

# Wir machen Professional-Cloud-Architect leichter zu bestehen!

## Das machen wir

Übrigens, Sie können die vollständige Version der It-Pruefung Professional-Cloud-Architect Prüfungsfragen aus dem Cloud-Speicher herunterladen: [https://drive.google.com/open?id=1z8biyMaFzNx0A3irxtjQ\\_lq8LfdDvNjQ](https://drive.google.com/open?id=1z8biyMaFzNx0A3irxtjQ_lq8LfdDvNjQ)

Das Expertenteam von It-Pruefung nutzt ihre Erfahrungen und Kenntnisse aus, um die Schulungsunterlagen zur Google Professional-Cloud-Architect Zertifizierungsprüfung zu bearbeiten. Unsere Schulungsunterlagen zur Google Professional-Cloud-Architect Zertifizierungsprüfung sind bei den Kunden sehr beliebt. Das sind die Ergebnisse der fleißigen Experten-Teams. Diese Simulationsfragen und Antworten sind von guter Qualität. Und die Ähnlichkeit beträgt über 95%. Sie sind eher zuverlässig. Wenn Sie die Trainingsinstrumente von It-Pruefung benutzen, können Sie 100% die Google Professional-Cloud-Architect (Google Certified Professional - Cloud Architect (GCP)) Zertifizierungsprüfung bestehen.

Die Zertifizierungsprüfung besteht aus Multiple-Choice-Fragen, die das Wissen und Verständnis des Kandidaten über GCP bewerten. Die Prüfung ist in verschiedene Abschnitte unterteilt, wobei jeder Abschnitt einen bestimmten Bereich von GCP abdeckt. Die Prüfung umfasst Themen wie GCP-Infrastruktur, Netzwerk, Sicherheit, Datenspeicherung, Datenverarbeitung und Anwendungsentwicklung. Um die Prüfung zu bestehen, muss der Kandidat mindestens 70% auf der Prüfung erreichen.

>> Professional-Cloud-Architect Prüfungsaufgaben <<

## Professional-Cloud-Architect Google Certified Professional - Cloud Architect (GCP) neueste Studie Torrent & Professional-Cloud-Architect tatsächliche prep Prüfung

It-Pruefung ist eine erstklassige Website für die Google Professional-Cloud-Architect Zertifizierungsprüfung. Im It-Pruefung können Sie Tipps und Prüfungsmaterialien finden. Sie können auch die Examensfragen-und antworten teilweise als Probe kostenlos herunterladen. It-Pruefung kann Ihnen umsonst die Updaets der Prüfungsmaterialien für die Google Professional-Cloud-Architect Prüfung bieten. Alle unseren Zertifizierungsprüfungen enthalten Antworten. Unser Eliteteam von IT-Fachleuten wird die neuesten und richtigen Examensübungen nach ihren fachlichen Erfahrungen bearbeiten, um Ihnen bei der Prüfung zu helfen. Alles in allem, wir werden Ihnen alle einschlägigen Materialien in Bezug auf die Google Professional-Cloud-Architect Zertifizierungsprüfung bieten.

Die Zertifizierung ist zwei Jahre gültig und kann durch das Bestehen der aktuellen Version der Professional-Cloud-Architect-Prüfung verlängert werden. Neben der Expertise in GCP demonstriert die Zertifizierung auch die Fähigkeit des Kandidaten, mit Cloud-Technologien und Lösungen im Allgemeinen zu arbeiten, was für IT-Profis, die in cloudbezogenen Bereichen arbeiten, ein wertvolles Asset darstellt.

Um ein Google Certified Professional - Cloud Architect zu werden, müssen Kandidaten eine rigorose Prüfung bestehen, die eine Vielzahl von Themen abdeckt, darunter Cloud-Architektur, Netzwerke, Sicherheit, Datenspeicherung und Analyse sowie GCP-Services und -Technologien wie Compute Engine, App Engine, Kubernetes und BigQuery. Die Prüfung besteht aus Multiple-Choice- und Multiple-Select-Fragen und dauert zwei Stunden.

## Google Certified Professional - Cloud Architect (GCP) Professional-Cloud-

## Architect Prüfungsfragen mit Lösungen (Q346-Q351):

### 346. Frage

Case Study: 1 - Mountkirk Games Case Study

Company Overview

Mountkirk Games makes online, session-based, multiplayer games for the most popular mobile platforms.

Company Background

Mountkirk Games builds all of their games with some server-side integration and has historically used cloud providers to lease physical servers. A few of their games were more popular than expected, and they had problems scaling their application servers, MySQL databases, and analytics tools.

Mountkirk's current model is to write game statistics to files and send them through an ETL tool that loads them into a centralized MySQL database for reporting.

Solution Concept

Mountkirk Games is building a new game, which they expect to be very popular. They plan to deploy the game's backend on Google Compute Engine so they can capture streaming metrics, run intensive analytics and take advantage of its autoscaling server environment and integrate with a managed NoSQL database.

Technical Requirements

Requirements for Game Backend Platform

1. Dynamically scale up or down based on game activity.
2. Connect to a managed NoSQL database service.
3. Run customized Linux distro.

Requirements for Game Analytics Platform

1. Dynamically scale up or down based on game activity.
2. Process incoming data on the fly directly from the game servers.
3. Process data that arrives late because of slow mobile networks.
4. Allow SQL queries to access at least 10 TB of historical data.
5. Process files that are regularly uploaded by users' mobile devices.
6. Use only fully managed services

CEO Statement

Our last successful game did not scale well with our previous cloud provider, resulting in lower user adoption and affecting the game's reputation. Our investors want more key performance indicators (KPIs) to evaluate the speed and stability of the game, as well as other metrics that provide deeper insight into usage patterns so we can adapt the game to target users.

CTO Statement

Our current technology stack cannot provide the scale we need, so we want to replace MySQL and move to an environment that provides autoscaling, low latency load balancing, and frees us up from managing physical servers.

CFO Statement

We are not capturing enough user demographic data usage metrics, and other KPIs. As a result, we do not engage the right users. We are not confident that our marketing is targeting the right users, and we are not selling enough premium Blast-Ups inside the games, which dramatically impacts our revenue.

For this question, refer to the Mountkirk Games case study. Mountkirk Games is building a new multiplayer game that they expect to be very popular. They want to be able to improve every aspect of the game and the infrastructure. To do this, they plan to create a system for telemetry analysis. They want to minimize effort, maximize flexibility, and ease of maintenance.

They also want to be able to perform real-time analyses. Which of the following services may help to fulfill these requirements?

- A. Pub/Sub, Dataflow and BigQuery
- B. Pub/Sub and Cloud Spanner
- C. Pub/Sub and Big Table
- D. Kubeflow

**Antwort: A**

### 347. Frage

You are designing a mobile chat application. You want to ensure that people cannot spoof chat messages by proving that a message was sent by a specific user. What should you do?

- A. Tag messages client-side with the originating user identifier and the destination user.
- B. Use a trusted certificate authority to enable SSL connectivity between the client application and the server.
- C. Use public key infrastructure (PKI) to encrypt the message client-side using the originating user's private key.
- D. Encrypt the message client-side using block-based encryption with a shared key.

**Antwort: C**

Begründung:

A is not correct because although this would encrypt the message, it does not validate either the client or the server.  
B is not correct because a malicious actor could spoof the user identifier and destination user information.  
C is not correct because SSL only requires the server to have a signed certificate and does not require validating the client.  
D is correct because PKI requires that both the server and the client have signed certificates, validating both the client and the server.

### 348. Frage

An application development team believes their current logging tool will not meet their needs for their new cloud-based product. They want a better tool to capture errors and help them analyze their historical log data. You want to help them find a solution that meets their needs, what should you do?

- **A. Help them define their requirements and assess viable logging tools.**
- B. Direct them to download and install the Google StackDriver logging agent.
- C. Help them upgrade their current tool to take advantage of any new features.
- D. Send them a list of online resources about logging best practices.

**Antwort: A**

Begründung:

Help them define their requirements and assess viable logging tools. They know the requirements and the existing tools' problems. While it's true StackDriver Logging and Error Reporting possibly meet all their requirements, there might be other tools also meet their need. They need you to provide expertise to make assessment for new tools, specifically, logging tools that can "capture errors and help them analyze their historical log data".

References: <https://cloud.google.com/logging/docs/agent/installation>

### 349. Frage

Your company wants you to build a highly reliable web application with a few public APIs as the backend. You don't expect a lot of user traffic, but traffic could spike occasionally. You want to leverage Cloud Load Balancing, and the solution must be cost-effective for users. What should you do?

- A. Store static content such as HTML and images in a Cloud Storage bucket. Use Cloud Functions to host the APIs and save the user data in Firestore.
- B. Store static content such as HTML and images in Cloud CDN. Host the APIs on App Engine and store the user data in Cloud SQL.
- **C. Store static content such as HTML and images in a Cloud Storage bucket. Host the APIs on a zonal Google Kubernetes Engine cluster with worker nodes in multiple zones, and save the user data in Cloud Spanner.**
- D. Store static content such as HTML and images in Cloud CDN. Use Cloud Run to host the APIs and save the user data in Cloud SQL.

**Antwort: C**

### 350. Frage

Case Study: 2 - TerramEarth Case Study

Company Overview

TerramEarth manufactures heavy equipment for the mining and agricultural industries: About 80% of their business is from mining and 20% from agriculture. They currently have over 500 dealers and service centers in 100 countries. Their mission is to build products that make their customers more productive.

Company Background

TerramEarth formed in 1946, when several small, family owned companies combined to retool after World War II. The company cares about their employees and customers and considers them to be extended members of their family.

TerramEarth is proud of their ability to innovate on their core products and find new markets as their customers' needs change. For the past 20 years trends in the industry have been largely toward increasing productivity by using larger vehicles with a human operator.

Solution Concept

There are 20 million TerramEarth vehicles in operation that collect 120 fields of data per second.

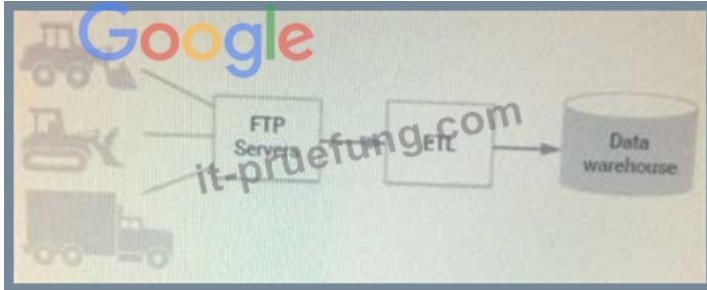
Data is stored locally on the vehicle and can be accessed for analysis when a vehicle is serviced.

The data is downloaded via a maintenance port. This same port can be used to adjust operational parameters, allowing the vehicles to be upgraded in the field with new computing modules.

Approximately 200,000 vehicles are connected to a cellular network, allowing TerramEarth to collect data directly. At a rate of 120 fields of data per second, with 22 hours of operation per day.

TerramEarth collects a total of about 9 TB/day from these connected vehicles.

Existing Technical Environment



TerramEarth's existing architecture is composed of Linux-based systems that reside in a data center. These systems gzip CSV files from the field and upload via FTP, transform and aggregate them, and place the data in their data warehouse. Because this process takes time, aggregated reports are based on data that is 3 weeks old.

With this data, TerramEarth has been able to preemptively stock replacement parts and reduce unplanned downtime of their vehicles by 60%. However, because the data is stale, some customers are without their vehicles for up to 4 weeks while they wait for replacement parts.

Business Requirements

- Decrease unplanned vehicle downtime to less than 1 week, without increasing the cost of carrying surplus inventory
- Support the dealer network with more data on how their customers use their equipment IP better position new products and services.
- Have the ability to partner with different companies-especially with seed and fertilizer suppliers in the fast-growing agricultural business-to create compelling joint offerings for their customers

CEO Statement

We have been successful in capitalizing on the trend toward larger vehicles to increase the productivity of our customers.

Technological change is occurring rapidly and TerramEarth has taken advantage of connected devices technology to provide our customers with better services, such as our intelligent farming equipment. With this technology, we have been able to increase farmers' yields by 25%, by using past trends to adjust how our vehicles operate. These advances have led to the rapid growth of our agricultural product line, which we expect will generate 50% of our revenues by 2020.

CTO Statement

Our competitive advantage has always been in the manufacturing process with our ability to build better vehicles for tower cost than our competitors. However, new products with different approaches are constantly being developed, and I'm concerned that we lack the skills to undergo the next wave of transformations in our industry. Unfortunately, our CEO doesn't take technology obsolescence seriously and he considers the many new companies in our industry to be niche players. My goals are to build our skills while addressing immediate market needs through incremental innovations.

For this question, refer to the TerramEarth case study. To speed up data retrieval, more vehicles will be upgraded to cellular connections and be able to transmit data to the ETL process. The current FTP process is error-prone and restarts the data transfer from the start of the file when connections fail, which happens often. You want to improve the reliability of the solution and minimize data transfer time on the cellular connections. What should you do?

- A. Directly transfer the files to different Google Cloud Multi-Regional Storage bucket locations in us, eu, and asia using Google APIs over HTTP(S). Run the ETL process using the data in the bucket.
- **B. Directly transfer the files to a different Google Cloud Regional Storage bucket location in us, eu, and asia using Google APIs over HTTP(S). Run the ETL process to retrieve the data from each Regional bucket.**
- C. Use multiple Google Container Engine clusters running FTP servers located in different regions. Save the data to Multi-Regional buckets in us, eu, and asia. Run the ETL process using the data in the bucket.
- D. Use one Google Container Engine cluster of FTP servers. Save the data to a Multi-Regional bucket. Run the ETL process using data in the bucket.

**Antwort: B**

### 351. Frage

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