



Professional Cloud Developer

v2309

Quiz questions*

Google Cloud Console, Cloud Shell, SDK and Cloud Code Overview

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

Question: Which of the following IDEs does Cloud Code support?

- A. Eclipse
- B. Atom
- C. Sublime Text
- D. Visual Studio Code and JetBrains IDEs

Question: What is the Google Cloud SDK?

- A. Set of tools for managing resources and applications hosted on Google Cloud.

- B. A library for interacting with Google Cloud services.
- C. A command-line interface for Google Cloud services.
- D. All of the above.

Question: What is the Google Cloud Shell?

- A. A command-line interface for managing Google Cloud resources and applications.
- B. A web-based shell for executing cmds directly within Google Cloud Console
- C. A tool for deploying applications on Google Cloud.
- D. A and B

Question: What are the Google Cloud Client Libraries?

- A. Libraries that provide idiomatic code in each language to make Cloud APIs simple and intuitive to use.
- B. Libraries that handle all the low-level details of communication with the server, including authenticating with Google.
- C. Libraries that can be installed using familiar package management tools such as npm and pip.
- D. All of the above.

Question: What are the Google Cloud REST APIs?

- A. APIs that allow developers to interact with Google Cloud services using HTTP requests.
- B. APIs that are described using version 2.0 of the OpenAPI specification.
- C. APIs that can be used to generate client libraries in dozens of languages.
- D. All of the above.

Question: What are the benefits of using Google Cloud Client Libraries?

- A. They provide an optimized developer experience
- B. They reduce the boilerplate code you have to write
- C. They allow you to work with service metaphors in mind
- D. All of the above

Question: What interfaces do Google Cloud APIs provide?

- A. A simple JSON HTTP interface
- B. A gRPC interface
- C. Both A and B
- D. None of the above

Question: What are the benefits of using Google Cloud Client Libraries over Google API Libraries?

- A. They provide access to the API's REST interface only
- B. They provide idiomatic code in each language to make Cloud APIs simple and intuitive to use
- C. They have auto-generated interface code
- D. They can be installed using unfamiliar package management tools

Question: When would you use Google Cloud API Libraries instead of Google Cloud Client Libraries?

- A. When you want to use gRPC
- B. When you want to use a language that is not supported by Google Cloud Client Libraries
- C. When you want to use Firebase mobile platform
- D. When you want to use the latest client library model

Answers

Question: Which of the following IDEs does Cloud Code support?

- A. Eclipse
- B. Atom
- C. Sublime Text
- D. Visual Studio Code and JetBrains IDEs

Correct Answer: D. Visual Studio Code and JetBrains IDEs

Explanation: Cloud Code provides IDE support for the full development cycle of applications. It supports a number of IDEs, including Visual Studio Code and JetBrains IDEs.

Resource: [Cloud Code Overview](#)

Question: What is the Google Cloud SDK?

- A. A set of tools for managing resources and applications hosted on Google Cloud.
- B. A library for interacting with Google Cloud services.
- C. A command-line interface for Google Cloud services.
- D. All of the above.

Correct Answer: D. All of the above.

Explanation: The [Google Cloud SDK](#) is a set of tools that you can use to manage resources and applications hosted on Google Cloud. It includes the gcloud, gsutil, and bq command-line tools, which you can use to access Google Cloud services directly from the command line.

Question: What is the Google Cloud Shell?

- A. A command-line interface for managing Google Cloud resources and applications.
- B. A web-based shell for executing commands directly within the Google Cloud Console.
- C. A tool for deploying applications on Google Cloud.
- D. A and B

Correct Answer: D. A and B.

Explanation: The [Google Cloud Shell](#) is a browser-based command-line tool that provides you with command-line access to your cloud resources directly from your browser. You can use Cloud Shell to manage your projects and resources without having to install the Google Cloud SDK or other tools on your system.

Question: What are the Google Cloud Client Libraries?

- A. Libraries that provide idiomatic code in each language to make Cloud APIs simple and intuitive to use.
- B. Libraries that handle all the low-level details of communication with the server, including authenticating with Google.
- C. Libraries that can be installed using familiar package management tools such as npm and pip.
- D. All of the above.

Correct Answer: D. All of the above.

Explanation: The [Google Cloud Client Libraries](#) are a set of client libraries that provide idiomatic code in each language to make Cloud APIs simple and intuitive to use. They handle all the low-level details of communication with the server, including authenticating with Google, and can be installed using familiar package management tools such as npm and pip.

Question: What are the Google Cloud REST APIs?

- A. APIs that allow developers to interact with Google Cloud services using HTTP requests.
- B. APIs that are described using version 2.0 of the OpenAPI specification.
- C. APIs that can be used to generate client libraries in dozens of languages.
- D. All of the above.

Correct Answer: D. All of the above.

Explanation: The [Google Cloud REST APIs](#) are APIs that allow developers to interact with Google Cloud services using HTTP requests. They are described using version 2.0 of the OpenAPI specification, and can be used to generate client libraries in dozens of languages.

Question: What are the benefits of using Google Cloud Client Libraries?

- A. They provide an optimized developer experience
- B. They reduce the boilerplate code you have to write
- C. They allow you to work with service metaphors in mind
- D. All of the above

Correct Answer: D. All of the above

Explanation: Google Cloud Client Libraries provide an optimized developer experience by using each supported language's natural conventions and styles. They also reduce the boilerplate code you have to write because they're designed to enable you to work with service metaphors in mind, rather than implementation details or service API concepts.

Resource: [Cloud Client Libraries Explained](#)

Question: What interfaces do Google Cloud APIs provide?

- A. A simple JSON HTTP interface
- B. A gRPC interface
- C. Both A and B
- D. None of the above

Correct Answer: C. Both A and B

Explanation: All Google Cloud APIs provide a simple JSON HTTP interface that you can call directly or via Google API Client Libraries. Most Google Cloud APIs also provide a gRPC interface you can call via Google Cloud Client Libraries, which provide better performance and usability.

Resource: [Google Cloud APIs Overview](#)

Question: What are the benefits of using Google Cloud Client Libraries over Google API Libraries?

- A. They provide access to the API's REST interface only
- B. They provide idiomatic code in each language to make Cloud APIs simple and intuitive to use
- C. They have auto-generated interface code
- D. They can be installed using unfamiliar package management tools

Correct Answer: B. They provide idiomatic code in each language to make Cloud APIs simple and intuitive to use

Explanation: Google Cloud Client Libraries provide idiomatic code in each language to make Cloud APIs simple and intuitive to use. They also provide a consistent style across client libraries to simplify working with multiple Cloud services and handle all the low-level details of communication with the server, including authenticating with Google.

Resource: [Client Libraries Explained](#)

Question: When would you use Google Cloud API Libraries instead of Google Cloud Client Libraries?

- A. When you want to use gRPC
- B. When you want to use a language that is not supported by Google Cloud Client Libraries
- C. When you want to use Firebase mobile platform
- D. When you want to use the latest client library model

Correct Answer: B. When you want to use a language that is not supported by Google Cloud Client Libraries

Explanation: Google Cloud API Libraries, also known as Google API Client Libraries, are used when there is no Cloud Client Library for your preferred language or if you're upgrading a project that already uses them. These libraries provide access to the API's REST interface only and handle all the low-level details of communication with the server, including authenticating with Google.

Resource: [Client Libraries Explained](#)