

Automate your workflow with GitHub Actions

4400 XP

5 hr 13 min • Learning Path • 6 Modules

- Beginner
- Intermediate
- DevOps Engineer
- Administrator
- Developer
- Solution Architect
- GitHub
- Azure

Learn how GitHub Actions enables you to automate your software development cycle and deploy applications to Azure.

In this learning path, you'll:

- Plan automation of your software development life cycle with GitHub Actions workflows.
- Use GitHub Actions to automatically build your application.
- Deploy to Microsoft Azure with GitHub Actions.
- Use GitHub Script to interact with the GitHub API.
- Publish automatically and securely your code libraries or Docker images with GitHub Packages.

Prerequisites

- A [GitHub](#) account
- An [Azure subscription](#)

Save

Modules in this learning path



Introduction to GitHub

600 XP

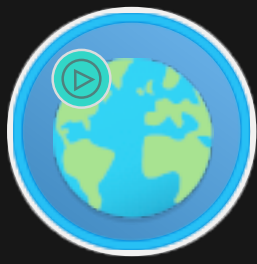
1 hr 12 min • Module • 5 Units

★★★★★ 4.8 (2,165)

Learn to use key GitHub features, including issues, notifications, branches, commits, and pull requests.

Overview

Save



Automate development tasks by using GitHub Actions

800 XP

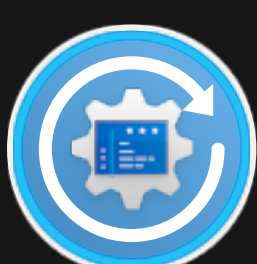
49 min • Module • 7 Units

★★★★★ 4.8 (745)

Create a basic GitHub Action and use that action in a workflow.

Overview

Save



Build continuous integration (CI) workflows by using GitHub Actions

700 XP

1 hr 7 min • Module • 6 Units

★★★★★ 4.8 (736)

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

Overview

Save



Build and deploy applications to Azure by using GitHub Actions

700 XP

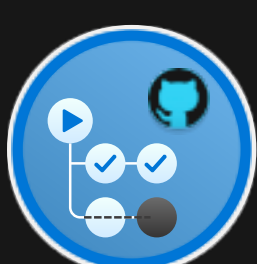
59 min • Module • 6 Units

★★★★★ 4.8 (687)

Create two deployment workflows using GitHub Actions and Microsoft Azure.

Overview

Save



Automate GitHub by using GitHub Script

600 XP

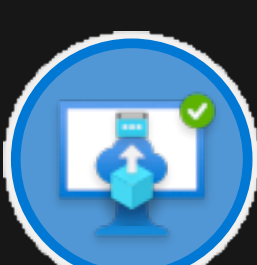
25 min • Module • 5 Units

★★★★★ 4.8 (654)

Learn to interact with the GitHub API from GitHub Actions by using GitHub Script.

Overview

Save



Leverage GitHub Actions to publish to GitHub Packages

1000 XP

41 min • Module • 8 Units

★★★★★ 4.8 (507)

Publish automatically and securely your code libraries or Docker images with GitHub Packages. You'll also locally run Docker images published into GitHub Packages.

Overview

Save