

Role of GitHub GitHub-Advanced-Security Exam Real Questions in Exam Success



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GitHub GitHub-Advanced-Security Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Describe GitHub Advanced Security best practices: This section of the exam measures skills of a GitHub Administrator and covers outlining recommended strategies for adopting GitHub Advanced Security at scale. Test-takers will explain how to apply security policies, enforce branch protections, shift left security checks, and use metrics from GHAS tools to continuously improve an organization's security posture.
Topic 2	<ul style="list-style-type: none">Use code scanning with CodeQL: This section of the exam measures skills of a DevSecOps Engineer and covers working with CodeQL to write or customize queries for deeper semantic analysis. Candidates should demonstrate how to configure CodeQL workflows, understand query suites, and interpret CodeQL alerts to uncover complex code issues beyond standard static analysis.
Topic 3	<ul style="list-style-type: none">Describe the GHAS security features and functionality: This section of the exam measures skills of a GitHub Administrator and covers identifying and explaining the built-in security capabilities that GitHub Advanced Security provides. Candidates should be able to articulate how features such as code scanning, secret scanning, and dependency management integrate into GitHub repositories and workflows to enhance overall code safety.

Topic 4	<ul style="list-style-type: none"> Configure and use secret scanning: This section of the exam measures skills of a DevSecOps Engineer and covers setting up and managing secret scanning in organizations and repositories. Testtakers must demonstrate how to enable secret scanning, interpret the alerts generated when sensitive data is exposed, and implement policies to prevent and remediate credential leaks.
Topic 5	<ul style="list-style-type: none"> Configure and use code scanning: This section of the exam measures skills of a DevSecOps Engineer and covers enabling and customizing GitHub code scanning with builtin or marketplace rulesets. Examinees must know how to interpret scan results, triage findings, and configure exclusion or override settings to reduce noise and focus on highpriority vulnerabilities.

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GitHub Advanced Security GHAS Exam Sample Questions (Q41-Q46):

NEW QUESTION # 41

What should you do after receiving an alert about a dependency added in a pull request?

- A. **Update the vulnerable dependencies before the branch is merged**
- B. Deploy the code to your default branch
- C. Disable Dependabot alerts for all repositories owned by your organization
- D. Fork the branch and deploy the new fork

Answer: A

Explanation:

If an alert is raised on a pull request dependency, best practice is to update the dependency to a secure version before merging the PR. This prevents the vulnerable version from entering the main codebase.

Merging or deploying the PR without fixing the issue exposes your production environment to known risks.

NEW QUESTION # 42

Which of the following features helps to prioritize secret scanning alerts that present an immediate risk?

- A. Custom pattern dry runs
- B. Non-provider patterns
- C. Push protection
- D. **Secret validation**

Answer: D

Explanation:

Secret validation checks whether a secret found in your repository is still valid and active with the issuing provider (e.g., AWS, GitHub, Stripe). If a secret is confirmed to be active, the alert is marked as verified, which means it's considered a high-priority issue because it presents an immediate security risk.

This helps teams respond faster to valid, exploitable secrets rather than wasting time on expired or fake tokens.

NEW QUESTION # 43

Which of the following tasks can be performed by a security team as a proactive measure to help address secret scanning alerts?

(Each answer presents a complete solution. Choose two.)

- A. Dismiss alerts that are older than 90 days.
- B. **Configure a webhook to monitor for secret scanning alert events.**
- C. Enable system for cross-domain identity management (SCIM) provisioning for the enterprise.
- D. **Document alternatives to storing secrets in the source code.**

Answer: B,D

Explanation:

To proactively address secret scanning:

- * Webhookscan be configured to listen for secret scanning events. This allows automation, logging, or alerting in real-time when secrets are detected.
- * Documenting secure development practices(like using environment variables or secret managers) helps reduce the likelihood of developers committing secrets in the first place.

Dismissal based on age is not a best practice without triage. SCIM deals with user provisioning, not scanning alerts.

NEW QUESTION # 44

Assuming security and analysis features are not configured at the repository, organization, or enterprise level, secret scanning is enabled on:

- A. User-owned private repositories
- B. **Public repositories**
- C. All new repositories within your organization
- D. Private repositories

Answer: B

Explanation:

By default,secret scanning is enabled automatically for all public repositories. For private or internal repositories, secret scanning must be enabled manually unless configured at the organization or enterprise level.

This default behavior helps protect open-source projects without requiring additional configuration.

NEW QUESTION # 45

Which of the following steps should you follow to integrate CodeQL into a third-party continuous integration system? (Each answer presents part of the solution. Choose three.)

- A. Upload scan results
- B. **Analyze code**
- C. Process alerts
- D. Write queries
- E. **Install the CLI**

Answer: A,B,E

Explanation:

When integrating CodeQL outside of GitHub Actions (e.g., in Jenkins, CircleCI):

- * Install the CLI: Needed to run CodeQL commands.
- * Analyze code: Perform the CodeQL analysis on your project with the CLI.
- * Upload scan results: Export the results in SARIF format and use GitHub's API to upload them to your repo's security tab. You don't need to write custom queries unless extending functionality. "Processing alerts" happens after GitHub receives the results.

NEW QUESTION # 46

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