

PROFESSIONAL COURSE OUTLINE

Microsoft

GH-500

GitHub Advanced Security

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.

Security

Intermediate

Github

PROGRAM CODE

GH-500

DELIVERY

Virtual, On-site, or Hybrid

DURATION

1 day

CERTIFICATION

GitHub Advanced Security

AUDIENCE PROFILE

Who This Program Is For

This course is 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.

PROGRAM SUMMARY

What This Course Covers

Candidates for this exam have experience using GitHub Advanced Security (GHAS) to secure code, secrets, and dependencies across the software development lifecycle.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.

COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.

1

MODULE 1

GitHub Advanced Security Part 1 of 2

Learn how to secure your code with advanced security features at every stage of your development lifecycle. GitHub Advanced Security is an add-on to GitHub Enterprise that allows you to use security features, such as secret scanning, code scanning, and dependency management on your private repositories.

- Introduction to GitHub Advanced Security
- Configure Dependabot security updates on your GitHub repo
- Configure and use secret scanning in your GitHub repository
- Configure code scanning on GitHub

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MODULE 2

GitHub Advanced Security Part 2 of 2

Learn how to secure your code with advanced security features at every stage of your development lifecycle. GitHub Advanced Security is an add-on to GitHub Enterprise that allows you to use security features, such as secret scanning, code scanning, and dependency management on your private repositories. This is the second learning path out of two learning paths of GHAS.

- Identify security vulnerabilities in your codebase by using CodeQL
- Code scanning with GitHub CodeQL
- GitHub administration for GitHub Advanced Security
- Manage sensitive data and security policies within GitHub

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