



Partner Certification Academy



Professional Cloud Developer

Quiz questions*

Google Cloud APIs

** These are for practice only and are not actual exam questions*

Question: Which of the following is a tool that allows you to interact with Google Cloud APIs using a web-based interface without writing any code?

- A. Cloud Console
- B. Cloud Shell
- C. API Explorer
- D. Cloud SDK

Question: When should you consider using a REST API call directly instead of a Cloud Client Library to interact with a Google Cloud service?

- A. When you need to use the latest features of an API that might not yet be available in the client library.
- B. When you want to avoid any form of authentication.
- C. When you prefer to use a language that is not supported by the client library.
- D. Both A and C.

Question: When making API calls to Google Cloud services, which of the following is a recommended practice to handle potential errors?

- A. Ignoring errors to improve performance
- B. Exponential backoff
- C. Making continuous retries without delay
- D. Sending an email notification for every error

Question: What is the primary purpose of quotas in Google Cloud?

- A. To generate additional revenue for Google
- B. To ensure fairness and reduce spikes in usage across all users
- C. To increase the complexity of Google Cloud services
- D. To limit the number of services a user can access

Question: What happens when a Google Cloud API quota is exceeded?

- A. The system immediately grants additional quota
- B. The system immediately blocks access to the relevant Google resource, and the task fails
- C. The system sends an email to the Google Cloud support team
- D. The system waits for 24 hours before taking any action

Question: When you exceed a quota while making API calls to Google Drive, which HTTP status code response might you receive?

- A. 404: Not Found
- B. 403: User rate limit exceeded
- C. 500: Internal Server Error
- D. 200: OK

Question: When you exceed a quota while making API calls and receive a "User rate limit exceeded" error, what strategy should you employ to handle this error?

- A. Ignore the error and continue making requests.
- B. Use an exponential backoff algorithm and retry the request after a delay.
- C. Increase the quota limit immediately without any delay.
- D. Send an email to Google Cloud support and wait for their response.

Question: If you anticipate a significant increase in usage of a Google Cloud service, what proactive step can you take regarding quotas?

- A. Delete old data to free up space and resources.
- B. Wait until the quota is exceeded and then take action.
- C. Request quota adjustments from the Quotas page in the Google Cloud console.
- D. Migrate to another cloud provider to avoid quota restrictions.

Answers to Quiz questions

Google Cloud APIs

Question: Which of the following is a tool that allows you to interact with Google Cloud APIs using a web-based interface without writing any code?

- A. Cloud Console
- B. Cloud Shell
- C. API Explorer
- D. Cloud SDK

Correct Answer: C. API Explorer

Explanation: The API Explorer is a web-based tool that lets you interact with Google Cloud APIs directly from your browser without writing any code. It provides a user-friendly interface to explore and test API methods.

Reference: [API Explorer | Google Cloud](#)

Question: When should you consider using a REST API call directly instead of a Cloud Client Library to interact with a Google Cloud service?

- A. When you need to use the latest features of an API that might not yet be available in the client library.
- B. When you want to avoid any form of authentication.
- C. When you prefer to use a language that is not supported by the client library.
- D. Both A and C.

Correct Answer: D. Both A and C.

Explanation: You might consider using a REST API call directly when you need to access the latest features of an API that might not yet be available in the client library or when you're working with a programming language that isn't supported by the client library.

Reference: [Client libraries explained.](#)

Question: When making API calls to Google Cloud services, which of the following is a recommended practice to handle potential errors?

- A. Ignoring errors to improve performance
- B. Exponential backoff
- C. Making continuous retries without delay
- D. Sending an email notification for every error

Correct Answer: B. Exponential backoff

Explanation: Exponential backoff is a standard error-handling strategy for network applications in which the client increases the wait time between retries exponentially, up to a maximum number of retries. It's a recommended practice when making API calls to handle potential errors and avoid overwhelming the service.

Reference: [Retry failed requests](#)

Question: What is the primary purpose of quotas in Google Cloud?

- A. To generate additional revenue for Google
- B. To ensure fairness and reduce spikes in usage across all users
- C. To increase the complexity of Google Cloud services
- D. To limit the number of services a user can access

Correct Answer: B. To ensure fairness and reduce spikes in usage across all users

Explanation: Quotas restrict how much of a particular shared Google Cloud resource a project can use. They are designed to ensure fairness, reduce spikes in usage, and protect the overall performance of the system.

Reference: [Quotas and limits | Error Reporting | Google Cloud](#)

Question: What happens when a Google Cloud API quota is exceeded?

- A. The system immediately grants additional quota
- B. The system immediately blocks access to the relevant Google resource, and the task fails
- C. The system sends an email to the Google Cloud support team
- D. The system waits for 24 hours before taking any action

Correct Answer: B. The system immediately blocks access to the relevant Google resource, and the task fails

Explanation: When a quota is exceeded, in most cases, the system immediately blocks access to the relevant Google resource. As a result, the task that you're trying to perform fails.

Reference: [Quotas and limits | Error Reporting | Google Cloud](#)

Question: When you exceed a quota while making API calls to Google Drive, which HTTP status code response might you receive?

- A. 404: Not Found
- B. 403: User rate limit exceeded
- C. 500: Internal Server Error
- D. 200: OK

Correct Answer: B. 403: User rate limit exceeded

Explanation: If you exceed a quota while making API calls to Google Drive, you might receive a 403: User rate limit exceeded HTTP status code response. It indicates that the user has exceeded the allowed number of requests within a

specific time frame.

Reference: [Usage limits | Google Drive | Google for Developers](#)

Question: When you exceed a quota while making API calls and receive a "User rate limit exceeded" error, what strategy should you employ to handle this error?

- A. Ignore the error and continue making requests.
- B. Use an exponential backoff algorithm and retry the request after a delay.
- C. Increase the quota limit immediately without any delay.
- D. Send an email to Google Cloud support and wait for their response.

Correct Answer: B. Use an exponential backoff algorithm and retry the request after a delay.

Explanation: Exponential backoff is a standard error handling strategy for network applications. When a request fails due to rate limiting, it's recommended to wait for a period and then retry the request. The wait time increases exponentially with each subsequent retry until a maximum backoff time is reached.

Reference: [Usage limits | Google Drive | Google for Developers](#)

Question: If you anticipate a significant increase in usage of a Google Cloud service, what proactive step can you take regarding quotas?

- A. Delete old data to free up space and resources.
- B. Wait until the quota is exceeded and then take action.
- C. Request quota adjustments from the Quotas page in the Google Cloud console.
- D. Migrate to another cloud provider to avoid quota restrictions.

Correct Answer: C. Request quota adjustments from the Quotas page in the Google Cloud console.

Explanation: If you expect a notable upcoming increase in usage, you can proactively request quota adjustments from the Quotas page in the Google Cloud console. This helps in ensuring that your services run smoothly without hitting the quota limits.

Reference: [Usage limits | Google Drive | Google for Developers](#)