PRACTICE QUESTIONS

Microsoft

AZ-401

Agentic DevOps Engineer Expert

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10 practice questions for the Microsoft `AZ-401` exam, Agentic DevOps Engineer Expert, each followed by its answer and a short explanation. More free sets and the full practice exam: **aiexamcerts.com/microsoft/az-401**. Spotted a mistake? Email support@aiexamcerts.com with the exam code `AZ-401` and the question number.

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1. A security lead wants an Azure Repos pull request author's own vote to stop counting toward the minimum reviewer requirement. Which branch policy setting achieves this?

A Enable build validation with an expiration time
B Disable approval of own changes by requestors
C Require a linked work item on each pull request
D Enable automatic reviewer inclusion for the author

Answer: B

The minimum reviewers policy has an option controlling whether requestors may approve their own changes, and turning it off excludes the author's vote. Build validation checks code health but does not influence who may approve.

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2. GitHub Copilot coding agent is asked to implement an issue in a repository whose main branch is protected. How do the protections apply?

A The agent bypasses all protection rules because it is a GitHub-owned app trusted by default
B The agent pushes directly to main once its automated tests pass, skipping required reviews
C It opens a pull request from its own branch that must pass the usual reviews and checks
D Protection applies only to human accounts and is skipped for any bot or app identity

Answer: C

Copilot coding agent works on a branch it creates and proposes the change as a pull request, so the same required reviews and status checks guard main. It does not get a bypass, and the work still needs human review before merge.

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3. A developer ran git reset `--hard` and lost commits that are no longer on any branch. Which command helps find the lost commit so it can be restored?

A `git blame`
B `git bisect`
C `git gc --prune=now`
D `git reflog`

Answer: D

git reflog lists where HEAD and branch tips have pointed recently, so the lost commit hash can be found and checked out or reset to. git gc with prune would actually remove unreachable objects, making recovery harder.

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4. A committed credential must be removed from every commit in a repository's history. Which approach does that?

A Rewrite history with git filter-repo, force push, then rotate the key

B Run git revert on the commit that originally added the credential

C Delete the file in a new commit and push it to the main branch

D Run git commit --amend on the latest commit and force push with lease

Answer: A

Only a history rewrite removes the value from past commits, and the credential must still be rotated because it was exposed. A revert or a deleting commit leaves the secret readable in earlier history.

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5. Which two methods migrate a repository from Azure Repos to GitHub while keeping its history? (Choose two.)

A Download a zip of the files and commit them as one commit

B Fork the Azure Repos repository into GitHub

C Use GitHub Enterprise Importer with the gh ado2gh extension

D Clone with git clone --mirror and push with git push --mirror to the new GitHub repository

E Export only the wiki and recreate the code manually

Answer: C, D

GitHub Enterprise Importer and a mirror clone and push both carry all branches, tags and commits. A zip upload loses history, and Azure Repos repositories cannot be forked into GitHub.

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6. Git hooks stored in the .git/hooks folder are not part of the repository, so they are not shared when others clone it.

A True

B False

Answer: A (True)

Hooks in .git/hooks are local and unversioned. Teams share them by committing a hooks folder and pointing `core.hooksPath` at it, or by using a hook manager.

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7. Typing #123 in an Azure Repos pull request description can link work item 123 to the pull request.

A True

B False

Answer: A (True)

Azure DevOps offers work item mentions with the # prefix in pull request descriptions and comments, which creates a link for traceability. In GitHub, the same job is done with the Azure Boards AB# syntax.

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8. To make Git use a versioned folder such as .githooks for hooks, set the _____ configuration key to that path.

Answer: **core.hooksPath** (also accepted: hooksPath)

Setting `core.hooksPath` tells Git to look in a tracked directory, so every contributor can run the same checks. Otherwise hooks in .git/hooks stay local.

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9. A GitHub _____ queue tests each pull request against the latest base branch and queued changes before merging.

Answer: **merge**

The merge queue builds merge groups so that approved pull requests are validated against the target branch combined with queued changes. It prevents a change that passed alone from breaking main after another merges.

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10. A team has validated a package version in an Azure Artifacts feed and wants consumers who only accept tested builds to see it. What should be used?

A Copy the package into a second feed by hand

B Promote the package to the Release view

C Delete the prerelease versions

D Add the package as an upstream source

Answer: **B**

Feed views such as @Prerelease and @Release filter which versions are visible, and promoting marks a version as ready for that audience. Views are filters, not copies, and an upstream source pulls from other feeds rather than controlling visibility.