

Microsoft

Exam Questions GH-200

GitHub Actions Exam



NEW QUESTION 1

Which run: command will set a step's output?

- A. run: echo "MY_OUTPUT=foo" >> \$GITHUB_OUTPUT
- B. run: export MY_OUTPUT=foo
- C. run: echo \${ \$GITHUB_OUTPUT=foo }
- D. run: echo "::set-env name=MY OUTPUT::foo"

Answer: A

NEW QUESTION 2

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

Answer: B

NEW QUESTION 3

As a developer, you need to make sure that only actions from trusted sources are available for use in your GitHub Enterprise Cloud organization. Which of the following statements are true? (Choose three.)

- A. Specific actions can individually be enabled for the organization, including version information.
- B. GitHub-verified actions can be collectively enabled for use in the enterprise.
- C. Actions can be restricted to only those available in the enterprise.
- D. Actions created by GitHub are automatically enabled and cannot be disabled.
- E. Individual third-party actions enabled with a specific tag will prevent updated versions of the action from introducing vulnerabilities.
- F. Actions can be published to an internal marketplace.

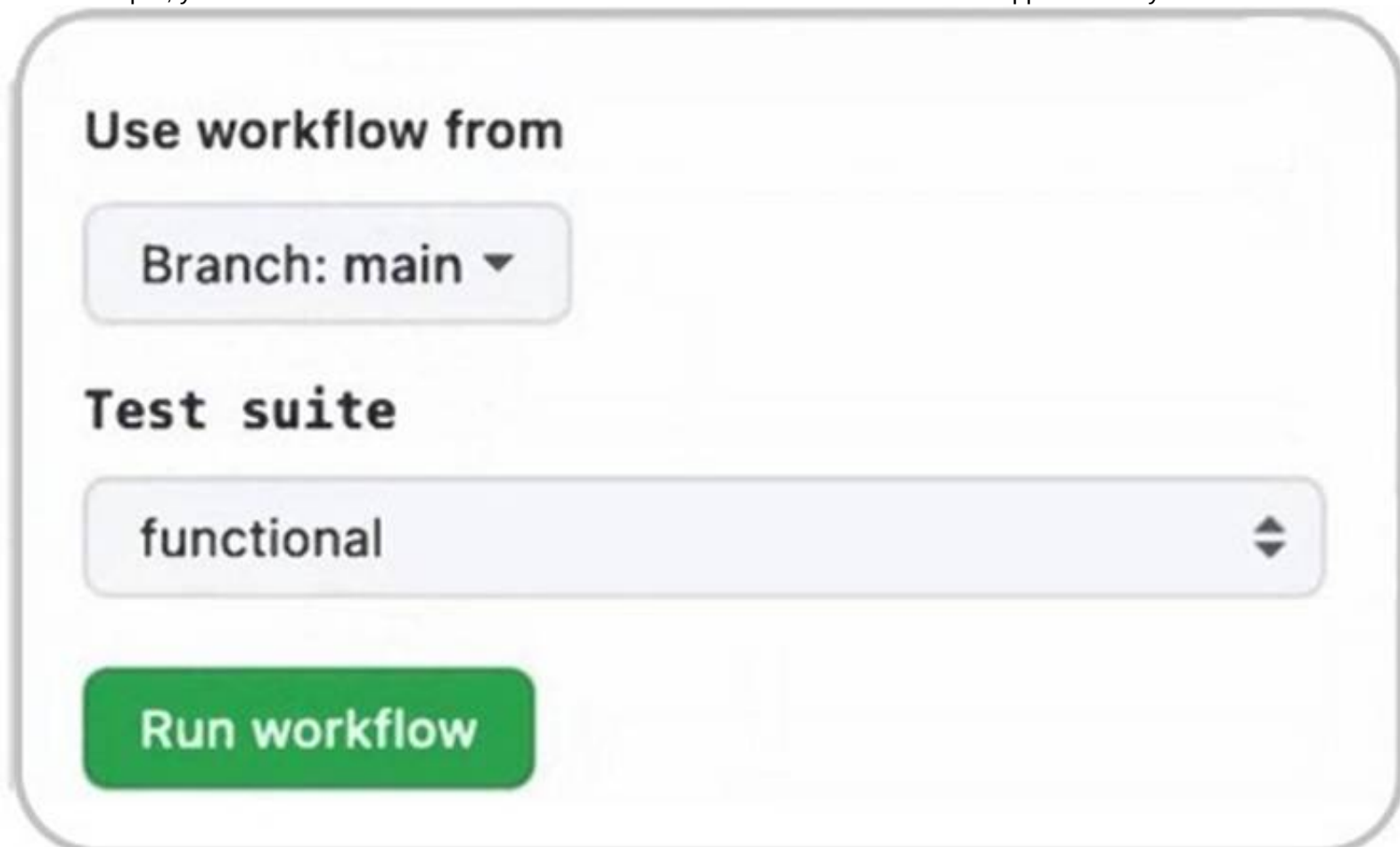
Answer: ABF

Explanation:

You can enable specific actions for the organization by identifying them and providing version control, ensuring only trusted versions are used in workflows. GitHub-verified actions can be enabled at the enterprise level, providing an extra layer of security by ensuring that only trusted actions are available to workflows. Actions can be published to an internal marketplace, allowing organizations to share reusable actions securely within their enterprise without exposing them to the public.

NEW QUESTION 4

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 5

Which files are required for a Docker container action in addition to the source code? (Choose two.)

- A. Dockerfile
- B. Actionfile
- C. metadata.yml
- D. action.yml

Answer: AD

NEW QUESTION 6

Which syntax correctly accesses a job output (output1) of an upstream job (job1) from a dependent job within a workflow?

- A. `${{needs.job1.outputs.output1}}`
- B. `${{needs.job1.output1}}`
- C. `${{depends.job1.output1}}`
- D. `${{job1.outputs.output1}}`

Answer: A

NEW QUESTION 7

Which workflow event is used to manually trigger a workflow run?

- A. create
- B. workflow_dispatch
- C. workflow_run
- D. status

Answer: B

NEW QUESTION 8

What is the right method to ensure users approve a workflow before the next step proceeds?

- A. creating a branch protection rule and only allow certain users access
- B. granting users workflow approval permissions
- C. adding users as required reviewers for an environment
- D. granting users repository approval permissions

Answer: C

Explanation:

GitHub Actions allows you to configure environment protection rules, where you can require specific users or teams to approve the deployment before the workflow proceeds to the next step. This ensures that the required reviewers approve the workflow before any sensitive actions (such as deployment) occur.

NEW QUESTION 9

Which of the following statements are true regarding the use of GitHub Actions on a GitHub Enterprise Server instance? (Choose three.)

- A. Use of GitHub Actions on GitHub Enterprise Server requires a persistent internet connection

- B. Actions created by GitHub are automatically available and cannot be disabled
- C. Most GitHub authored actions are automatically bundled for use on GitHub Enterprise Server
- D. Third party actions can be used on GitHub Enterprise Server by configuring GitHub Connect
- E. Actions must be defined in the .github repository
- F. Third party actions can be manually synchronized for use on GitHub Enterprise Server

Answer: ADF

NEW QUESTION 10

A development team has been using a Powershell script to compile and package their solution using existing tools on a Linux VM, which has been configured as a self-hosted runner. They would like to use the script as-is in an automated workflow. Which of the following should they do to invoke their script within a workflow step?

- A. Configure a self-hosted runner on Windows with the requested tools.
- B. Use the YAML powershell: step.
- C. Run the pwsh2bash command to convert the script so it can be run on Linux.
- D. Use the YAML shell: pwsh in a run step.
- E. Use the actions/run-powershell action to invoke the script.

Answer: D

Explanation:

Since the self-hosted runner is configured on a Linux VM and the script is written in PowerShell, you can invoke the script using the pwsh (PowerShell Core) shell in a run step in the workflow. This ensures that the script runs as-is on the Linux runner, as PowerShell Core (pwsh) is cross-platform and supports Linux.

NEW QUESTION 10

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 14

How can GitHub Actions encrypted secrets be used in if: conditionals within a workflow job?

- A. Set the encrypted secret as a job-level environment variable and then reference the environment variable within the conditional statement.
- B. Create a job dependency that exposes the encrypted secret as a job output, which can then be leveraged in a subsequent dependent job.
- C. Use the secrets context within the conditional statement, e.
- D. \${ secrets.MySuperSecret }.
- E. Use a workflow command to expose the encrypted secret via a step's output parameter and then use the step output in the job's if: conditional.

Answer: C

NEW QUESTION 17

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 22

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 26

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 29

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