GitHub Actions: Continuous Delivery with AWS
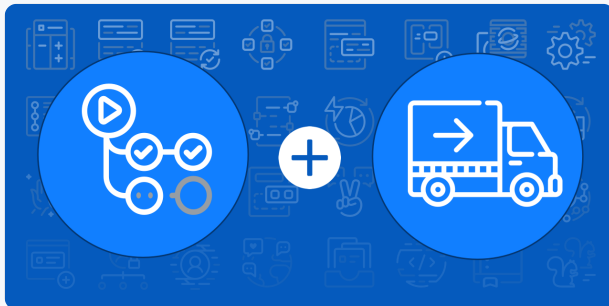
🖼️ The GitHub Training Team

Create two deployment workflows using AWS.

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This course is about continuous delivery, or CD, with GitHub Actions. CD is a crucial part of modern software development, and it can have a monumental impact on development projects.

Continuous Delivery is the practice of delivering software faster and with higher quality. Doing so successfully requires many different practices, behaviors, and technologies. GitHub Actions makes implementing CD easier, faster, and more reliable.

In this course, we focus on using workflows in GitHub Actions to deploy pull requests automatically to a staging environment, and to deploy all merged commits to production.

Please note: You may need a credit card to create an account with a cloud provider. If you're a student, you may also be able to take advantage of the Student Developer Pack for access to a cloud provider. If you'd like to continue with the course without an account with a cloud provider, Learning Lab will still respond, but none of the deployments will work.

What you'll learn

We'll answer common questions like:

- What is Continuous Delivery?
- What is a workflow file and how are workflows used with GitHub Actions?
- What are deployment triggers and how are they used with deployments?
- How can secrets store tokens?

And when you're done you'll be able to:

- Use GitHub Actions and create workflow files
- Use secrets to store tokens
- Deploy to staging and production using GitHub Actions to implement CD

What you'll build

In this course, we'll be walking through a CD deployment using GitHub Actions, and creating a Tic Tac Toe game!
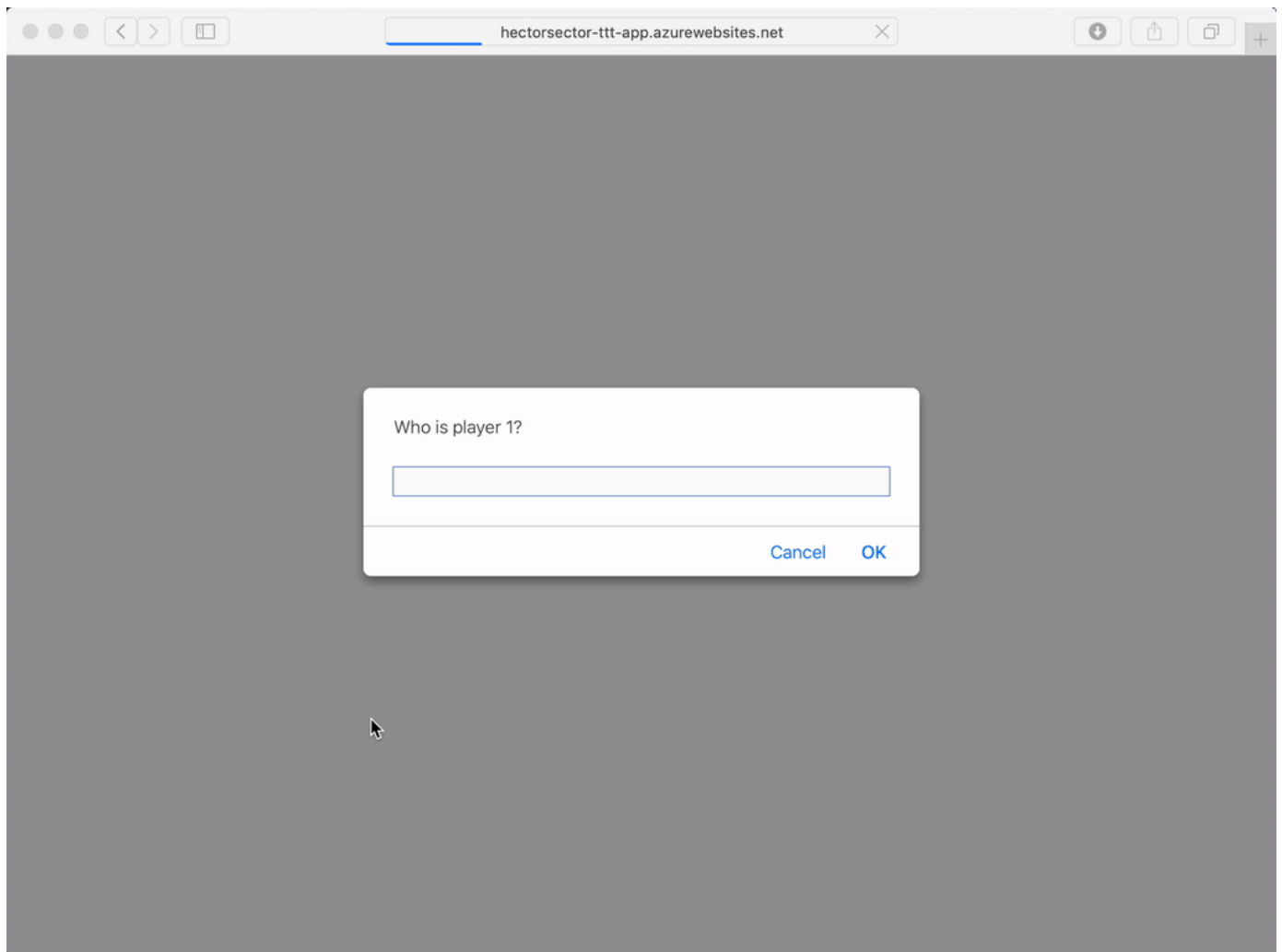
Prerequisites

Before you start, you should be familiar with GitHub and Continuous Integration. We recommend taking the following three Learning Labs prior to this course:

- [Introduction to GitHub](#)
- [Hello GitHub Actions!](#)
- [Continuous Integration with GitHub Actions](#)

Projects used

This course makes use of the following technologies:

- [Node.js](#)
- AWS - [create an account](#) if you don't already have one.
- [Amazon S3](#) Buckets

Audience

Developers, DevOps Engineers, students, teams

▶ Steps to complete this course **11**

Tags

● GitHub Actions ● Workflows ● CD ● Amazon Web Services (AWS) ● Deployment

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Average time to complete

92 minutes

Free

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Learn how to create workflows that enable you to use Continuous Integration (CI) for your projects.

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Create a
workflow.

What is GitHub Learning Lab?

Learn new skills by completing fun, realistic projects in your very own GitHub repository.

Ready to start learning?

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