

Exam Questions GH-200

GitHub Actions Exam

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NEW QUESTION 1

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 2

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 3

Which statement is true about using default environment variables?

- A. The environment variables can be read in workflows using the ENV: variable_name syntax.
- B. The environment variables created should be prefixed with GITHUB_ to ensure they can be accessed in workflows
- C. The environment variables can be set in the defaults: sections of the workflow
- D. The GITHUB_WORKSPACE environment variable should be used to access files from within the runner.

Answer: D

NEW QUESTION 4

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 5

As a developer, you need to integrate a GitHub Actions workflow with a third-party code quality provider that uses the Checks API. How should you trigger a follow-up workflow?

- A. Add the workflow_run webhook event as a trigger for the workflow for the code quality integration name
- B. Add the check_run webhook event as a trigger for the workflow when the code quality integration is completed
- C. Add the pull_request webhook event as a trigger for the workflow when the code quality integration is synchronized
- D. Add the deployment webhook event as a trigger for the workflow when the code quality integration is completed

Answer: B

NEW QUESTION 6

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. 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.

Answer: ABD

NEW QUESTION 7

As a developer, you want to run a workflow from the Actions tab in GitHub. Which YAML snippet should you use to match the interface in this image?

Use workflow from

Branch: main ▼

Test suite

functional ▴▾

Run workflow

A)

```
on:
  workflow_dispatch:
    inputs:
      test_suite:
        description: Test suite
        type: choice
        options:
          - functional
          - regression
```

B)

```
on:
  workflow_run:
    inputs:
      test_suite:
        description: Test suite
        type: string
        options:
          - functional
          - regression
```

C)

```
on:
  workflow_dispatch:
    inputs:
      test_suite:
        description: Test suite
        type: choice
        value: functional
        options:
          - regression
```

D)

```
on:
  workflow_run:
    inputs:
      test_suite:
        description: Test suite
        type: choice
        options:
          - functional
          - regression
```

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

Answer: C**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

As a developer, you have a 10-MB data set that is required in a specific workflow. Which steps should you perform so the dataset is stored encrypted and can be decrypted during the workflow? (Choose three.)

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

Answer: ACD

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

Which action type should be used to bundle a series of run steps into a reusable custom action?

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

Answer: A

Explanation:

A composite action allows you to bundle multiple steps into a single reusable action within a workflow. It is composed of multiple run steps or other actions and can be reused across workflows, making it the perfect choice for bundling a series of steps.

NEW QUESTION 12

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. workflow_run
- C. deployment
- D. repository_dispatch

Answer: D

Explanation:

The repository_dispatch event allows you to trigger a workflow in response to external activity. It is commonly used when you need to trigger a workflow from outside GitHub, such as from another system or service, by sending a request to the GitHub API. This event provides flexibility to integrate with various external systems and trigger workflows in a GitHub repository.

NEW QUESTION 17

As a developer, how can you identify a Docker container action on GitHub?

- A. The action's repository includes @actions/core in the root directory.
- B. The action's repository name includes the keyword "Docker."
- C. The action.yml metadata file references a Dockerfile file.
- D. The action.yml metadata file has the runs.using value set to Docker.

Answer: D

NEW QUESTION 22

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

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

Answer: C

NEW QUESTION 24

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