GH-500 GitHub Advanced Security

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 Advanced Security
Related Exam:	GH-500

Course Overview

GitHub Advanced Security (GHAS) plays a crucial role in enhancing the security posture of software development projects on GitHub. It provides a comprehensive set of tools and features designed to identify and address security vulnerabilities throughout the development lifecycle. By integrating security directly into the development process with GHAS, your team can build more secure and reliable software. The course will explore how to utilize GHAS to maximize security impact and understand GHAS and its role in the security ecosystem.

About This Course

GitHub Advanced Security (GHAS) plays a crucial role in enhancing the security posture of software development projects on GitHub. It provides a comprehensive set of tools and features designed to identify and address security vulnerabilities throughout the development lifecycle. By integrating security directly into the development process with GHAS, your team can build more secure and reliable software. The course will explore how to utilize GHAS to maximize security impact and understand GHAS and its role in the security ecosystem.

Who Should Attend

This course in intended for students who want to understand and implement advanced security practices with the help of GitHub Advanced Security (GHAS). They will learn how to significantly enhance software development processes and create a more resilient and secure development ecosystem using developer-first solutions to unlock the ability to keep code, supply chain, and secrets secure before you push to production. They will learn how GHAS gives security teams visibility into the cross-organizational security posture and supply chain and unparalleled access to curated security intelligence from millions of developers and security researchers around the world.

Prerequisites & Entry Requirements

General Prerequisites:

Basic understanding of GitHub fundamentals

Detailed Course Outline

1 - Introduction to GitHub Advanced Security

- Define GHAS and the importance of its integral features
- How to utilize GHAS to get the most impact
- Understand GHAS and its role in the security ecosystem
- Module assessment

2 - Configure Dependabot security updates on your GitHub repo

- Manage your dependencies on GitHub
- Dependabot alerts
- Dependabot security updates
- Manage Dependabot notifications and reports
- Dependency review
- Module assessment

3 - Configure and use secret scanning in your GitHub repository

- What is secret scanning?
- Configure secret scanning
- Use secret scanning
- Module assessment

4 - Configure code scanning on GitHub

- What is code scanning?
- Enable code scanning with third party tools
- Configure code scanning
- Configure code scanning exercise
- Module assessment

5 - Identify security vulnerabilities in your codebase by using CodeQL

- Prepare a database for CodeQL
- Run CodeQL in a database
- Understand CodeQL results
- Troubleshoot CodeQL results
- Module assessment

6 - Code scanning with GitHub CodeQL

- What is CodeQL?
- How does CodeQL analyze code?
- What is QL?
- Code scanning and CodeQL
- Customize your code scanning workflow with CodeQL - Part 1
- Customize your code scanning workflow with CodeQL - Part 2
- Use the CodeQL CLI
- Customize languages and builds for code scanning
- Module assessment

7 - GitHub administration for GitHub Advanced Security

- What is GitHub Advanced Security?
- Enable GitHub Advanced Security
- Manage access to GitHub Advanced Security
- Manage the GitHub Advanced Security features and alerts
- Module assessment

8 - Manage sensitive data and security policies within GitHub

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

🎓 Certification Path

GitHub Advanced Security

Exam: GH-500

Upcoming Schedule

Available training dates for GH-500 GitHub Advanced Security:

Start Date	End Date	Location	Delivery	Price
28 Dec 2026	28 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for GH-500 GitHub Advanced Security?

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-500 GitHub Advanced Security course helps prepare you for the GitHub Advanced Security certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the GH-500 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-500 GitHub Advanced Security 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-500 GitHub Advanced Security 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-500 GitHub Advanced Security?

Yes, we provide corporate training, dedicated training, and closed classes for GH-500 GitHub Advanced Security. 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-500 GitHub Advanced Security?

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-500 GitHub Advanced Security training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 13/11/2026.