GH-100 GitHub fundamentals - Administration basics and product features

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

Delivery Format:	Instructor Led - Online
Certification:	GitHub Foundations
Related Exam:	GH-100

Course Overview

In this course, you'll learn the basics of GitHub and gain a better understanding of its fundamental features with a hands-on exercise all within a GitHub repository. You'll learn best practices for building, hosting, and maintaining a secure repository on GitHub.

About This Course

In this course, you'll learn the basics of GitHub and gain a better understanding of its fundamental features with a hands-on exercise all within a GitHub repository. You'll learn best practices for building, hosting, and maintaining a secure repository on GitHub.

Who Should Attend

This course in intended for students who want to understand and GitHub best practices. You will understand the fundamental features of GitHub, learn about repository management, gain an understanding of the GitHub flow, including branches, commits, and pull requests. Additionally, you will explore the collaborative features of GitHub by reviewing issues and discussions and be able to manage your GitHub notifications and subscriptions.

Prerequisites & Entry Requirements

General Prerequisites:

Familiarity with personal and organizational authentication technologies and processes would be helpful

Detailed Course Outline

1 - Introduction to GitHub

- What is GitHub?
- Components of the GitHub flow
- GitHub is a collaborative platform
- GitHub platform management
- Module assessment

2 - Introduction to GitHub administration

- What is GitHub administration?
- How does GitHub authentication work?
- How does GitHub organization and permissions work?
- Managing enterprise access, permissions, and governance
- Module assessment

3 - Introduction to GitHub's products

- GitHub accounts and plans
- GitHub Mobile and GitHub Desktop
- GitHub billing
- License Usage Stats
- License Usage Stats in Machine and Peripheral Devices
- Metered Usage Reports
- Module assessment

4 - Maintain a secure repository by using GitHub best practices

- How to maintain a secure GitHub repository
- Automated security
- Module assessment

5 - Manage sensitive data and security policies within GitHub

- Setting security policies
- Create and manage repository rulesets
- Reporting and logging
- Module assessment

6 - Authenticate and authorize user identities on GitHub

- User identity and access management
- User authentication
- User authorization
- Team synchronization
- Module assessment

7 - GitHub administration for enterprise support and adoption

- GitHub Enterprise features
- Support for GitHub Enterprise
- Scale your enterprise deployment
- GitHub Enterprise Managed Users
- Module assessment

8 - 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

9 - 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

Certification Path

GitHub Foundations

Exam: GH-100

Frequently Asked Questions

Q: What delivery options are available for GH-100 GitHub fundamentals - Administration basics and product features?

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

Q: What certification does this course prepare me for?

The GH-100 GitHub fundamentals - Administration basics and product features course helps prepare you for the GitHub Foundations certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the GH-100 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.

Q: How many CPD hours does this course provide?

The 1-day GH-100 GitHub fundamentals - Administration basics and product features course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the GH-100 GitHub fundamentals - Administration basics and product features training?

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

Q: Do you provide corporate training for GH-100 GitHub fundamentals - Administration basics and product features?

Yes, we provide corporate training, dedicated training, and closed classes for GH-100 GitHub fundamentals - Administration basics and product features. 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: Why choose Nexus Human for GH-100 GitHub fundamentals - Administration basics and product features?

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-100 GitHub fundamentals - Administration basics and product features training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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