



# GitHub Advanced Security - Developer

3 Hours / Instructor-Led / Format: On-Site or Virtual

Contact Us for Pricing

**About this Course:** GitHub Advanced Security allows you to have a “developer-first” approach to Application Security, recognizing that developers have a critical role to play in securing your applications. This training will enable developers in your organization to both understand and effectively use the features of Advanced Security.

## Key Learning Areas:

- Understand the features available in GitHub Advanced Security
- Hands-on experience enabling GitHub Advanced Security features
- Reduce developer friction by increasing awareness of GitHub Advanced Security features

**Who Should Attend:** Developers, Product Security teams, DevSecOps teams

**Prerequisites:** It is recommended that the developers have access to GHAS licenses before attending the developer training session

## Course Outline:

### What is GitHub Advanced Security (GHAS)

- Features of GHAS
- The benefits of using GHAS

### Securing Dependencies

- Dependency Review
- Dependabot & Dependency Graph

### Secret Scanning

- Using Secret Scanning
- Create custom secrets

### Code Scanning

- Using CodeScanning
- Using 3rd Party Tools with SARIF

**CodeQL**

- What is CodeQL
- How to Interact with CodeQL
- Setting Up CodeQL GitHub Actions

**GHAS in the Developer flow****Learning Outcomes/Business Outcomes:**

- Understand the key components of GitHub Advanced Security (Code Scanning, Secret Scanning and Dependabot).
- Enable Secret Scanning and understand how to triage and remediate results
- Enable Dependabot and understand how to triage and remediate results
- Enable CodeQL analysis within GitHub Actions to perform static analysis for commonly used languages.
- Configure GitHub Actions to trigger CodeQL analysis on both a schedule and in response to a Pull Request
- Interact effectively with the Code Scanning user interface to understand, triage and remediate reported vulnerabilities.
- Understand how to configure CodeQL to improve the quality of results.
- Understand how to integrate common third-party tools into Code Scanning via GitHub Actions.