

Microsoft GH-600 Exam Questions - Get Excellent Scores



The second format of GitHub Agent AI Developer (GH-600) is the web-based practice exam that can be taken online through browsers like Firefox, Chrome, Safari, MS Edge, Internet Explorer, and Microsoft Edge. You don't need to install any excessive plugins or Software to attempt the web-based Practice GH-600 Exam. All operating systems also support the web-based practice exam.

Microsoft GH-600 Exam Syllabus Topics:

Section	Weight	Objectives
Topic 1: Implement guardrails and accountability	10–15%	- Enforce least privilege and security boundaries - Log actions, decisions, and changes for audit - Ensure compliance, safety, and responsible use - Add validation, review, and approval gates
Topic 2: Implement tool use and environment interaction	20–25%	- Configure and extend GitHub Copilot agents - Implement tools, custom actions, and MCP servers - Connect agents to codebase, APIs, and external systems - Manage permissions and environment access
Topic 3: Manage memory, state, and execution	10–15%	- Implement memory cleanup and expiration rules - Choose memory types: short-term, long-term, external - Scope and persist agent state correctly - Handle execution flow, retries, and interruptions
Topic 4: Prepare agent architecture and SDLC processes	15–20%	- Define agent purpose, scope, and success criteria - Integrate agents into software development lifecycle - Design agent autonomy and decision boundaries - Plan agent deployment, monitoring, and maintenance
Topic 5: Perform evaluation, error analysis, and tuning	15–20%	- Optimize prompts, tools, and behavior through iteration - Diagnose failures, hallucinations, and unexpected behavior - Define metrics and quality standards for outputs - Test, validate, and compare agent results

Topic 6: Orchestrate multi-agent coordination	15–20%	- Define communication and handoff protocols - Monitor and troubleshoot multi-agent execution - Prevent conflicts and manage shared resources - Design workflows for multiple agents
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>> GH-600 Exam Reference <<

Microsoft GH-600 Reasonable Exam Price | New GH-600 Exam Camp

As a market leader, our company is able to attract quality staffs, it actively seeks out those who are energetic, persistent, and professional to various GH-600 certificate and good communicator. And we strongly believe that the key of our company's success is its people, skills, knowledge and experience. Over 50% of the account executives and directors have been with the Group for more than ten years. The successful selection, development and GH-600 training of personnel are critical to our company's ability to provide a high pass rate of GH-600 exam questions for you to pass the GH-600 exam.

Microsoft GitHub Agentic AI Developer Sample Questions (Q54-Q59):

NEW QUESTION # 54

Case Study 2

Existing Environment

GitHub Environment

The GitHub environment contains the following:

- Three repositories named product-api, billing-service, and infra-terraform.
- Branch protection on the main branch in all repositories that requires at least one pull request review before merging
- GitHub Actions runners used across all workflows
- A GitHub team named SG_Dev that contains developers
- A GitHub team named SG_Review that contains senior engineers and a security team
- A .github/copilot-instructions.md file that includes general coding conventions for all features Agent environment The product-api repository uses a GitHub Copilot coding agent named agent1 that has the following configurations:
- No custom agent profile is defined.

- A Model Context Protocol (MCP) server named MCP1 is deployed to

<https://mcp.litwareinc.internal> and provides access to internal ticketing and deployment APIs.

MCP1 requires an API key for authentication.

A second Copilot coding agent named agent2 handles changes in infra-terraform and runs in parallel with agent1 when both agents have open assigned issues.

Copilot memory is NOT enabled for the organization.

Problem Statements

Litware identifies the following issues:

- During two recent sessions, agent1 accessed files in billing-service, which is outside the agent's intended scope.
- agent1 makes code changes immediately after receiving a task.
- A developer named Ben, who is on the SG_Dev team, reports that agent1 completed a session with a successful status and opened a pull request, but the pull request contains no file changes.

Other developers report this intermittently as well.

- Both agent1 and agent2 modified shared/config.yaml in a parallel test run, generating conflicting outputs.

agent1 consistently uses raw try-catch blocks for error handling, which violates the defined implementation guidelines of SG_Dev.

Requirements

Planned Changes

Litware plans to make the following changes:

- Ensure that agent1 can access all the tools in the environment.
- Provide product-api with specific instructions to agent1 without affecting Copilot Chat or Copilot code review.
- Configure MCP1 as a tool for agent1 by modifying the product-api repository MCP configuration.
- Ensure that Copilot retains details that it has learned and uses that knowledge for future work.

This must be applied to all licensed members of the organization.

Implementation guidelines

The development team at Litware identifies the following implementation guidelines:

- Agent workflows must be able to run in parallel.
- Application error handling must use the repository ErrorHandler class.
- agent1 and agent2 must run on isolated branches during parallel execution. File-level conflicts must be detected before merges, and both agents must be able to run concurrently.

Security requirements

Litware identifies the following security requirements:

- Only the members of SG_Review must be able to approve agent1 plan outputs.
- All API keys must be stored and accessed securely.
- The developers must NOT be able to self-approve.

Agent configuration

```
01 ---
02 name: agent1
03 description: Coordinates code changes for the product-04 api repository using approved tools and conventions.
04 tools: ['read', 'search', 'edit']
05 model: gpt-5.2
06 user-invokeable: true
07 disable-model-invocation: false
08 ---
09 You are agent1 for the product-api repository.
```

You need to troubleshoot the issue reported by Ben.

What should you review?

- A. the GitHub Actions usage metrics of repo1
- B. the GITHUB_TOKEN permissions block in the agent1 workflow
- C. the agent session log in the Agents panel
- D. the GitHub Actions runner log for the session job

Answer: C

Explanation:

Scenario: A developer named Ben, who is on the SG_Dev team, reports that agent1 completed a session with a successful status and opened a pull request, but the pull request contains no file changes. Other developers report this intermittently as well.

To investigate a successful Copilot agent session that created an empty pull request, you should check the agent session log in the Agents panel.

Internal behavior: The empty pull request means the agent completed its logical execution loop without generating or committing code modifications.

Session context: The agent session log contains the specific LLM prompts, tool execution outputs, and file parsing steps that explain why the agent decided no changes were necessary.

Reference:

<https://github.blog/ai-and-ml/github-copilot/whats-new-with-github-copilot-coding-agent/>

NEW QUESTION # 55

You are debugging an agentic workflow that intermittently fails specific tool calls with rate-limit errors when connecting to an internal MCP server. What is the most direct remediation?

- A. Switch to --allow-all
- B. Add a CODEOWNERS entry
- C. Run /clear
- D. Increase the MCP server's configured rate limits/quota

Answer: D

Explanation:

Rate-limit errors from a tool call indicate the MCP server's quota configuration is being exceeded; adjusting the server's rate limits addresses the root cause, unlike context-management or permission commands.

NEW QUESTION # 56

Drag and Drop Question

You have a GitHub repository that uses the GitHub Copilot coding agent to resolve issues and create draft pull requests. The repository uses GitHub Actions for CI, and reviewers rely on pull request timelines and workflow artifacts to understand what the agent did.

During long-running agent tasks, the reviewers lose track of decisions and validation steps, which causes repeated questions and reworks when context drifts between iterations.

You need to persist task progress and decisions as durable artifacts and ensure that the reviewers can verify what the agent did during and after execution by using GitHub as the system of record.

What should you do for each requirement? To answer, drag the appropriate actions to the correct requirements. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Actions	Answer Area
Select View session to stream live agent logs.	Create durable run outputs that are downloadable after completion:
Assign an issue and wait for the agent to view the issue.	Provide ongoing, human-reviewable task progress signals inside the pull request:
Select Approve and run workflows in the pull request merge box.	Provide a real-time view of agent actions for audit and troubleshooting:
Mention @copilot in the merged pull request to restart the agent.	
Watch for pull request body updates and pull request timeline events.	
Use the upload-artifact action and configure artifact retention in the CI workflow.	



Answer:

Explanation:

Actions	Answer Area
Select View session to stream live agent logs.	Create durable run outputs that are downloadable after completion: Use the upload-artifact action and configure artifact retention in the CI workflow.
Assign an issue and wait for the agent to view the issue.	Provide ongoing, human-reviewable task progress signals inside the pull request: Assign an issue and wait for the agent to view the issue.
Select Approve and run workflows in the pull request merge box.	Provide a real-time view of agent actions for audit and troubleshooting: Select View session to stream live agent logs.
Mention @copilot in the merged pull request to restart the agent.	
Watch for pull request body updates and pull request timeline events.	
Use the upload-artifact action and configure artifact retention in the CI workflow.	



Explanation:

Box 1: Use the upload-artifact action and configure artifact retention in the CI workflow To meet this requirement you should use the actions/upload-artifact action and configure the retention-days property in your GitHub Actions CI workflow.

By default, GitHub retains workflow artifacts for a maximum of 90 days for public and private repositories (customizable down to 1 day). Utilizing these configurations ensures that human reviewers can download and inspect the agent's background outputs long after the initial execution concludes.

Box 2: Assign an issue and wait for the agent to view.

The best action is to assign an issue and wait for the agent to view.

Assigning a GitHub issue to the Copilot coding agent triggers it to autonomously start working on the background task. While investigating code and implementing the required fixes, it provides real-time, human-reviewable progress updates directly within the issue or pull request timeline (such as showing a "Copilot has started work" event, or tracking its steps inside the agent workflow).

This completely satisfies the requirement for ongoing, transparent signaling for reviewers.

Box 3: Select View session to stream live agent logs

You should select "View session" (or navigate to the Agents tab) on GitHub to stream live agent logs.

When using the GitHub Copilot cloud agent asynchronously to resolve issues and generate draft pull requests, the process occurs entirely in a GitHub-hosted background environment. While automated status summaries eventually populate the pull request timeline, real-time auditing during an active run requires looking directly at the active session stream.

Reference:

<https://docs.github.com/en/organizations/managing-organization-settings/configuring-the-retention-period-for-github-actions-artifacts-and-logs-in-your-organization>

NEW QUESTION # 57

You have a GitHub Enterprise Cloud repository that uses the GitHub Copilot coding agent.

Engineers assign issues to Copilot, and Copilot creates draft pull requests. The engineers start tasks either by assigning issues on github.com or by using GitHub Copilot Chat in an IDE.

Reviewers request updates by leaving pull request comments.

You discover that sometimes, Copilot uses outdated requirements after a reviewer posts an updated instruction in a pull request comment, and, in several cases, Copilot fails to resume work from the comment.

You need to ensure that iteration requests are applied to the correct pull request session and are processed consistently.

What should you do?

- A. Ensure that the agent has write access to the repository. Instruct the reviewer to unassign and reassign the original issue to Copilot.
- **B. Ensure that the reviewer has write access to the repository. Instruct the reviewer to mention @copilot in the pull request comments.**
- C. Ensure that the agent has write access to the repository. Instruct the reviewer to mention @github in the task comments.
- D. Start a new task from Copilot Chat in the IDE. Instruct the reviewer to mention @github in the task comments.

Answer: B

Explanation:

You should explicitly instruct the reviewer to mention @copilot in the pull request comments, and you must verify that they have write access to the repository.

Explicit Triggering: GitHub Copilot's asynchronous coding agent listens for active summons in existing pull request threads. Simply leaving a comment without an explicit @copilot mention may cause it to skip processing the update entirely, explaining why it fails to resume work.

Context Preservation: By directly mentioning @copilot within the specific pull request comment thread, the agent binds the new instructions directly to that exact active development session.

This prevents it from pulling outdated requirements from the initial issue definition.

Permission Enforcement: GitHub Copilot will ignore commands and mentions from users who do not possess write permissions (or higher) on the repository to prevent unauthorized code modifications or resource usage.

Reference:

<https://github.blog/ai-and-ml/github-copilot/assigning-and-completing-issues-with-coding-agent-in-github-copilot/>

NEW QUESTION # 58

Your organization requires that any workflow file changes proposed by an autonomous agent be reviewed by a member of the security team before merging, regardless of who opened the pull request. What combination should you configure?

- A. MCP server permissions + repository ruleset
- B. copilot-instructions.md + required status checks
- **C. CODEOWNERS + a required branch protection rule**
- D. .copilotignore + agents.md

Answer: C

Explanation:

A CODEOWNERS file designates the security team as required reviewers for the .github/workflows/* path, and a branch protection rule enforces that their approval is required before any pull request touching that path can merge.

NEW QUESTION # 59

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