

**EXAMTOPICS**

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## **CERTIFICATION TEST**

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Which statement is true regarding the ability to delete a workflow run?

- A. Pending workflow runs may be deleted.
- B. Completed workflow runs may be deleted.
- C. Admin access is required to delete a workflow run.
- D. Workflow runs must be older than 30 days to be deleted.

**Suggested Answer: B**

*Community vote distribution*

B (100%)

  **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer: B**

B is correct.

upvoted 1 times

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

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

**Suggested Answer:** B

*Community vote distribution*

B (100%)



 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer: B**

B is correct.

upvoted 1 times

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.

**Suggested Answer:** ABD

*Community vote distribution*

BCD (100%)



 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer:** BCD

BCD are correct.

upvoted 3 times

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.

**Suggested Answer:** ACD

Community vote distribution

ADF (100%)



 **pflopez** 6 months ago

**Selected Answer:** ADF

You can't store a 10 MB dataset as a secret.

upvoted 2 times

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.

**Suggested Answer:** D

*Community vote distribution*

D (100%)

  **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer: D**

D is correct.

upvoted 1 times

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

**Suggested Answer:** B

*Community vote distribution*

B (100%)

 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer: B**

B is correct.

upvoted 1 times

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

**Suggested Answer:** B

*Community vote distribution*

B (100%)



 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer: B**

B is correct.

upvoted 1 times

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

- A. The actions repository name includes the keyword "JavaScript."
- B. The action's repository includes a js.yml file in the .github/workflows directory.
- C. The action.yml metadata file references a package.json file.
- D. The action.yml metadata file has the runs.using value set to node16.

**Suggested Answer:** D

*Community vote distribution*

D (100%)

 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer:** D

D is correct.

upvoted 1 times

In which scenarios could the GITHUB\_TOKEN be used? (Choose two.)

- A. to leverage a self-hosted runner
- B. to create a repository secret
- C. to publish to GitHub Packages
- D. to create issues in the repo
- E. to read from the file system on the runner
- F. to add a member to an organization

**Suggested Answer:** *CD*

*Community vote distribution*

CD (100%)



 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer:** CD

CD are correct.

upvoted 1 times

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

**Suggested Answer:** CE

*Community vote distribution*

CE (100%)

 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer:** CE

CE are correct.

upvoted 1 times

While awaiting approval, how many days can a workflow be in the "Waiting" state before it automatically fails?

- A. 7 days
- B. 14 days
- C. 30 days
- D. 60 days

**Suggested Answer: A**

*Community vote distribution*

C (100%)



 **pflopez** 6 months ago

**Selected Answer: C**

updated documentation says 30 days

upvoted 1 times

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

**Suggested Answer:** E

*Community vote distribution*



 **rakutenchimpoman** 5 months, 3 weeks ago

**Selected Answer: E**

E is correct.

upvoted 1 times

Custom environment variables can be defined at multiple levels within a workflow file including: (Choose two.)

- A. step level.
- B. default level.
- C. stage level.
- D. top level.
- E. job level.
- F. runner level.

**Suggested Answer:** *AE*

Currently there are no comments in this discussion, be the first to comment!

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.g. `${{ secrets.MySuperSecret }}`.
- D. 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.

**Suggested Answer:** *C*

Currently there are no comments in this discussion, be the first to comment!

In which of the following scenarios should you use self-hosted runners? (Choose two.)

- A. when you want to use macOS runners
- B. when a workflow job needs to install software from the local network
- C. when GitHub Actions minutes must be used for the workflow runs
- D. when the workflow jobs must be run on Windows 10
- E. when jobs must run for longer than 6 hours

**Suggested Answer:** *BE*

Currently there are no comments in this discussion, be the first to comment!

Which default GitHub environment variable indicates the name of the person or app that initiated a workflow?

- A. ENV\_ACTOR
- B. GITHUB\_WORKFLOW\_ACTOR
- C. GITHUB\_ACTOR
- D. GITHUB\_USER

**Suggested Answer:** *C*

Currently there are no comments in this discussion, be the first to comment!

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".

**Suggested Answer:** AC

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** *BC*

Currently there are no comments in this discussion, be the first to comment!

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.

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

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

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

**Suggested Answer:** AC

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** C

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** *AB*

Currently there are no comments in this discussion, be the first to comment!

As a developer, you are designing a workflow and need to communicate with the runner machine to set environment variables, output values used by other actions, add debug messages to the output logs, and other tasks. Which of the following options should you use?

- A. environment variables
- B. workflow commands
- C. self-hosted runners
- D. enable debug logging
- E. composite run step

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

Which of the following is the best way for an enterprise to prevent certain marketplace actions from running?

- A. Create a list of the actions that are restricted from being used as an enterprise policy. Every other action can be run.
- B. It is not possible; if an action is in the marketplace, its use cannot be restricted.
- C. Create a list that is maintained as a .yaml file in a .github repository specified in the enterprise. Only these actions can be run.
- D. Create a list of the actions that are allowed to run as an enterprise policy. Only these actions can be run.

**Suggested Answer:** *D*

Currently there are no comments in this discussion, be the first to comment!

What are the two ways to pass data between jobs? (Choose two.)

- A. Use the copy action with restore parameter to restore the data from the cache
- B. Use the copy action to save the data that should be passed in the artifacts folder.
- C. Use the copy action with cache parameter to cache the data
- D. Use data storage.
- E. Use job outputs
- F. Use artifact storage.

**Suggested Answer:** *EF*

Currently there are no comments in this discussion, be the first to comment!

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.

**Suggested Answer:** *BC*

Currently there are no comments in this discussion, be the first to comment!

Your organization needs to simplify reusing and maintaining automation in your GitHub Enterprise Cloud. Which components can be directly reused across all repositories in an organization? (Choose three.)

- A. self-hosted runners
- B. actions stored in private repositories in the organization
- C. encrypted secrets
- D. custom Docker actions stored in GitHub Container Registry
- E. actions stored in an organizational partition in the GitHub Marketplace
- F. workflow templates

**Suggested Answer:** *BCF*

Currently there are no comments in this discussion, be the first to comment!

In which locations can actions be referenced by workflows? (Choose three.)

- A. a separate public repository
- B. an .action extension file in the repository
- C. the same repository as the workflow
- D. a published Docker container image on Docker Hub
- E. the runs-on: keyword of a workflow file
- F. the repository's Secrets settings page
- G. a public NPM registry

**Suggested Answer:** *ACD*

Currently there are no comments in this discussion, be the first to comment!

As a developer, what options should you recommend to implement standards for automation reuse? (Choose two.)

- A. Create workflow templates and store them in the organization's .github repository.
- B. Create reusable actions and workflows that can be called from other workflows.
- C. Create a marketplace partition to publish reusable automation for the company.
- D. Store shared corporate actions in subfolders in a defined and documented internally accessible repository.

**Suggested Answer:** *AB*

Currently there are no comments in this discussion, be the first to comment!

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.

**Suggested Answer:** *ABF*

Currently there are no comments in this discussion, be the first to comment!

What menu options in a repository do you need to select in order to use a starter workflow that is provided by your organization?

- A. Actions > Load workflow
- B. Workflow > New workflow
- C. Workflow > Load workflow
- D. Actions > New workflow

**Suggested Answer:** *D*

Currently there are no comments in this discussion, be the first to comment!

Where should workflow files be stored to be triggered by events in a repository?

- A. .github/workflows/
- B. .github/actions/
- C. Nowhere; they must be attached to an action in the GitHub user interface
- D. anywhere
- E. .workflows/

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

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.

**Suggested Answer:** *D*

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** AC

Currently there are no comments in this discussion, be the first to comment!

You have exactly one Windows x64 self-hosted runner, and it is configured with custom tools. Which syntax could you use in the workflow to target that runner?

- A. self-hosted: [windows-x64]
- B. runs-on: [self-hosted, windows, x64]
- C. runs-on: windows-latest
- D. self-hosted: [windows, x64]

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** *AD*

Currently there are no comments in this discussion, be the first to comment!

As a developer, you want to review the step that caused a workflow failure and the failed step's build logs. First navigate to the main page of the repository on GitHub. Which section contains the step failure information?

- A. Insights
- B. Code
- C. Actions
- D. Pull requests
- E. Issues

**Suggested Answer:** *C*

Currently there are no comments in this discussion, be the first to comment!

When creating and managing custom actions in an enterprise setting, which of the following is considered a best practice?

- A. creating a separate repository for each action so that the version can be managed independently
- B. creating a separate branch in application repositories that only contains the actions
- C. creating a single repository for all custom actions so that the versions for each action are all the same
- D. including custom actions that other teams need to reference in the same repository as application code

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

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.

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

Without the need to use additional infrastructure, what is the simplest and most maintainable method for configuring a workflow job to provide access to an empty PostgreSQL database?

- A. Use service containers with a Postgres database from Docker hub.
- B. Run the actions/postgres action in a parallel job.
- C. It is currently impossible to access the database with GitHub Actions.
- D. Dynamically provision and deprovision an environment.

**Suggested Answer:** A

Currently there are no comments in this discussion, be the first to comment!

Which of the following scenarios requires a developer to explicitly use the GITHUB\_TOKEN or github.token secret within a workflow? (Choose two.)

- A. passing the GITHUB\_TOKEN secret to an action that requires a token as an input
- B. making an authenticated GitHub API request
- C. checking out source code with the actions/checkout@v3 action
- D. assigning non-default permissions to the GITHUB\_TOKEN

**Suggested Answer:** *AB*

Currently there are no comments in this discussion, be the first to comment!

What is the most suitable action type for a custom action written in TypeScript?

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

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

Scheduled workflows run on the:

- A. latest commit and branch on which the workflow was triggered
- B. latest commit from the branch named schedule
- C. latest commit from the branch named main
- D. specified commit and branch from the workflow YAML file
- E. latest commit on the default or base branch

**Suggested Answer: A**

*Community vote distribution*



 **thejex13** 5 months, 1 week ago

**Selected Answer: E**

En GitHub Actions, cuando configuras un flujo de trabajo (workflow) para que se ejecute de forma programada mediante el evento schedule (usando sintaxis POSIX cron), este siempre se ejecuta utilizando el último commit de la rama predeterminada

upvoted 1 times

Which default GitHub environment variable indicates the owner and repository name?

- A. REPOSITORY\_NAME
- B. GITHUB\_REPOSITORY
- C. ENV\_REPOSITORY
- D. GITHUB\_WORKFLOW\_REPO

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

What metadata file in a custom action defines the main entry point?

- A. action.js
- B. index.js
- C. action.yml
- D. main.yml

**Suggested Answer:** *C*

Currently there are no comments in this discussion, be the first to comment!

What is a valid scenario regarding environment secrets?

- A. configuring environment secrets to automatically pull from Azure Key Vault
- B. ensuring only a specific step can access an environment secret
- C. configuring environment secrets for connecting to GitHub Enterprise Server
- D. ensuring a job cannot access environment secrets until approval is obtained from a required reviewer

**Suggested Answer:** *D*

Currently there are no comments in this discussion, be the first to comment!

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

- A. create
- B. workflow\_dispatch
- C. workflow\_run
- D. status

**Suggested Answer:** *B*

Currently there are no comments in this discussion, be the first to comment!

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

**Suggested Answer:** *ADF*

Currently there are no comments in this discussion, be the first to comment!