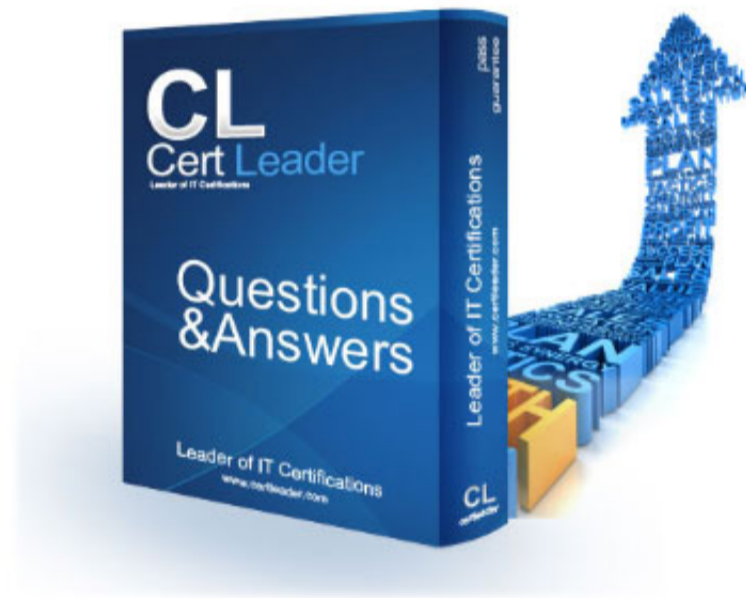


GH-200 Dumps

GitHub Actions Exam

<https://www.certleader.com/GH-200-dumps.html>



NEW QUESTION 1

As a developer, you need to use GitHub Actions to deploy a microservice that requires runtime access to a secure token. This token is used by a variety of other microservices managed by different teams in different repos. To minimize management overhead and ensure the token is secure, which mechanisms should you use to store and access the token? (Choose two.)

- A. Store the token in a configuration file in a private repositior
- B. Use GitHub Actions to deploy the configuration file to the runtime environment.
- C. Store the token as a GitHub encrypted secret in the same repo as the cod
- D. Create a reusable custom GitHub Action to access the token by the microservice at runtime.
- E. Use a corporate non-GitHub secret store (e.g., HashiCorp Vault) to store the toke
- F. During deployment, use GitHub Actions to store the secret in an environment variable that can be accessed at runtime.
- G. Store the token as a GitHub encrypted secret in the same repo as the cod
- H. During deployment, use GitHub Actions to store the secret in an environment variable that can be accessed at runtime.
- I. Store the token as an organizational-level encrypted secret in GitHu
- J. During deployment, use GitHub Actions to store the secret in an environment variable that can be accessed at runtime.

Answer: CE

NEW QUESTION 2

You need to make a script to retrieve workflow run logs via the API. Which is the correct API to download a workflow run log?

- A. POST /repos/:owner/:repo/actions/runs/:run_id
- B. GET /repos/:owner/:repo/actions/artifacts/logs
- C. GET /repos/:owner/:repo/actions/runs/:run_id/logs
- D. POST /repos/:owner/:repo/actions/runs/:run_id/logs

Answer: C

NEW QUESTION 3

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

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

- A. It throws a workflow syntax error, pointing to the types definition in issue_comment event.
- B. It throws a workflow syntax error, pointing to the types definition in issues event.
- C. It runs the workflow when an issue is edited or when an issue comment created.
- 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 created or edited, or when an issue or pull request comment is created.

Answer: C

NEW QUESTION 4

As a developer, what is the safest way to reference an action to prevent modification of the underlying code?

- A. Use a commit hash.
- B. Use a branch name.
- C. Use a patch release tag.
- D. Use a major release tag.

Answer: A

Explanation:

Using a commit hash is the safest method because it references a specific point in time in the repository's history. This ensures that the action is locked to that exact version and will not be affected by any future changes or modifications to the codebase. Even if the action is updated later, your workflow will continue using the specific commit you referenced.

NEW QUESTION 5

Which of the following scenarios would require the use of self-hosted runners instead of GitHub-hosted runners?

- A. running more than the three concurrent workflows supported by GitHub-hosted runners
- B. exceeding 50,000 monthly minutes of build time
- C. using Docker containers as part of the workflow

- D. using specialized hardware configurations required for workflows
- E. performing builds on macOS

Answer: AD

NEW QUESTION 6

When reviewing an action for use, what file defines its available inputs and outputs?

- A. inputs.yml
- B. config.json
- C. defaults.json
- D. workflow.yml
- E. action.yml

Answer: E

NEW QUESTION 7

What are the two types of environment protection rules you can configure? (Choose two.)

- A. required reviewers
- B. branch protections
- C. wait timer
- D. artifact storage

Answer: AC

NEW QUESTION 8

As a DevOps engineer, you are developing a container action. You need to execute a cleanup script after completing the main script execution. Which code block should be used to define the cleanup script?

A.

```
runs:
  using: 'docker'
  image: 'Dockerfile'
  entrypoint: 'main.sh'
  post: 'cleanup.sh'
```

B.

```
runs:
  using: 'docker'
  image: 'Dockerfile'
  entrypoint: 'main.sh'
  post-if: 'cleanup.sh'
```

C.

```
runs:
  using: 'docker'
  image: 'Dockerfile'
  entrypoint: 'main.sh'
  after: 'cleanup.sh'
```

D.

```
runs:
  using: 'docker'
  image: 'Dockerfile'
  entrypoint: 'main.sh'
  post-entrypoint: 'cleanup.sh'
```

A.

Answer: A

NEW QUESTION 9

What is the minimal syntax for declaring an output named foo for an action?

A)

```
outputs:  
  foo:  
    description: Some value
```

B)

```
outputs:  
  - key: foo  
    description: Some value
```

C)

```
outputs:  
  foo:  
    value: Some value
```

D)

```
outputs:  
  - key: foo  
    value: Some value
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

NEW QUESTION 10

How many jobs will result from the following matrix configuration?

```
strategy:  
  matrix:  
    color: [green, pink]  
    animal: [owl, magpie]  
  include:  
    - color: blue  
      animal: owl  
    - color: pink  
      animal: magpie
```

- A. 3 jobs
- B. 4 jobs
- C. 5 jobs
- D. 6 jobs

Answer: D

Explanation:

The matrix configuration specifies two variables: color and animal. The color variable has 2 values (green and pink), and the animal variable has 2 values (owl and magpie). This would result in 4 combinations (2 color values ?? 2 animal values). Additionally, the include section introduces two more combinations (color: blue and animal: owl; color: pink and animal: magpie).

NEW QUESTION 10

What is the smallest scope for an environment variable?

- A. the workflow settings
- B. a step
- C. a job
- D. the workflow env mapping

Answer: B

Explanation:

The smallest scope for an environment variable is within a step . Environment variables defined within a step are only accessible to that particular step, which makes it the smallest scope for a variable in a GitHub Actions workflow.

NEW QUESTION 11

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? (Choose two.)

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

Answer: AB

NEW QUESTION 16

You are a developer, and your container jobs are failing on a self-hosted runner. Which requirements must you check to ensure that the self-hosted runner is properly configured? (Choose two.)

- A. The self-hosted runner is running a Linux operating system.
- B. The self-hosted runner is running a Windows operating system.
- C. Docker is installed on the self-hosted runner.
- D. Kubernetes is installed on the self-hosted runner.
- E. The service status of Kubernetes is "active".

Answer: AC

NEW QUESTION 17

You installed specific software on a Linux self-hosted runner. You have users with workflows that need to be able to select the runner based on the identified custom software. Which steps should you perform to prepare the runner and your users to run these workflows? (Choose two.)

- A. Create the group custom-software-on-linux and move the runner into the group.
- B. Inform users to identify the runner based on the group.
- C. Add the label custom-software to the runner.
- D. Configure the webhook and network to enable GitHub to trigger workflow.
- E. Add the label linux to the runner.

Answer: BC

NEW QUESTION 22

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

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

Answer: BC

NEW QUESTION 23

You need to create new workflows to deploy to an unfamiliar cloud provider. What is the fastest and safest way to begin?

- A. Create a custom action to wrap the cloud provider's CLI.
- B. Search GitHub Marketplace for verified actions published by the cloud provider.
- C. Use the actions/jenkins-plugin action to utilize an existing Jenkins plugin for the cloud provider.
- D. Search GitHub Marketplace for actions created by GitHub.
- E. Download the CLI for the cloud provider and review the associated documentation.

Answer: B

NEW QUESTION 26

Which of the following commands will set the \$FOO environment variable within a script, so that it may be used in subsequent workflow job steps?

- A. run: echo "::set-env name=FOO::bar"
- B. run: echo "FOO=bar" >> \$GITHUB_ENV
- C. run: echo \${{ \$FOO=bar }}
- D. run: export FOO=bar

Answer: B

Explanation:

The \$GITHUB_ENV environment variable is used to set environment variables that persist across steps in a workflow job. By echoing FOO=bar into \$GITHUB_ENV, the variable FOO will be available in subsequent steps within the same job.

NEW QUESTION 28

As a developer, you need to create a custom action written in Python. Which action type should you choose?
As a developer, you need to create a custom action written in Python. Which action type should you choose?

- A. JavaScript action
- B. composite run step
- C. Python action
- D. Docker container action

Answer: D

NEW QUESTION 30

Which default environment variable specifies the branch or tag that triggered a workflow?

- A. GITHUB_TAG
- B. GITHUB_REF
- C. ENV_BRANCH
- D. GITHUB_BRANCH

Answer: B

NEW QUESTION 35

You are reaching your organization's storage limit for GitHub artifacts and packages. What should you do to prevent the storage limit from being reached?

- A. via the .github repository owned by the organization
- B. via repositories owned by the organization
- C. via the GitHub Marketplace
- D. via a repository owned by a third party

Answer: B

NEW QUESTION 39

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