

# AWS CICD (GitHub Actions)

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## Duration

- 8h

## Entry requirements

- Completion of an AWS Basics module or equivalent knowledge
  - Note: You may want to check the contents of the AWS Basics module to confirm whether you are familiar with the concepts presented in this training
- Basic knowledge of any programming language
- Creation of AWS Sandbox account & Initial login to AWS
- Creation of IAM technical user and credentials
- Creation of GitHub account

## Goals

- Understand basics of CICD and GitHub Actions
- Gain hands-on experience with GitHub Actions UI
- Learn how to write custom actions
- Understand real CICD pipelines
- Learn how to write simple CICD pipeline in GitHub Actions

## Program

- Welcome & GitHub accounts preparation
- Introduction to CICD
- Understanding GitHub Actions
- First Hands-on: Getting started with GitHub Actions
- Second Hands-on: Custom Composite Actions
- Third Hands-on: Implementing real CICD workflows
  - Build & Test
  - Deploy to AWS
- Summary & Questions

## Disclaimers

- This training does not focus on preparation to any CICD certification
- This training is focused on initial and practical experience of GitHub Actions