



## Microsoft

### Exam Questions GH-100

GitHub Administration Exam

#### NEW QUESTION 1

Which of the following is a key benefit of setting default read permissions across organizations?

- A. Suits environments where all users need write access.
- B. Improves collaboration by allowing users to modify content directly.
- C. Increases efficiency in content creation and updates.
- D. Enhances security by minimizing unintended modifications.

**Answer:** D

#### Explanation:

Enforcing a default of Read for organization members ensures they can view content without the ability to push changes, reducing the risk of accidental or unauthorized modifications.

#### NEW QUESTION 2

Which of the following is the responsibility of an Organization Owner in GitHub? (Choose three.)

- A. View and manage organization billing information.
- B. Create repositories without approval from other members.
- C. Manage organization settings, such as configuration and default permissions.
- D. Access repositories only if explicitly granted by a team maintainer.

**Answer:** ABC

#### Explanation:

Organization owners can view and edit billing information for the organization.

Organization owners may create new repositories in the organization without needing approval from other members.

Organization owners have full administrative control over organization settings, including configuring default repository permissions.

#### NEW QUESTION 3

You need GitHub to automatically notify a third-party service any time a new repository is created. You want to avoid writing custom code. The vendor has told you that they have a tool in the GitHub Marketplace. Which type of tool do you need?

- A. GitHub App
- B. GitHub Copilot Extension
- C. GitHub Models
- D. GitHub Action

**Answer:** A

#### Explanation:

You need a GitHub App. Marketplace integrations that listen for events like repository.created and send notifications are delivered as GitHub Apps, since they can subscribe to organization#level webhooks without you writing custom code.

#### NEW QUESTION 4

You are planning GitHub account management for a healthcare organization with strict compliance requirements. Which THREE of the following statements accurately describe GitHub Enterprise Managed Users (EMU) accounts? (Choose three.)

- A. EMU accounts can be used for both personal and enterprise repositories.
- B. EMU accounts are managed through an identity provider such as Azure AD.
- C. EMU accounts allow users to create and manage their own credentials.
- D. EMU accounts restrict users to enterprise-related activities only.
- E. EMU accounts are created and managed by individual users.
- F. EMU accounts are owned by the organization and cannot be unlinked.

**Answer:** BDF

#### Explanation:

Enterprise Managed User accounts are provisioned and authenticated exclusively through your identity provider (for example, Azure AD), so the IdP handles their creation, attribute updates, and deprovisioning.

Managed user accounts cannot create public content or interact with repositories outside your enterprise; they're confined to private and internal repos within the enterprise.

EMU accounts are owned and controlled by the enterprise (via the IdP) and cannot be converted into or unlinked as personal accounts outside that enterprise.

#### NEW QUESTION 5

Which of the following GitHub token types supports fine-grained repository permissions AND is recommended for CI/CD automation?

- A. Personal Access Tokens (PATs)
- B. GitHub App Installation Access Tokens
- C. Device Tokens
- D. OAuth tokens

**Answer:** B

#### Explanation:

GitHub App Installation Access Tokens are privileged to the exact permissions you grant the App - down to individual repositories - and rotate automatically,

making them the recommended choice for CI/CD automation workflows that demand least privilege, fine-grained access.

#### NEW QUESTION 6

You need to create a support bundle for your GitHub Enterprise Server instance with the hostname ghe.avocado.corp. What command should you use to create a support bundle?

- A. `ssh -p 122 admin@ghe.avocado.corp -- 'ghe-support-bundle -o' > support-bundle.tgz`
- B. `ssh -p 122 admin@ghe.avocado.corp -- 'ghe-diagnostics' > support-bundle.tgz`
- C. `curl -u admin https://ghe.avocado.corp/diagnostics/support-bundle.tgz -o`
- D. `ssh -p 122 admin@ghe.avocado.corp -- 'ghe-config generate-support-bundle' > support-bundle.tgz`

**Answer:** A

#### Explanation:

Run the `ghe-support-bundle` command over SSH on your appliance and redirect its output to a file. For example:

```
ssh -p 122 admin@ghe.avocado.corp -- 'ghe-support-bundle -o' > support-bundle.tgz
```

This invokes the built-in `support-bundle` utility on your GitHub Enterprise Server instance and captures the resulting archive locally.

#### NEW QUESTION 7

You are using GitHub-hosted runners and need to securely deploy to an internal system. The security team requires that these runners use IP address ranges that would not be shared with other companies. Which of the following approaches would meet their requirements?

- A. GitHub-hosted larger runners with Azure private networking
- B. GitHub-hosted standard runners, using the IP addresses provided in "actions" from <https://api.github.com/meta>
- C. `com/meta`
- D. GitHub-hosted standard runners, using the IP addresses provided in "api" from <https://api.github.com/meta>
- E. GitHub-hosted larger runners with static IP addresses

**Answer:** D

#### Explanation:

GitHub's larger runners let you reserve dedicated static IP addresses for your workflows - so you can allow-list those IPs in your firewall and be sure they aren't shared with any other tenant.

#### NEW QUESTION 8

A token was used to access an organization's resource via API. What fields in the audit log help determine who used it?

- A. The token's permissions and the geographic region of access
- B. The token expiration date
- C. The GitHub Actions runner name
- D. The token ID, requesting IP address, and associated user

**Answer:** D

#### Explanation:

The audit log records the token's identifier (the `hashed_token` value), the source IP address of the request, and the actor (the user or app) associated with that token, allowing you to trace exactly who used it.

#### NEW QUESTION 9

Which of the following actions can a user with Write permissions perform in a GitHub repository?

- A. Manage repository settings, such as labels and GitHub Pages.
- B. Push code to non-protected branches.
- C. Configure branch protection rules.
- D. Delete the repository.

**Answer:** B

#### Explanation:

Users granted Write permission can push commits to non-protected branches, allowing them to update code without needing administrative rights.

#### NEW QUESTION 10

How does GitHub support compliance requirements for enterprises?

- A. GitHub provides configurable controls such as an audit log, SAML authentication, and enterprise rulesets.
- B. GitHub disables all external collaboration features.
- C. GitHub only allows those with repository owner (admin) permissions to write changes to repositories.
- D. GitHub automatically encrypts user passwords in plaintext for quick access.

**Answer:** A

#### Explanation:

GitHub Enterprise gives you a suite of configurable controls - like a comprehensive audit log, enforced SAML single sign-on, and enterprise-level rulesets - that you can tailor and enforce to meet your organization's compliance mandates.

#### NEW QUESTION 10

Which of the following is the responsibility of a Team Maintainer in a GitHub organization? (Choose two.)

- A. Modifying organization-wide settings.
- B. Managing nested sub-teams.
- C. Adding or removing team members.
- D. Deleting repositories assigned to the team.

**Answer:** BC

**Explanation:**

Team maintainers can manage nested sub-teams - requesting to add or change parent/child teams within the organization's hierarchy. Team maintainers have permission to add and remove members from their team, controlling day-to-day team membership.

**NEW QUESTION 13**

You are an administrator and need to enforce a policy on forking private and internal repositories. Which options are available for configuring the policy at the enterprise level? (Each answer presents a complete solution. Choose three.)

- A. Allow organization owners to administer the setting at the organization level.
- B. Allow people who have access to private and internal repositories to fork these repositories.
- C. Allow specific people or teams to fork private and internal repositories.
- D. Disallow repository owners from administering the setting at the repository level.
- E. Disallow forking of private and internal repositories.

**Answer:** ABE

**Explanation:**

You can configure the enterprise policy to allow organization owners to administer the forking setting at the organization level, giving them control over how repos fork within their orgs.

You can choose to allow any user who already has access to a private or internal repo to fork it.

You can also set the policy to never allow forking of private or internal repositories across all organizations.

**NEW QUESTION 14**

When comparing Group SCIM to Team Sync for identity management in GitHub Enterprise, which statement is Correct?

- A. Group SCIM requires less initial configuration than Team Sync.
- B. Team Sync supports more identity providers than Group SCIM.
- C. Team Sync provides more automated user deprovisioning than Group SCIM.
- D. Group SCIM enables centralized user and group management through the IdP.

**Answer:** D

**Explanation:**

Group SCIM lets you manage both user accounts and group memberships centrally in your identity provider - automatically provisioning, updating, and deprovisioning users and groups in GitHub - whereas Team Sync only mirrors IdP group membership into existing GitHub teams.

**NEW QUESTION 19**

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