

Updated GH-900 Latest Dumps Ebook & Leader in Qualification Exams & Newest GH-900: GitHub Foundations



The Microsoft GH-900 certification exam is one of the top rated career advancement certification exams in the market. This GitHub Foundations (GH-900) exam is designed to prove candidates' skills and knowledge levels. By doing this the Microsoft GH-900 certificate holders can gain multiple personal and professional benefits. These benefits assist the GH-900 Exam holder to pursue a rewarding career in the highly competitive market and achieve their career objectives in a short time period.

Microsoft GH-900 Exam Syllabus Topics:

Topic	Details
Topic 1	• Introduction to Git and GitHub: This section of the exam measures skills of Junior Developers and Platform Support Specialists and covers the basic understanding of Git and GitHub. It explains what Git is and why it is used, the fundamental Git workflow, and concepts related to repositories including their local and remote distinctions. Candidates learn essential Git commands such as initializing and cloning repositories, adding and committing changes, pushing and pulling updates, and branching and merging. It also covers navigating GitHub by creating accounts, managing repositories, understanding its interface, and working with issues and pull requests.

Topic 2	• Modern Development: This domain assesses abilities of DevOps Engineers and Continuous Integration Specialists in implementing modern development practices. It emphasizes understanding DevOps principles and leveraging GitHub Actions for automation and CI • CD pipeline implementation. Candidates also learn GitHub's tools and best practices for conducting and managing code reviews.
Topic 3	• Working with GitHub Repositories: This domain targets Repository Administrators and Content Managers, focusing on managing repository settings and permissions. Candidates learn to configure repositories, use templates, and effectively manage files by adding, editing, and deleting. The domain also addresses versioning of files and the use of GitHub Desktop for streamlined file management tasks within repositories.
Topic 4	• Project Management: This section is designed for Project Coordinators and Product Managers and focuses on using GitHub Projects for project management. Candidates learn to create and manage GitHub Projects, utilize project boards for organizing tasks, and integrate project workflows with issues and pull requests to maintain project visibility and progress.
Topic 5	• Privacy, Security, and Administration: This domain measures skills of Security Administrators and Organization Managers in securing and administering GitHub environments. It covers ensuring repository security through branch protection rules, using security tools like Dependabot, managing access and permissions at repository and organization levels, creating and managing organizations, setting up organization-level security, and overseeing teams and members.
Topic 6	• Collaboration Features: This section measures skills of Software Engineers and Team Leads and covers collaborative workflows using GitHub. It includes forking repositories, creating and managing pull requests, reviewing and merging code changes, and using GitHub Actions to support CI • CD pipelines. Candidates also explore project management features such as creating and managing issues, using labels, milestones, and project boards, and tracking progress through GitHub Projects.

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Microsoft GitHub Foundations Sample Questions (Q40-Q45):

NEW QUESTION # 40

From the Organization settings, which restrictions can organization owners place on GitHub Actions usage?
(Each answer presents a complete solution. Choose three.)

- A. Allow actions created by GitHub.
- B. Allow specified actions.
- C. Allow actions by Marketplace verified creators.
- D. Allow actions that use self-hosted runners.
- E. Allow an action to be run from a Codespace.

Answer: B,C,D

Explanation:

Organization owners on GitHub have control over how GitHub Actions can be used within their organization. They can enforce restrictions to ensure security and compliance with organizational policies.

Allow Actions That Use Self-Hosted Runners:

Option A is correct because organization owners can configure the usage of self-hosted runners, allowing greater control over the

environment where actions are run.

Allow Specified Actions:

Option C is correct because organization owners can allow only specific actions to run, adding a layer of security by limiting actions to those that have been vetted.

Allow Actions by Marketplace Verified Creators:

Option D is correct because organization owners can choose to allow actions created by GitHub Marketplace verified creators, ensuring that only trusted actions are used.

Incorrect Options:

Option B is incorrect because GitHub Actions are not designed to be run directly from a Codespace; Codespaces are for development environments.

Option E is a valid choice, but since the prompt asks for only three answers, it is not included in this response.

Reference:

GitHub Docs: Managing GitHub Actions Settings for Your Organization

NEW QUESTION # 41

Which of the following can be performed within GitHub Desktop?

- A. Commenting on discussions
- B. Reviewing and approving pull requests
- C. Adding and cloning repositories
- D. Creating and managing issues
- E. Integrating with office suite software

Answer: C

Explanation:

GitHub Desktop is a graphical interface that allows users to interact with GitHub repositories. It simplifies certain Git operations without the need for command-line usage.

GitHub Desktop Capabilities:

Option C is correct because GitHub Desktop allows users to add local repositories to their GitHub account, clone repositories from GitHub to their local machine, and manage repositories effectively.

Incorrect Options:

Option A is incorrect because GitHub Desktop does not support creating or managing issues directly; this is done through the GitHub web interface.

Option B is incorrect because reviewing and approving pull requests is also managed through the GitHub web interface.

Option D is incorrect because commenting on discussions is done on the GitHub platform, not through GitHub Desktop.

Option E is incorrect because GitHub Desktop does not integrate with office suite software.

Reference:

GitHub Docs: GitHub Desktop Documentation

NEW QUESTION # 42

Which of the following is the best GitHub feature for long-form documentation for a project?

- A. Insights
- B. Pull Requests
- C. Wikis
- D. Projects

Answer: C

Explanation:

GitHub offers a variety of features for different aspects of project management and documentation. For long-form documentation, the best feature is Wikis. Wikis in GitHub allow you to create detailed, structured documentation that is easy to navigate and edit. Each repository in GitHub can have its own Wiki, which acts as a space for collaborators to maintain project documentation, guides, manuals, or any other long-form content.

Wikis are specifically designed to host extensive documentation in a way that is easy to reference and edit over time. They support Markdown, allowing you to format your documentation effectively. Unlike the other options, Wikis are explicitly intended for the purpose of long-form content, making them the best choice for this use case.

NEW QUESTION # 43

Which of the following two-factor authentication (2FA) methods can you use to secure a GitHub account?
(Each answer presents a complete solution. Choose three.)

- A. Security questions
- B. Single sign-on
- C. GitHub mobile
- D. Security keys
- E. Authenticator app

Answer: C,D,E

Explanation:

The following two-factor authentication (2FA) methods can be used to secure a GitHub account:

A . Authenticator app: You can use an authenticator app (like Google Authenticator or Authy) to generate time-based one-time passwords (TOTP) for logging in.

C . GitHub mobile: The GitHub mobile app can also be used to receive 2FA codes, adding convenience for users who prefer to manage everything from their mobile devices.

D . Security keys: Physical security keys (such as YubiKeys) can be used as a strong form of 2FA, requiring physical access to the key to authenticate.

Security questions and Single sign-on (SSO) are not considered 2FA methods in the context of GitHub account security.

NEW QUESTION # 44

What features are offered by Copilot for Business that are not offered by Copilot for individuals?
(Each answer presents a complete solution. Choose three.)

- A. Plugs directly into the editor
- B. Offers multi-line function suggestions
- C. Blocks suggestions matching public code
- D. VPN proxy support via self-signed certificates
- E. Support for organization or enterprise GitHub accounts
- F. Organization-wide policy management

Answer: C,E,F

Explanation:

GitHub Copilot for Business offers several features that are tailored to the needs of organizations, providing more control, security, and support compared to the individual version.

Organization-wide Policy Management:

Option B is correct because Copilot for Business allows organizations to manage policies across their entire user base, providing control over how Copilot is used within the organization.

Blocking Suggestions Matching Public Code:

Option C is correct because Copilot for Business includes enhanced security features, such as blocking code suggestions that match public code to prevent inadvertent use of unlicensed code.

Support for Organization or Enterprise GitHub Accounts:

Option E is correct because Copilot for Business supports integration with GitHub Enterprise accounts, offering additional administrative controls and integration capabilities.

Incorrect Options:

Option A (multi-line function suggestions) is a feature available in both individual and business versions, so it does not differentiate the business offering.

Option D (VPN proxy support via self-signed certificates) is not a primary differentiator of Copilot for Business.

Option F (plugs directly into the editor) is true for both individual and business versions, so it is not unique to Copilot for Business.

Reference:

GitHub Docs: GitHub Copilot for Business

NEW QUESTION # 45

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