

GH - 200T00-A : Automate your workflow with GitHub Actions

Course Outline

1. Automate development tasks by using GitHub Actions

- Introduction
 - How does GitHub Actions automate development tasks?
 - Identify the components of GitHub Actions
 - Configure a GitHub Actions workflow
 - Exercise – Create and run a basic GitHub Actions workflow
 - Module assessment
 - Summary
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2. Build continuous integration workflows by using GitHub Actions

- Introduction
 - How do I use GitHub Actions to create workflows for CI?
 - Manage and debug workflows in GitHub Actions
 - Customize your workflow with environment variables
 - Cache, share, and debug workflows
 - Exercise – Create the CI workflow on GitHub
 - Module assessment
 - Summary
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3. Build and deploy applications to Azure by using GitHub Actions

- Introduction
 - How do I use GitHub Actions to deploy to Azure?
 - Remove artifacts, create status badges, and configure environment protections
 - Exercise – Create a workflow that deploys a web app to Azure
 - Module assessment
 - Summary
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4. Automate GitHub by using GitHub Script

- Introduction
 - What is GitHub Script?
 - Exercise – Using GitHub Script in GitHub Actions
 - Module assessment
 - Summary
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