



GitHub

GitHub-Administration

GitHub Administration Certification

QUESTION & ANSWERS

QUESTION: 1

What is an effective initial response to a detected security breach in a GitHub repository?

Option A :

Immediately deleting the repository

Option B :

Disabling issue tracking

Option C :

Restricting access and reviewing changes

Option D :

Posting about the breach on social media

Correct Answer: C

Explanation/Reference:

An effective initial response includes restricting access to the repository and reviewing recent changes to understand the breach. Deleting the repository or posting on social media is not recommended as an initial response.

QUESTION: 2

What is a key benefit of automated security features in GitHub?

Option A :

Reducing the need for manual code reviews

Option B :

Automatically fixing vulnerabilities

Option C :

Enhancing collaboration among team members

Option D :

Identifying security vulnerabilities

Correct Answer: D

Explanation/Reference:

Automated security features in GitHub, like security alerts, primarily help in identifying security vulnerabilities in the repository's code.

QUESTION: 3

Which configuration is NOT available for self-hosted runners in GitHub Actions?

Option A :

Operating system selection

Option B :

Network configuration

Option C :

Hardware specification

Option D :

Automatic code review

Correct Answer: D

Explanation/Reference:

Automatic code review is not a configuration available for self-hosted runners. Self-hosted runners can be configured in terms of operating system, hardware, and network settings.

QUESTION: 4

In managing GitHub Packages, what is an important factor to consider for enterprise usage?

Option A :

The color scheme of package listings

Option B :

The programming language of the packages

Option C :

The social media integration for package promotion

Option D :

The compatibility with the enterprise's development environment

Correct Answer: D

Explanation/Reference:

The compatibility of GitHub Packages with the enterprise's development environment is important to ensure seamless integration and usage within the organization's workflow.

QUESTION: 5

What is a key feature of GitHub Enterprise Cloud compared to GitHub Enterprise Server?

Option A :

Centralized user account management

Option B :

Local storage of code

Option C :

Global availability and accessibility

Option D :

Offline access

Correct Answer: C

Explanation/Reference:

GitHub Enterprise Cloud offers global availability and accessibility, differentiating it from the on-premises approach of GitHub Enterprise Server.

QUESTION: 6

When setting up a CI workflow for GitHub Packages, what is an essential step?

Option A :

Defining package publishing steps

Option B :

Creating a backup of the repository

Option C :

Integrating with external project management tools

Option D :

Configuring automated user approvals

Correct Answer: A

Explanation/Reference:

Defining package publishing steps in the CI workflow is essential to ensure that packages are built, tested, and published correctly to GitHub Packages.

QUESTION: 7

What advantage does integrating GitHub Actions offer for enterprise automation strategies?

Option A :

Increased storage capacity for repositories

Option B :

Automatic user account creation

Option C :

Seamless integration with a wide range of tools and services

Option D :

Complete elimination of manual coding

Correct Answer: C

Explanation/Reference:

Integrating GitHub Actions offers the advantage of seamless integration with a wide range of tools and services, enhancing the automation capabilities of enterprise strategies.

QUESTION: 8

What are the benefits of enabling Team Synchronization in GitHub?

Option A :

Enhanced code review processes

Option B :

Increased repository cloning speed

Option C :

Reduced need for manual user account creation

Option D :

Automated team membership management

Option E :

Simplified project management

Option F :

Improved security through consistent access control

Correct Answer: C,D,F

Explanation/Reference:

Enabling Team Synchronization offers benefits such as automated team membership management, improved security through consistent access control, and reduced need for manual user account creation.

QUESTION: 9

What is a significant advantage of integrating GitHub Actions in enterprise automation strategies?

Option A :

Automating social media posts related to the project

Option B :

Eliminating the need for manual coding

Option C :

Facilitating seamless integration with various tools and services

Option D :

Reducing the storage requirements for repositories

Correct Answer: C

Explanation/Reference:

A significant advantage of integrating GitHub Actions is facilitating seamless integration with various tools and services, enhancing automation capabilities.

QUESTION: 10

Which GitHub feature is essential for managing package versions and dependencies?

Option A :

GitHub Packages

Option B :

GitHub Issues

Option C :

GitHub Gists

Option D :

GitHub Pages

Correct Answer: A

Explanation/Reference:

GitHub Packages is essential for managing package versions and dependencies, providing a platform to host, version, and share packages.

QUESTION: 11

In GitHub Administration, what does forking a repository enable?

Option A :

Automatic merging of pull requests

Option B :

Branch protection

Option C :

User authentication

Option D :

Creation of a personal copy of the repository for independent work

Correct Answer: D

Explanation/Reference:

Forking a repository in GitHub allows the creation of a personal copy for independent work. It is not related to authentication, branch protection, or automatic merging of pull requests.

QUESTION: 12

Which GitHub product is designed for project management and tracking?

Option A :

GitHub Copilot

Option B :

GitHub Actions

Option C :

GitHub Projects

Option D :

GitHub Pages

Correct Answer: C

Explanation/Reference:

GitHub Projects is designed for project management and tracking, offering tools for organizing and prioritizing work in a repository.

QUESTION: 13

How do encrypted secrets enhance security in GitHub Actions workflows?

Option A :

By encrypting all code in the repository

Option B :

By securing sensitive data used in workflows

Option C :

By making workflows visible to authorized users only

Option D :

By providing a backup for all workflows

Correct Answer: B

Explanation/Reference:

Encrypted secrets enhance security in workflows by securely storing and using sensitive data, such as access tokens or credentials, without exposing them in the workflow files.

QUESTION: 14

What are the benefits of using Enterprise Managed User (EMU) accounts in GitHub?

Option A :

Enhanced repository storage

Option B :

Automated code deployment

Option C :

Improved security protocols

Option D :

Easier team collaboration

Option E :

Centralized management of user accounts

Option F :

Streamlined access control

Correct Answer: C,E,F

Explanation/Reference:

Benefits of EMU accounts include centralized management of user accounts, streamlined access control, and improved security protocols, facilitating better organization and security.

QUESTION: 15

In securing a repository, what is the benefit of conducting an exercise to add a .gitignore file?

Option A :

Improving the speed of repository operations

Option B :

Reducing the number of merge conflicts

Option C :

Ensuring sensitive data is not accidentally committed

Option D :

Teaching team members about Git commands

Correct Answer: C

Explanation/Reference:

Conducting an exercise to add a .gitignore file ensures team members understand how to prevent sensitive data from being accidentally committed to the repository.

QUESTION: 16

Which GitHub feature allows for the tracking and management of package versions?

Option A :

GitHub Wikis

Option B :

GitHub Discussions

Option C :

GitHub Packages

Option D :

GitHub Issues

Correct Answer: C

Explanation/Reference:

GitHub Packages is the feature that allows for the tracking and management of package versions, providing a centralized package management system.

QUESTION: 17

What does GitHub Connect primarily enable for enterprises?

Option A :

Synchronization between Enterprise Server and Cloud

Option B :

Enhanced security protocols

Option C :

Real-time collaboration on code

Option D :

Integration with external CI/CD tools

Option E :

Unified policy and team management

Option F :

Automated backup of all repositories

Correct Answer: A,E

Explanation/Reference:

GitHub Connect primarily enables synchronization between Enterprise Server and Cloud and unified policy and team management, providing a cohesive experience across platforms.

QUESTION: 18

How does GitHub ensure data privacy in private repositories?

Option A :

Using two-factor authentication for access

Option B :

By encrypting all data

Option C :

Through regular data backups

Option D :

Limiting access based on user roles

Correct Answer: D

Explanation/Reference:

GitHub ensures data privacy in private repositories by limiting access based on user roles and permissions. Encryption, data backups, and two-factor authentication are broader security measures.

QUESTION: 19

How does enforcing strong password policies contribute to GitHub security?

Option A :

By speeding up the code review process

Option B :

By reducing the repository size

Option C :

By automating code deployments

Option D :

By minimizing the risk of unauthorized access

Correct Answer: D

Explanation/Reference:

Enforcing strong password policies minimizes the risk of unauthorized access, enhancing the overall security of the GitHub environment.

QUESTION: 20

What advantage does GitHub Actions provide for managing complex enterprise workflows?

Option A :

It streamlines workflow management and automation

Option B :

It automates social media integration for projects

Option C :

It eliminates the need for version control

Option D :

It serves as the primary user interface

Correct Answer: A

Explanation/Reference:

GitHub Actions provides the advantage of streamlining workflow management and automation, enabling complex workflows to be handled more efficiently and consistently.

QUESTION: 21

How do GitHub Enterprise Managed User accounts benefit an organization?

Option A :

They automate code merging

Option B :

They provide additional storage space

Option C :

They enable centralized management of user accounts

Option D :

They reduce the need for manual code review

Correct Answer: C

Explanation/Reference:

GitHub Enterprise Managed User accounts allow centralized management of user accounts, enhancing security and administrative efficiency.