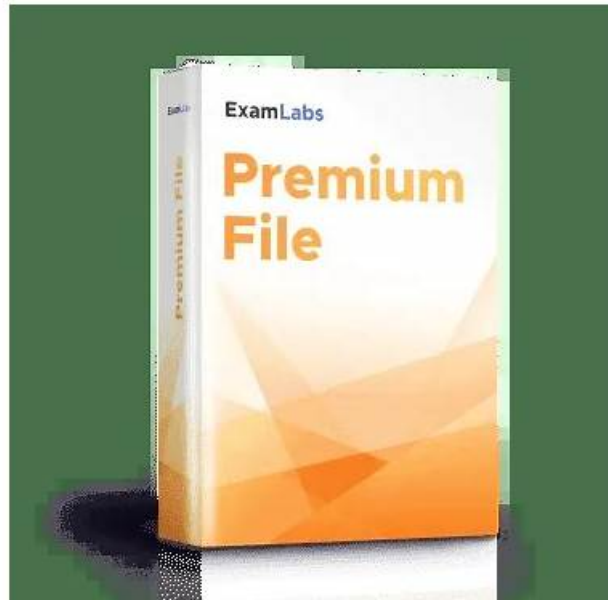


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>> ExamGH-200 Overviews <<

## GH-200 Reliable Braindumps Book, GH-200 Certification Exam Cost

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## Microsoft GH-200 Exam Syllabus Topics:

Topic	Details

Topic 1	<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>
Topic 2	<ul style="list-style-type: none"> <li>• <b>Author and Maintain Actions:</b> 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 3	<ul style="list-style-type: none"> <li>• <b>Manage GitHub Actions in the Enterprise:</b> 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>Author and Maintain Workflows:</b> 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>

## Microsoft GitHub Actions Sample Questions (Q89-Q94):

### NEW QUESTION # 89

Which workflow command would output the debug message "action successfully debugged"?

- A. echo "debug:action successfully debugged:"
- B. echo "debug-action successfully debugged"
- C. echo :debug::message=action successfully debugged"
- **D. echo "::debug:action successfully debugged"**

**Answer: D**

Explanation:

The ::debug:: syntax is used to output debug messages in GitHub Actions workflows. This command will print the message "action successfully debugged" in the debug logs when the workflow runs.

### NEW QUESTION # 90

In GitHub Actions, where should you declare custom environment variables so they are accessible across all jobs and steps in a single workflow run?

- A. Environment secrets
- B. Runner command line arguments
- C. Repository variables
- **D. Set env in the workflow YAML**

**Answer: D**

Explanation:

The correct option is Set env in the workflow YAML because defining environment variables at the top level of a workflow makes them available to every job and step in that single run.

In a workflow file you can declare a top level mapping for environment variables with key value pairs. This top level scope propagates the values to all jobs and steps in the run and you can override them at job or step scope when necessary. This is the most direct way to share non secret configuration across the entire workflow execution.

#### NEW QUESTION # 91

As a developer, you are optimizing a GitHub workflow that uses and produces many different files. You need to determine when to use caching versus workflow artifacts. Which two statements are true? (Each correct answer presents part of the solution. Choose two.)

- A. Use artifacts when referencing files produced by a job after a workflow has ended.
- B. Use caching to store cache entries for up to 30 days between accesses.
- C. Use artifacts to access the GitHub Package Registry and download a package for a workflow.
- D. Use caching when reusing files that change rarely between jobs or workflow runs.

**Answer: A,D**

Explanation:

[B] Use caching when you want to reuse files that don't change often between jobs or workflow runs, such as build dependencies from a package management system.

[D] Use artifacts when you want to save files produced by a job to view after a workflow run has ended, such as built binaries or build logs.

Reference:

<https://docs.github.com/en/enterprise-server@3.16/actions/tutorials/store-and-share-data>

#### NEW QUESTION # 92

What is the simplest action type to run a shell script?

- A. Composite action
- B. Docker container action
- C. JavaScript action
- D. Bash script action

**Answer: C**

Explanation:

Types of actions

Docker container actions. Docker containers package the environment with the GitHub Actions code. ...

JavaScript actions. JavaScript actions can run directly on a runner machine, and separate the action code from the environment used to run the code. ...

Composite Actions.

Note:

JavaScript actions

JavaScript actions can run directly on a runner machine, and separate the action code from the environment used to run the code.

Using a JavaScript action simplifies the action code and executes faster than a Docker container action.

Reference:

<https://docs.github.com/en/actions/concepts/workflows-and-actions/custom-actions>

#### NEW QUESTION # 93

GitHub-hosted runners support which capabilities? (Choose two.)

- A. support for Linux, Windows, and macOS
- B. requiring a payment mechanism (e.g., credit card) to use for private repositories
- C. automatic patching of both the runner and the underlying OS
- D. automatic file-system caching between workflow runs
- E. support for a variety of Linux variations including CentOS, Fedora, and Debian

**Answer: A,E**

GitHub-hosted runners support Linux, Windows, and macOS, giving you flexibility to run workflows on different operating systems without needing to manage your own self-hosted runners.

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