

# GH-200T00 Automate your workflow with GitHub Actions

**Category:** Software Development & Programming | **Vendor:** Microsoft Technical

**Duration:** 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ★ 4.6 (5,878 reviews)

## Course Information

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|-------------------------|-------------------------|
| <b>Delivery Format:</b> | Instructor Led - Online |
| <b>Certification:</b>   | GitHub Actions          |
| <b>Related Exam:</b>    | GH-200                  |

## Course Overview

Learn how GitHub Actions enables you to automate your software development cycle. You'll learn how to plan automation of your software development life cycle with GitHub Actions workflows, use GitHub Actions to automatically build an application, and use GitHub Script to interact with the GitHub API.

## About This Course

Learn how GitHub Actions enables you to automate your software development cycle. You'll learn how to plan automation of your software development life cycle with GitHub Actions workflows, use GitHub Actions to automatically build an application, and use GitHub Script to interact with the GitHub API.

## Who Should Attend

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This course is intended for students who want to use GitHub to help developers and DevOps engineers build and deploy applications quickly. Additionally, students will discover which GitHub Actions features are available for their enterprise instance and learn how to use them.

# Learning Outcomes

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**Upon successful completion of this course, participants will be able to:**

Course Objectives: Understand the fundamentals of GitHub Actions and plan automation workflows. Create and trigger CI workflows to build and test applications using GitHub Actions. Deploy applications to Microsoft Azure using GitHub Actions and secure credentials. Use GitHub Script and Octokit to automate issues and project management tasks. Publish packages to GitHub Packages using authenticated and secure workflows. Create, manage, and publish custom actions while implementing enterprise-scale governance., Course Objectives: Understand the fundamentals of GitHub Actions and plan automation workflows. Create and trigger CI workflows to build and test applications using GitHub Actions. Deploy applications to Microsoft Azure using GitHub Actions and secure credentials. Use GitHub Script and Octokit to automate issues and project management tasks. Publish packages to GitHub Packages using authenticated and secure workflows. Create, manage, and publish custom actions while implementing enterprise-scale governance., Course Objectives: Understand the fundamentals of GitHub Actions and plan automation workflows. Create and trigger CI workflows to build and test applications using GitHub Actions. Deploy applications to Microsoft Azure using GitHub Actions and secure credentials. Use GitHub Script and Octokit to automate issues and project management tasks. Publish packages to GitHub Packages using authenticated and secure workflows. Create, manage, and publish custom actions while implementing enterprise-scale governance., Course Objectives: Understand the fundamentals of GitHub Actions and plan automation workflows. Create and trigger CI workflows to build and test applications using GitHub Actions. Deploy applications to Microsoft Azure using GitHub Actions and secure credentials. Use GitHub Script and Octokit to automate issues and project management tasks. Publish packages to GitHub Packages using authenticated and secure workflows. Create, manage, and publish custom actions while implementing enterprise-scale governance.

## Detailed Course Outline

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### 1 - Automate development tasks by using GitHub Actions

- How does GitHub Actions automate development tasks?
- Identify the components of GitHub Actions
- Configure a GitHub Actions workflow
- Module assessment

## **2 - Build continuous integration workflows by using GitHub Actions**

- 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
- Module assessment

## **3 - Build and deploy applications to Azure by using GitHub Actions**

- How do I use GitHub Actions to deploy to Azure?
- Remove artifacts, create status badges, and configure environment protections
- Module assessment

## **4 - Automate GitHub by using GitHub Script**

- What is GitHub Script?
- Module assessment

## **5 - Leverage GitHub Actions to publish to GitHub Packages**

- What is GitHub Packages?
- Publish to GitHub Packages and GitHub Container Registry
- GitHub Packages for code packages
- Module assessment

## **6 - Create and publish custom GitHub actions**

- Create a custom GitHub action
- Publish a custom GitHub action
- Module assessment

## **7 - Manage GitHub Actions in the enterprise**

- Understanding GitHub enterprise models
- Manage actions and workflows
- Control access and usage of actions in your enterprise
- Managing and leveraging reusable components in GitHub Actions
- Manage runners
- Configure self-hosted runners for enterprise use
- Manage encrypted secrets
- Module assessment

, Automate your workflow with GitHub Actions Part 1 of 2, Automate your workflow with GitHub Actions Part 2 of 2

## **Certification Path**

GitHub Actions

Exam: GH-200



# Frequently Asked Questions

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## **Q: What delivery options are available for GH-200T00 Automate your workflow with GitHub Actions?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: What certification does this course prepare me for?**

The GH-200T00 Automate your workflow with GitHub Actions course helps prepare you for the GitHub Actions certification path.

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## **Q: Which exam does this course prepare me for?**

This course prepares you for the GH-200 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

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## **Q: How many CPD hours does this course provide?**

The 1-day GH-200T00 Automate your workflow with GitHub Actions course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the GH-200T00 Automate your workflow with GitHub Actions training?**

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

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**Q: Do you provide corporate training for GH-200T00 Automate your workflow with GitHub Actions?**

Yes, we provide corporate training, dedicated training, and closed classes for GH-200T00 Automate your workflow with GitHub Actions. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

**Q: What related terms do people search for?**

Popular related searches include: GH-200T00: Automate your workflow with GitHub Actions, Microsoft, vILT, GH-200T00

**Q: Why choose Nexus Human for GH-200T00 Automate your workflow with GitHub Actions?**

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

**Q: Are there any discount codes available?**

Yes! Use discount code **PENPAL5** when booking your GH-200T00 Automate your workflow with GitHub Actions training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.



