

Microsoft GH-200 Study Tool - GH-200 Reliable Test Topics



At ITCertMagic, we strive hard to offer a comprehensive GitHub Actions (GH-200) exam questions preparation material bundle pack. The product available at ITCertMagic includes GitHub Actions (GH-200) real dumps pdf and mock tests (desktop and web-based). Practice exams give an experience of taking the GitHub Actions (GH-200) actual exam.

Microsoft GH-200 Exam Syllabus Topics:

Topic	Details
Topic 1	Consume Workflows: 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.
Topic 2	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.

Topic 3	• 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.
Topic 4	• 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.

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Microsoft GitHub Actions Sample Questions (Q38-Q43):

NEW QUESTION # 38

Your organization is managing secrets using GitHub encrypted secrets, including a secret named SuperSecret. As a developer, you need to create a version of that secret that contains a different value for use in a workflow that is scoped to a specific repository named MyRepo. How should you store the secret to access your specific version within your workflow?

- A. Create and access SuperSecret from the secrets store in MyRepo.
- B. Create a duplicate entry for SuperSecret in the encrypted secret store and specify MyRepo as the scope.
- C. Create a file with the SuperSecret information in the .github/secrets folder in MyRepo.
- **D. Create MyRepo_SuperSecret in GitHub encrypted secrets to specify the scope to MyRepo.**

Answer: D

Explanation:

To scope a secret to a specific repository, you can create a new secret with a name like MyRepo_SuperSecret in the secrets section of the MyRepo repository's settings. This ensures that the secret is specific to that repository and can be used within its workflows.

NEW QUESTION # 39

Which choices represent best practices for publishing actions so that they can be consumed reliably? (Choose two.)

- **A. commit SHA**
- **B. tag**
- C. organization name
- D. repo name
- E. default branch

Answer: A,B

Explanation:

Using a tag is a best practice because tags are immutable and represent a fixed version of your action. By referencing tags, consumers of your action can be assured they are using a stable and specific version of the action, which helps in avoiding issues with breaking changes.

The commit SHA is another reliable way to specify a particular version of an action. By referencing a specific commit SHA, consumers can ensure they are using exactly the code that was written at that moment, avoiding the potential for changes in the future.

NEW QUESTION # 40

Which command can you include in your workflow file to set the output parameter for an action?

- A. `echo "action_color=purple" >> $GITHUB_OUTPUT`
- B. `echo "action_color=purple" >> $GITHUB_ENV`
- C. `echo "::debug:action_color=purple"`
- D. `echo "::add-mask::$ACTION_COLOR"`

Answer: A

Explanation:

Setting an output parameter

Sets a step's output parameter. Note that the step will need an id to be defined to later retrieve the output value. You can set multi-line output values with the same technique used in the Multiline strings section to define multi-line environment variables.

```
echo "{name}={value}" >> "$GITHUB_OUTPUT"
```

Example of setting an output parameter

This example demonstrates how to set the `SELECTED_COLOR` output parameter and later retrieve it:

- name: Set color

id: color-selector

```
run: echo "SELECTED_COLOR=green" >> "$GITHUB_OUTPUT"
```

- name: Get color

env:

```
SELECTED_COLOR: ${ steps.color-selector.outputs.SELECTED_COLOR }
```

```
run: echo "The selected color is $SELECTED_COLOR"
```

Reference:

<https://docs.github.com/en/actions/reference/workflows-and-actions/workflow-commands>

NEW QUESTION # 41

As a developer, which workflow steps should you perform to publish an image to the GitHub Container Registry? (Choose three.)

- A. Use the `actions/setup-docker` action
- B. Push the image to the GitHub Container Registry
- C. Authenticate to the GitHub Container Registry.
- D. Pull the image from the GitHub Container Registry.
- E. Build the container image.

Answer: A,B,C

Explanation:

A . Use the `actions/setup-docker` action

B . Authenticate to the GitHub Container Registry.

C . Build the container image.

D . Push the image to the GitHub Container Registry

E . Pull the image from the GitHub Container Registry.

NEW QUESTION # 42

In a workflow triggered by a pull request comment, which GitHub Actions context property contains the event payload used to access the comment text and the pull request number?

- A. `github.event`
- B. `github.job`
- C. `github.repository`
- D. `github.event_path`

Answer: A

Explanation:

In a workflow that runs on a pull request comment the event context contains the webhook payload. With `github.event` you can read the structured fields for the comment text and the pull request number. The comment text is available under the `comment body` field and the pull request number is available under the `issue number` for comment events or under the `pull request number` for pull request events. This makes `github.event` the direct and convenient source for these values.

NEW QUESTION # 43

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