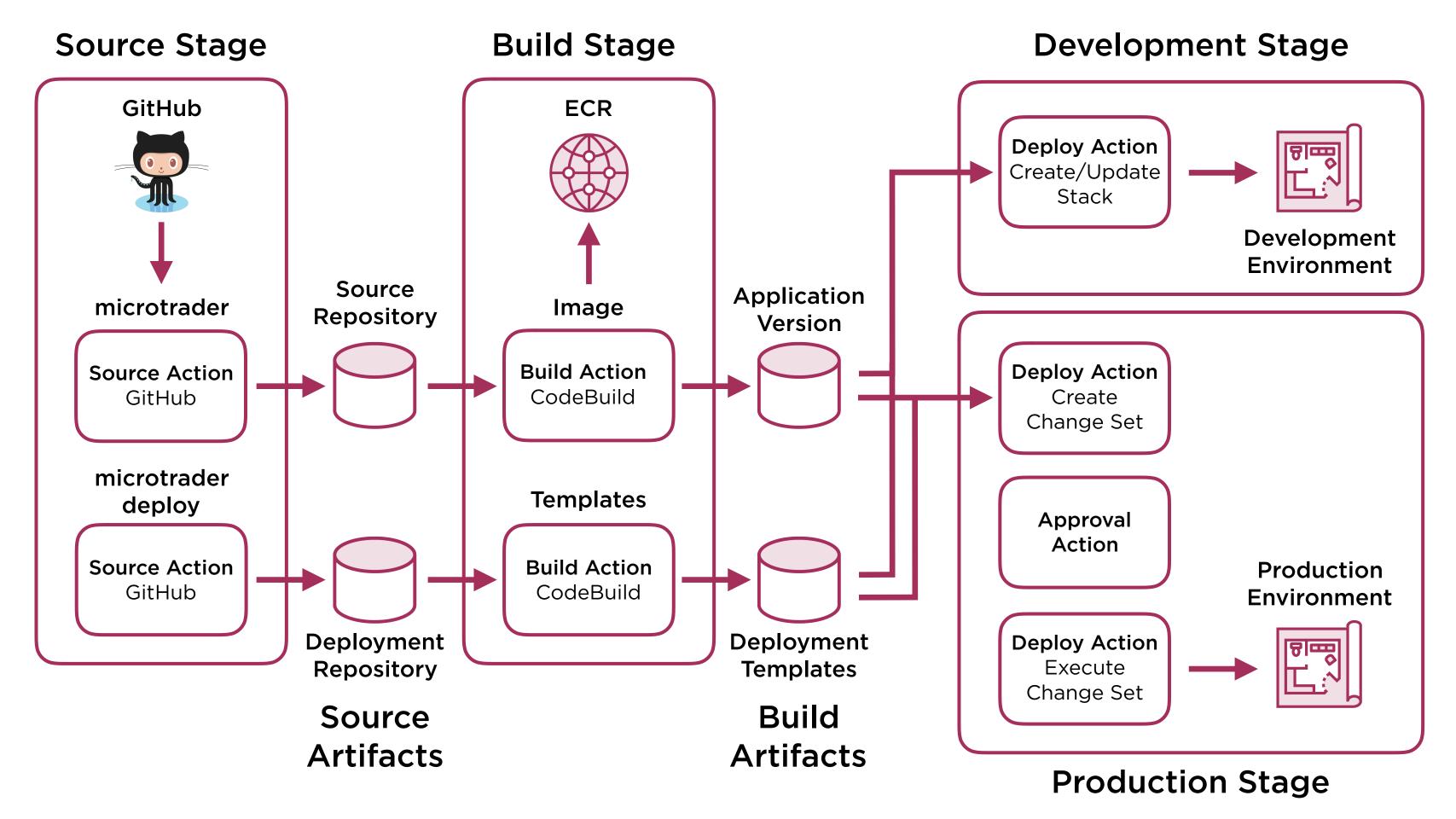
#### Defining Deploy Stages in CloudFormation

## Deploying a Pipeline Using CloudFormation

#### Summary

#### Continuous Delivery using CodePipeline

- CodePipeline
- CodeBuild
- CloudFormation
- Pipeline Components
  - Stages
  - Actions



# Thank You!