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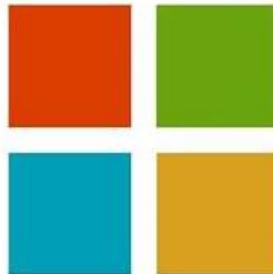
Now we can say that GitHub Actions (GH-200) exam questions are real and top-notch Microsoft GH-200 exam questions that you can expect in the upcoming GitHub Actions (GH-200) exam. In this way, you can easily pass the GH-200 exam with good scores. The countless GH-200 Exam candidates have passed their dream GH-200 certification exam and they all got help from real, valid, and updated GH-200 practice questions, You can also trust on ITExamDownload and start preparation with confidence.

Microsoft GH-200 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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 3	• 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.
Topic 4	• 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.

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Microsoft GitHub Actions Sample Questions (Q89-Q94):

NEW QUESTION # 89
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 allowed to run as an enterprise policy. Only these actions can be run.
- B. Create a list of the actions that are restricted from being used as an enterprise policy. Every other action can be run.
- C. Create a list that is maintained as a . yml file in a . github repository specified in the enterprise. Only these actions can be run.
- D. It is not possible; if an action is in the marketplace, its use cannot be restricted.

Answer: A

Explanation:
The best way for an enterprise to control which GitHub Actions run is by creating a list of approved actions as an enterprise policy. This approach restricts workflows to only use the actions that are explicitly allowed, ensuring security and compliance within the organization.

NEW QUESTION # 90
A workflow that had been working now stalls in a waiting state until failing. The workflow file process-ml.yaml has not changed and contains jobs specifying runs-on: [gpu]. Which of the following steps would troubleshoot the issue? (Each answer presents a complete solution.
Choose two.)

- A. Increase the usage limits for the GitHub-hosted runners.
- B. Update the org settings to enable GPU-based GitHub-hosted runners.
- C. Review the contents of the Runner_*.log files in the _diag folder.
- D. Check the "Set up job" step for the logs of the last successful run to determine the runner.
- E. Rotate the GITHUB_TOKEN secret for the appropriate runners.

Answer: B,C

Explanation:
Monitoring and troubleshooting self-hosted runners
You can monitor your self-hosted runners to view their activity and diagnose common issues.
[A] Reviewing the self-hosted runner application log files
You can monitor the status of the self-hosted runner application and its activities. Log files are kept in the _diag directory where you installed the runner application, and a new log is generated each time the application is started. The filename begins with Runner_, and is followed by a UTC timestamp of when the application was started.
[D] You can choose one of the standard GitHub-hosted runner options or, if you are on the GitHub Team or GitHub Enterprise Cloud plan, you can provision a runner with more cores, or a runner that's powered by a GPU processor. These machines are referred to as "larger runner." Reference:
https://docs.github.com/en/actions/how-tos/manage-runners/self-hosted-runners/monitor-and- troubleshoot
https://docs.github.com/en/actions/concepts/runners/github-hosted-runners

NEW QUESTION # 91
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?
(Each correct answer presents a complete solution. Choose three.)

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

Answer: B,D,F

Explanation:
[D] Encrypted secrets can be accessed across repositories in the same organization, making it easy to store sensitive data (like API keys or tokens) securely while allowing multiple workflows to access them.
[E] Workflow templates allow you to create reusable templates for workflows that can be shared across repositories within the organization. This makes it easier to standardize processes and automate them across multiple projects.
[F] Actions stored in private repositories within the organization can be reused across all repositories by referencing them in workflows. This ensures a centralized way of maintaining custom actions.
Reference:
https://docs.github.com/en/actions/how-tos/reuse-automations/reuse-workflows

NEW QUESTION # 92
As a developer, you have configured an IP allow list on a GitHub organization. Which effects does the IP allow list have on GitHub Actions? (Each answer presents a complete solution.
Choose two.)

- A. You can use standard GitHub-hosted runners since their IP addresses are automatically allowed.
- B. You can use GitHub-hosted larger runners since they can be configured with static IP addresses.
- C. You can use self-hosted runners with known IP addresses.
- D. You must allow GitHub Actions's IP address ranges in order to use marketplace actions.

Answer: B,C

Explanation:
Using GitHub Actions with an IP allow list. If you use an IP allow list and would also like to use GitHub Actions, you must use self-hosted runners or GitHub-hosted larger runners with static IP address ranges To allow your self-hosted or larger hosted runners to communicate with GitHub, add the IP address or IP address range of your runners to the IP allow list that you have configured for your enterprise.
Reference:
https://docs.github.com/en/enterprise-cloud@latest/organizations/keeping-your-organization- secure/managing-security-settings-for-your-organization/managing-allowed-ip-addresses-for- your-organization

NEW QUESTION # 93

What is the smallest scope for an environment variable?

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

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 # 94

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