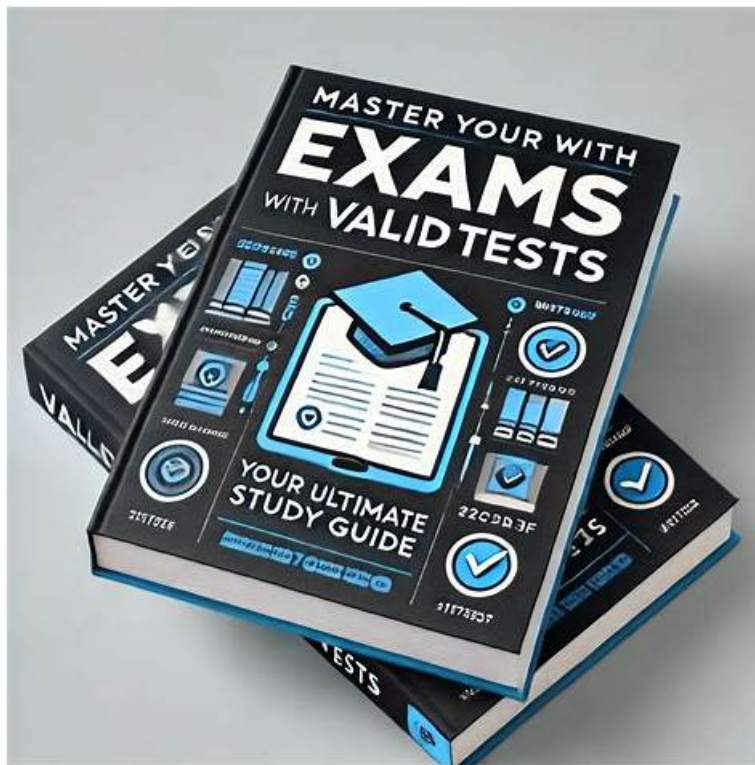


# Test GH-200 Vce Free | GH-200 Sure Pass



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Success in the GitHub Actions (GH-200) certification exam helps people update their skills. Many aspirants don't find updated Microsoft GH-200 practice test questions and fail the final test. This failure in the Microsoft GH-200 Exam leads to a loss of money and time. If you are also planning to attempt the GitHub Actions (GH-200) exam and are confused about where to prepare yourself for it then you are at the right place.

## Microsoft GH-200 Exam Syllabus Topics:

| Topic   | Details  |
|---------|--|
| Topic 1 | <ul style="list-style-type: none"><li>• Author and Maintain Actions: This domain evaluates the abilities of Action Developers and Automation Engineers to select and create suitable types of GitHub Actions, such as JavaScript, Docker containers, or run steps. It emphasizes troubleshooting action code, understanding the components and file structures of actions, and using workflow commands within actions to communicate with runners, including exit code management.</li></ul>   |
| Topic 2 | <ul style="list-style-type: none"><li>• Author and Maintain Workflows: This section of the exam measures skills of DevOps Engineers and Automation Specialists and covers building and managing workflows triggered by events such as pushes, scheduled times, manual triggers, and webhooks. It includes understanding workflow components like jobs, steps, actions, and runners, syntax correctness, environment variables, secrets management, and dependencies between jobs. Candidates will also demonstrate practical abilities to create workflows for various purposes, including publishing packages, using service containers, routing jobs, and deploying releases to cloud providers.</li></ul> |
| Topic 3 | <ul style="list-style-type: none"><li>• Manage GitHub Actions in the Enterprise: This section measures the expertise of Enterprise Administrators and Platform Engineers in distributing and managing GitHub Actions and workflows at the organizational level. It includes reuse and sharing of templates, strategies for managing reusable components via repositories and naming conventions, controlling access to actions, setting organization-wide usage policies, and planning maintenance to ensure efficient enterprise-wide deployment of GitHub Actions.</li></ul>   |

|         |  |
|---------|--|
| Topic 4 | <ul style="list-style-type: none"> <li>• <b>Consume Workflows:</b> This domain targets Software Developers and Quality Assurance Engineers and focuses on interpreting workflow runs and their outcomes. It covers identifying triggering events, reading workflow configurations, troubleshooting failures by analyzing logs, enabling debug logging, managing environment variables, caching dependencies, and passing data between jobs. Candidates also manage workflow runs, artifacts, approvals, and status badges, as well as locating workflows within repositories and leveraging organizational templated workflows.</li> </ul> |
|---------|--|

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### Microsoft GitHub Actions Sample Questions (Q103-Q108):

#### NEW QUESTION # 103

When creating and managing custom actions in an enterprise setting, which of the following is considered a best practice?

- A. creating a separate branch in application repositories that only contains the actions
- B. creating a single repository for all custom actions so that the versions for each action are all the same
- **C. creating a separate repository for each action so that the version can be managed independently**
- D. including custom actions that other teams need to reference in the same repository as application code

**Answer: C**

Explanation:

Creating a separate repository for each custom action allows you to manage the versioning independently for each action. This approach provides flexibility, as each action can be updated, tested, and versioned separately, avoiding potential conflicts or dependencies between different actions.

#### NEW QUESTION # 104

What will the output be for the following event trigger block in a workflow?

```
on:
  Microsoft
  issues:
    types: [opened, edited]
  issue_comment:
    types:
      - created
```

- A. It throws a workflow syntax error, pointing to the types definition in issues event.
- B. It runs the workflow when an issue is created or edited, or when an issue or pull request comment is created.
- C. It throws a workflow syntax error, pointing to the types definition in issue\_comment event.
- D. It runs the workflow when an issue or issue comment in the workflow's repository is created or modified.
- **E. It runs the workflow when an issue is edited or when an issue comment created.**

**Answer: E**

Explanation:

The provided event trigger block specifies two types of events:

For issues: the workflow triggers on opened or edited issues.

For issue\_comment: the workflow triggers when an issue comment is created.

This configuration ensures the workflow will run when either an issue is opened or edited, or an issue comment is created.

### NEW QUESTION # 105

What metadata file in a custom action defines the main entry point?

- A. action.js
- B. main.yml
- C. action.yml
- D. index.js

**Answer: C**

Explanation:

The metadata file that defines the main entry point for a custom GitHub Action is action.yml (or action.yaml).

This file, located in the root directory of your action's repository, uses YAML syntax and includes a runs key that specifies how the action is executed and which script is the main entry point.

Key fields in the action.yml file

name: The name of your action displayed in the GitHub Actions UI.

description: A short description of the action.

runs: This required key specifies the execution environment and the main entry point.

For a JavaScript action, the runs field includes using (e.g., node20) and main (e.g., index.js) to define the runtime and the primary script file.

For a Docker container action, the runs field includes using 'docker' and image (e.g., 'Dockerfile') to point to the Docker build file or image.

inputs: Optional parameters that allow users to pass data to your action.

outputs: Optional output parameters that the action can produce for use by subsequent steps in a workflow.

Reference:

<https://docs.github.com/en/actions/reference/workflows-and-actions/metadata-syntax>

### NEW QUESTION # 106

As a developer, you have a 10-MB data set that is required in a specific workflow.

Which three steps should you perform so the dataset is stored encrypted and can be decrypted during the workflow? Each correct answer presents part of the solution.

NOTE: Each correct answer is worth one point.

- A. Store the dataset in a GitHub encrypted secret.
- B. Store the encryption keys in a GitHub encrypted secret.
- C. Commit the encrypted dataset to the same repository as the workflow.
- D. Leverage the actions/download-secret action in the workflow.
- E. Compress the dataset.
- F. Create a GitHub encrypted secret with the Large object option selected and upload the dataset.
- G. Encrypt the dataset.

**Answer: B,C,G**

Explanation:

To handle a 10 MB dataset securely in GitHub Actions, you should use GitHub Actions Secrets for the key and a symmetric encryption tool (like GPG or OpenSSL) for the file.

Follow these steps:

[B] 1. Encrypt the Dataset Locally

Since GitHub Actions secrets have a size limit of 48 KB, you cannot store a 20 MB dataset directly as a secret. Instead, encrypt the file locally using GPG before committing it.

[A] 2. Store the Encryption Key in GitHub

Store the passphrase you just created as a GitHub Actions Secret so the workflow can access it securely without exposing it in the code.

[G] 3. Commit the Encrypted Dataset

Now, add only the encrypted version of your data to your repository.

Add the encrypted file: `git add large_dataset.csv.gpg`

Important: Ensure the original unencrypted `large_dataset.csv` is added to your `.gitignore` so it is never committed.

Commit and push the encrypted file to your repository.

4. Decrypt the Dataset in the Workflow

In your GitHub Actions workflow file (e.g., `.github/workflows/main.yml`), add a step to decrypt the file using the secret passphrase.

Incorrect:

[Not D]

Since GitHub Secrets have a size limit (64 KB), you cannot store the dataset itself as a secret.

Reference:

<https://docs.github.com/en/enterprise-server@3.20/actions/how-tos/write-workflows/choose-what-workflows-do/use-secrets>

### NEW QUESTION # 107

You need to trigger a workflow using the GitHub API for activity that happens outside of GitHub.

Which workflow event do you use?

- A. check\_suite
- B. deployment
- C. workflow\_run
- D. repository\_dispatch

**Answer: D**

Explanation:

You can use the GitHub API to trigger a webhook event called repository\_dispatch when you want to trigger a workflow for activity that happens outside of GitHub .

Reference:

<https://docs.github.com/en/actions/reference/workflows-and-actions/events-that-trigger-workflows>

### NEW QUESTION # 108

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