Top Training Professional-Cloud-Security-Engineer Kit 100% Pass | Pass-Sure Pass4sure Professional-Cloud-Security-Engineer Pass Guide: Google Cloud Certified - Professional Cloud Security Engineer Exam

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One can start using product of CramPDF instantly after buying. The 24/7 support system is available for the customers so that they don't stick to any problems. If they do so, they can contact the support system, which will assist them in the right way and solve their issues. A lot of Google Cloud Certified - Professional Cloud Security Engineer Exam (Professional-Cloud-Security-Engineer) exam applicants have used the Google Cloud Certified - Professional Cloud Security Engineer Exam (Professional-Cloud-Security-Engineer) practice material. They are satisfied with it because it is updated.

The Google Professional-Cloud-Security-Engineer Exam covers various topics such as Google Cloud Platform security technologies, identity and access management, network security, data protection, compliance and legal considerations, and incident management. The questions in the exam are designed to test the candidate's understanding of the security principles and best practices for securing cloud environments. Professional-Cloud-Security-Engineer exam is a combination of multiple-choice, multiple-select, and scenario-based questions that require the candidate to demonstrate their ability to analyze complex security scenarios and provide effective solutions.

Training for Your Exam

You can prepare for the Google Professional Cloud Security Engineer exam using a ton of different ways. Firstly, you can opt for the official learning path. This track entails a series of intense hands-on lab lessons, in-person classes, and online training among other resources provided by the vendor itself.

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As you know, today's society is changing very fast. We also need new knowledge to fill in as we learn. And our Professional-Cloud-Security-Engineer learning prep can suit you most in this need for you will get the according certification as well as the latest information. Professional-Cloud-Security-Engineer Exam simulation is selected by many experts and constantly supplements and adjust our questions and answers. When you use our Professional-Cloud-Security-Engineer study materials, you can find the information you need at any time.

Google Professional-Cloud-Security-Engineer Certification Exam is designed for professionals who want to demonstrate their expertise in securing and managing applications, data, and infrastructure on the Google Cloud Platform. Google Cloud Certified - Professional Cloud Security Engineer Exam certification is intended for individuals with experience in cloud security, compliance, and governance, and is a valuable credential for those looking to advance their career in cloud security.

Google Cloud Certified - Professional Cloud Security Engineer Exam Sample Questions (Q86-Q91):

NEW QUESTION # 86
Your organization is building a real-time recommendation engine using ML models that process live user activity data stored in BigQuery and Cloud Storage. Each new model developed is saved to Artifact Registry. This new system deploys models to Google Kubernetes Engine and uses Pub/Sub for message queues. Recent industry news has been reporting attacks exploiting ML model supply chains. You need to enhance the security in this serverless architecture, specifically against risks to the development and deployment pipeline. What should you do?

- A. Develop strict firewall rules to limit external traffic to Cloud Run instances. Integrate intrusion detection systems (IDS) for real-time anomaly detection on Pub/Sub message flows.
- B. Enable container image vulnerability scanning during development and pre-deployment. Enforce Binary Authorization on images deployed from Artifact Registry to your continuous integration and continuous deployment (CI/CD) pipeline.
- C. Limit external libraries and dependencies that are used for the ML models as much as possible. Continuously rotate encryption keys that are used to access the user data from BigQuery and Cloud Storage.
- D. Thoroughly sanitize all training data prior to model development to reduce risk of poisoning attacks. Use IAM for authorization, and apply role-based restrictions to code repositories and cloud services.

Answer: B

Explanation:
To enhance the security of your machine learning (ML) model supply chain within a serverless architecture, it's crucial to implement measures that protect both the development and deployment pipelines.
Option A: While limiting external dependencies and rotating encryption keys are good security practices, they do not directly address the risks associated with the ML model supply chain.
Option B: Implementing container image vulnerability scanning during development and pre-deployment helps identify and mitigate known vulnerabilities in your container images. Enforcing Binary Authorization ensures that only trusted and verified images are deployed in your environment. This combination directly strengthens the security of the ML model supply chain by validating the integrity of container images before deployment.
Option C: Sanitizing training data and applying role-based access controls are important security practices but do not specifically safeguard the deployment pipeline against compromised container images.
Option D: While strict firewall rules and intrusion detection systems enhance network security, they do not specifically address vulnerabilities within the container images or the deployment process.
Therefore, Option B is the most effective approach, as it directly addresses the security of the development and deployment pipeline by ensuring that only vetted and secure container images are used in your environment.
Reference:
Container Scanning Overview
Binary Authorization Overview

NEW QUESTION # 87
A company is running workloads in a dedicated server room. They must only be accessed from within the private company network. You need to connect to these workloads from Compute Engine instances within a Google Cloud Platform project.
Which two approaches can you take to meet the requirements? (Choose two.)

- A. Configure the project with Cloud VPN.
- B. Configure the project with Shared VPC.
- C. Configure all Compute Engine instances with Private Access.
- D. Configure the project with VPC peering.
- E. Configure the project with Cloud Interconnect.

Answer: A,E

Explanation:
To connect Compute Engine instances within a Google Cloud Platform project to workloads running in a dedicated server room that

can only be accessed from within the private company network, you can use the following approaches:
* Cloud VPN: Cloud VPN securely connects your on-premises network to your Google Cloud Virtual Private Cloud (VPC) network through an IPsec VPN connection. This enables secure communication between your GCP instances and your on-premises workloads over the internet.
* Cloud Interconnect: Cloud Interconnect provides direct physical connections between your on- premises network and Google's network. It offers higher bandwidth and lower latency compared to Cloud VPN, making it suitable for workloads that require fast and reliable connectivity.
Both Cloud VPN and Cloud Interconnect allow you to securely connect your on-premises environments to Google Cloud, ensuring that the workloads remain within the private company network.
References
* Cloud VPN Overview
* Cloud Interconnect Overview

NEW QUESTION # 88
A DevOps team will create a new container to run on Google Kubernetes Engine. As the application will be internet-facing, they want to minimize the attack surface of the container.
What should they do?

- A. Build small containers using small base images.
- B. Use a Continuous Delivery tool to deploy the application.
- C. Use Cloud Build to build the container images.
- D. Delete non-used versions from Container Registry.

Answer: A

Explanation:
To minimize the attack surface of the container for an internet-facing application running on Google Kubernetes Engine (GKE), the best practice is to build small containers using small base images. This approach helps in the following ways:
Reduce Vulnerabilities: Smaller base images contain fewer packages and dependencies, which minimizes the potential vulnerabilities that an attacker could exploit.
Improved Security: Using minimal base images such as distroless or Alpine Linux ensures that only the necessary components are included, reducing the attack surface significantly.
Easier Maintenance: Small containers are easier to maintain and update, ensuring that security patches can be applied quickly without dealing with unnecessary components.
Steps to Implement:
Choose a Minimal Base Image:
Use base images like gcr.io/distroless/base or alpine.
FROM gcr.io/distroless/base COPY myapp /myapp CMD ["/myapp"]
Optimize Container Image:
Remove unnecessary tools and libraries.
Use multi-stage builds to keep the final image small.
Regularly Update Base Images:
Keep the base images up-to-date with the latest security patches.
Reference:
Distroless Images
Best Practices for Building Containers

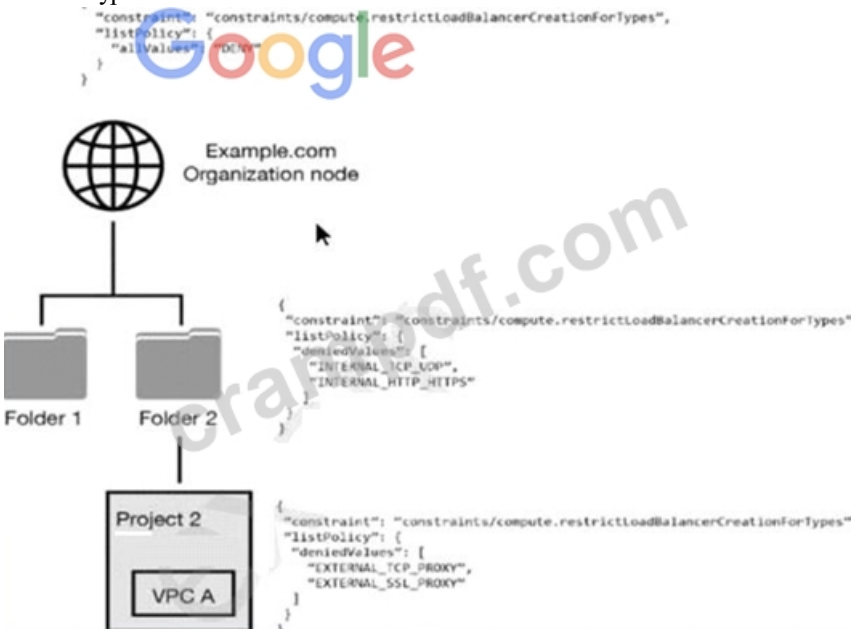
NEW QUESTION # 89
You need to set up a Cloud interconnect connection between your company's on-premises data center and VPC host network. You want to make sure that on-premises applications can only access Google APIs over the Cloud Interconnect and not through the public internet. You are required to only use APIs that are supported by VPC Service Controls to mitigate against exfiltration risk to non-supported APIs. How should you configure the network?

- A. Use private.googleapis.com to access Google APIs using a set of IP addresses only routable from within Google Cloud, which are advertised as routes over the connection.
- B. Enable Private Google Access on the regional subnets and global dynamic routing mode.
- C. Set up a Private Service Connect endpoint IP address with the API bundle of "all-apis", which is advertised as a route over the Cloud interconnect connection.

- D. Use restricted googleapis.com to access Google APIs using a set of IP addresses only routable from within Google Cloud, which are advertised as routes over the Cloud Interconnect connection.

Answer: C

NEW QUESTION # 90
You have the following resource hierarchy. There is an organization policy at each node in the hierarchy as shown. Which load balancer types are denied in VPC A?



- A. EXTERNAL_TCP_PROXY, EXTERNAL_SSL_PROXY, INTERNAL_TCP_UDP, and INTERNAL_HTTP_HTTPS are denied in accordance with the folder and project's policies.
- B. INTERNAL_TCP_UDP, INTERNAL_HTTP_HTTPS is denied in accordance with the folder's policy.
- C. All load balancer types are denied in accordance with the global node's policy.
- D. EXTERNAL_TCP_PROXY, EXTERNAL_SSL_PROXY are denied in accordance with the project's policy.

Answer: A

NEW QUESTION # 91
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