Prepare Your Microsoft GH-500 Exam with Reliable GH-500 Reliable Exam Guide: GitHub Advanced Security Efficiently

TrainingDumps is one of the trusted and reliable platforms that is committed to offering quick GH-500 exam preparation. To achieve this objective TrainingDumps is offering valid, updated, and Real GH-500 Exam Questions. These TrainingDumps GitHub Advanced Security (GH-500) exam dumps will provide you with everything that you need to prepare and pass the final GH-500 exam with flying colors.

Microsoft GH-500 Exam Syllabus Topics:

Topic	Details
Topic 1	• Describe the GHAS security features and functionality: This section of the exam measures skills of Security Engineers and Software Developers and covers understanding the role of GitHub Advanced Security (GHAS) features within the overall security ecosystem. Candidates learn to differentiate security features available automatically for open source projects versus those unlocked when GHAS is paired with GitHub Enterprise Cloud (GHEC) or GitHub Enterprise Server (GHES). The domain includes knowledge of Security Overview dashboards, the distinctions between secret scanning and code scanning, and how secret scanning, code scanning, and Dependabot work together to secure the software development lifecycle. It also covers scenarios contrasting isolated security reviews with integrated security throughout the development lifecycle, how vulnerable dependencies are detected using manifests and vulnerability databases, appropriate responses to alerts, the risks of ignoring alerts, developer responsibilities for alerts, access management for viewing alerts, and the placement of Dependabot alerts in the development process.
Topic 2	• Configure and use secret scanning: This domain targets DevOps Engineers and Security Analysts with the skills to configure and manage secret scanning. It includes understanding what secret scanning is and its push protection capability to prevent secret leaks. Candidates differentiate secret scanning availability in public versus private repositories, enable scanning in private repos, and learn how to respond appropriately to alerts. The domain covers alert generation criteria for secrets, user role-based alert visibility and notification, customizing default scanning behavior, assigning alert recipients beyond admins, excluding files from scans, and enabling custom secret scanning within repositories.

Topic 3	• Configure and use Dependabot and Dependency Review: Focused on Software Engineers and Vulnerability Management Specialists, this section describes tools for managing vulnerabilities in dependencies. Candidates learn about the dependency graph and how it is generated, the concept and format of the Software Bill of Materials (SBOM), definitions of dependency vulnerabilities, Dependabot alerts and security updates, and Dependency Review functionality. It covers how alerts are generated based on the dependency graph and GitHub Advisory Database, differences between Dependabot and Dependency Review, enabling and configuring these tools in private repositories and organizations, default alert settings, required permissions, creating Dependabot configuration files and rules to auto-dismiss alerts, setting up Dependency Review workflows including license checks and severity thresholds, configuring notifications, identifying vulnerabilities from alerts and pull requests, enabling security updates, and taking remediation actions including testing and merging pull requests.
Topic 4	• Configure and use Code Scanning with CodeQL: This domain measures skills of Application Security Analysts and DevSecOps Engineers in code scanning using both CodeQL and third-party tools. It covers enabling code scanning, the role of code scanning in the development lifecycle, differences between enabling CodeQL versus third-party analysis, implementing CodeQL in GitHub Actions workflows versus other CI tools, uploading SARIF results, configuring workflow frequency and triggering events, editing workflow templates for active repositories, viewing CodeQL scan results, troubleshooting workflow failures and customizing configurations, analyzing data flows through code, interpreting code scanning alerts with linked documentation, deciding when to dismiss alerts, understanding CodeQL limitations related to compilation and language support, and defining SARIF categories.
Topic 5	• Describe GitHub Advanced Security best practices, results, and how to take corrective measures: This section evaluates skills of Security Managers and Development Team Leads in effectively handling GHAS results and applying best practices. It includes using Common Vulnerabilities and Exposures (CVE) and Common Weakness Enumeration (CWE) identifiers to describe alerts and suggest remediation, decision-making processes for closing or dismissing alerts including documentation and data-based decisions, understanding default CodeQL query suites, how CodeQL analyzes compiled versus interpreted languages, the roles and responsibilities of development and security teams in workflows, adjusting severity thresholds for code scanning pull request status checks, prioritizing secret scanning remediation with filters, enforcing CodeQL and Dependency Review workflows via repository rulesets, and configuring code scanning, secret scanning, and dependency analysis to detect and remediate vulnerabilities earlier in the development lifecycle, such as during pull requests or by enabling push protection.

>> GH-500 Reliable Exam Guide <<

GH-500 Exam Objectives, GH-500 Test Answers

Before clients buy our GH-500 questions torrent they can download them and try out them freely. The pages of our product provide the demo and the aim is to let the client know part of our titles before their purchase and what form our GH-500 guide torrent is. You can visit our website and read the pages of our product. The pages introduce the quantity of our questions and answers of our GH-500 Guide Torrent, the time of update, the versions for you to choose and the price of our product. After you try out the free demo you could decide whether our GH-500 exam torrent is worthy to buy or not. So you needn't worry that you will waste your money or our GH-500 exam torrent is useless and boosts no values.

Microsoft GitHub Advanced Security Sample Questions (Q71-Q76):

NEW QUESTION # 71
The autobuild step in the CodeQL workflow has failed. What should you do?

- A. Compile the source code.
- B. Remove the autobuild step from your code scanning workflow and add specific build steps.
- C. Use CodeQL, which implicitly detects the supported languages in your code base.
- D. Remove specific build steps.

Answer: B

Explanation:
If autobuild fails (which attempts to automatically detect how to build your project), you should disable it in your workflow and replace it with explicit build commands, using steps like run: make or run: ./gradlew build.
This ensures CodeQL can still extract and analyze the code correctly.

NEW QUESTION # 72
What are Dependabot security updates?

- A. Automated pull requests that keep your dependencies updated, even when they don't have any vulnerabilities
- B. Automated pull requests to update the manifest to the latest version of the dependency
- C. Automated pull requests that help you update dependencies that have known vulnerabilities
- D. Compatibility scores to let you know whether updating a dependency could cause breaking changes to your project

Answer: C

Explanation:
Dependabot security updates are automated pull requests triggered when GitHub detects a vulnerability in a dependency listed in your manifest or lockfile. These PRs upgrade the dependency to the minimum safe version that fixes the vulnerability.
This is separate from regular updates (which keep versions current even if not vulnerable).

NEW QUESTION # 73
Which alerts do you see in the repository's Security tab? (Each answer presents part of the solution. Choose three.)

- A. Code scanning alerts
- B. Security status alerts
- C. Dependabot alerts
- D. Secret scanning alerts
- E. Repository permissions

Answer: A,C,D

Explanation:
In a repository's Security tab, you can view:
Secret scanning alerts: Exposed credentials or tokens
Dependabot alerts: Vulnerable dependencies from the advisory database
Code scanning alerts: Vulnerabilities in code detected via static analysis (e.g., CodeQL) You won't see general "security status alerts" (not a formal category) or permission-related alerts here.

NEW QUESTION # 74
As a repository owner, you do not want to run a GitHub Actions workflow when changes are made to any .txt or markdown files. How would you adjust the event trigger for a pull request that targets the main branch? (Each answer presents part of the solution. Choose three.) on:
pull_request:
branches: [main]

- A. paths:
- B. - 'docs/*.md'
- C. paths-ignore:
- D. - '/*.txt'
- E. - '/*.md'

Answer: C,D,E

Explanation:
To exclude .txt and .md files from triggering workflows on pull requests to the main branch:
on: defines the event (e.g., pull_request)
pull_request: is the trigger
paths-ignore: is the key used to ignore file patterns

Example YAML:
yaml
CopyEdit
```
on:
pull_request:
branches:
- main
paths-ignore:
- '*.md'
- '*.txt'
```
Using paths: would include only specific files instead - not exclude. paths-ignore: is correct here.

NEW QUESTION # 75

As a repository owner, you want to receive specific notifications, including security alerts, for an individual repository. Which repository notification setting should you use?

- A. Custom
- B. Ignore
- C. All Activity
- D. Participating and @mentions

Answer: A

Explanation:
Using the Custom setting allows you to subscribe to specific event types, such as Dependabot alerts or vulnerability notifications, without being overwhelmed by all repository activity. This is essential for repository maintainers who need fine-grained control over what kinds of events trigger notifications.
This setting is configurable per repository and allows users to stay aware of critical issues while minimizing notification noise.

NEW QUESTION # 76

......

There are three versions of our GH-500 learning engine which can allow all kinds of our customers to use conveniently in different situations. They are the PDF, Software and APP online versions. I specially recomend the APP online version of our GH-500 Exam Dumps. With the online app version of our GH-500 actual exam, you can just feel free to practice the questions in our GH-500 training materials on all kinds of electronic devices, such as IPAD, telephone, computer and so on!

- Quiz 2026 Trustable Microsoft GH-500 Reliable Exam Guide 🡲 🡲 www.examcollectionpass.com 🡲 is best website to obtain 《 GH-500 》 for free download 🡲GH-500 Review Guide
- www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, learn.csisafety.com.au, www.stes.tyc.edu.tw, qiita.com, www.stes.tyc.edu.tw, www.stes.tyc.edu.tw, pct.edu.pk, www.stes.tyc.edu.tw, Disposable vapes

2026 Latest TrainingDumps GH-500 PDF Dumps and GH-500 Exam Engine Free Share: https://drive.google.com/open?id=17cLiqr3VbFvtAVJ6MrOtAM47ADVeIQyy