

Google Professional-Cloud-Security-Engineer New Study Guide | Latest Professional-Cloud-Security-Engineer Test Questions



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Career Prospects

The specialists with the Google Professional Cloud Security Engineer certificate can take up various positions and achieve success in the industry. Thus, they can go for the following options: a Cloud Security Engineer, a Security Engineer, a Virtual Infrastructure Administrator, a Cloud Support Engineer, and a Cloud Security Operations Engineer. The salary outlook for these job roles is an average of \$102,000 per annum.

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Google Professional-Cloud-Security-Engineer Certification Exam is designed for individuals who are interested in showcasing their expertise in managing and securing applications on the Google Cloud Platform. Google Cloud Certified - Professional Cloud Security Engineer Exam certification is ideal for professionals who are responsible for implementing security controls and maintaining compliance for cloud-based solutions. With this certification, individuals can demonstrate their skills in designing and implementing secure infrastructure, configuring security policies, and managing compliance controls on the Google Cloud Platform.

Google Professional-Cloud-Security-Engineer Certification is a highly sought-after credential for IT professionals who wish to specialize in cloud security engineering. Google Cloud Certified - Professional Cloud Security Engineer Exam certification is designed for individuals who have experience in security and compliance, and are interested in learning how to apply these skills to

the Google Cloud Platform. Google Cloud Certified - Professional Cloud Security Engineer Exam certification exam tests candidates on their ability to design and implement secure cloud solutions, as well as their knowledge of cloud security best practices.

Google Cloud Certified - Professional Cloud Security Engineer Exam Sample Questions (Q294-Q299):

NEW QUESTION # 294

After completing a security vulnerability assessment, you learned that cloud administrators leave Google Cloud CLI sessions open for days. You need to reduce the risk of attackers who might exploit these open sessions by setting these sessions to the minimum duration.

What should you do?

- A. Set the session duration for the Google session control to one hour.
- B. Set the organization policy constraint `constraints/iam.serviceAccountKeyExpiryHours` to one hour and `inheritFromParent` to false.
- C. Set the organization policy constraint `constraints/iam.allowServiceAccountCredentialLifetimeExtension` to one hour.
- **D. Set the reauthentication frequency (or the Google Cloud Session Control) to one hour.**

Answer: D

NEW QUESTION # 295

You are on your company's development team. You noticed that your web application hosted in staging on GKE dynamically includes user data in web pages without first properly validating the inputted data. This could allow an attacker to execute gibberish commands and display arbitrary content in a victim user's browser in a production environment.

How should you prevent and fix this vulnerability?

- A. Use Web Security Scanner to validate the usage of an outdated library in the code, and then use a secured version of the included library.
- B. Set up an HTTPS load balancer, and then use Cloud Armor for the production environment to prevent the potential XSS attack.
- **C. Use Web Security Scanner in staging to simulate an XSS injection attack, and then use a templating system that supports contextual auto-escaping.**
- D. Use Cloud IAP based on IP address or end-user device attributes to prevent and fix the vulnerability.

Answer: C

Explanation:

There is mention about simulating in Web Security Scanner. "Web Security Scanner cross-site scripting (XSS) injection testing *simulates* an injection attack by inserting a benign test string into user-editable fields and then performing various user actions."

[https://cloud.google.com/security-command-center/docs](https://cloud.google.com/security-command-center/docs/how-to-remediate-web-security-scanner-findings#xss)

[/how-to-remediate-web-security-scanner-findings#xss](https://cloud.google.com/security-command-center/docs/how-to-remediate-web-security-scanner-findings#xss)

Reference: <https://cloud.google.com/security-scanner/docs/remediate-findings>

NEW QUESTION # 296

A customer wants to move their sensitive workloads to a Compute Engine-based cluster using Managed Instance Groups (MIGs). The jobs are bursty and must be completed quickly. They have a requirement to be able to control the key lifecycle.

Which boot disk encryption solution should you use on the cluster to meet this customer's requirements?

- **A. Customer-managed encryption keys (CMEK) using Cloud Key Management Service (KMS)**
- B. Pre-encrypting files before transferring to Google Cloud Platform (GCP) for analysis
- C. Customer-supplied encryption keys (CSEK)
- D. Encryption by default

Answer: A

Explanation:

Explanation/Reference:

Reference <https://cloud.google.com/kubernetes-engine/docs/how-to/dynamic-provisioning-cmek>

NEW QUESTION # 297

You have been tasked with inspecting IP packet data for invalid or malicious content. What should you do?

- A. Configure the Fluentd agent on each VM Instance within the VPC. Perform inspection on the log data using Cloud Logging.
- **B. Use Packet Mirroring to mirror traffic to and from particular VM instances. Perform inspection using security software that analyzes the mirrored traffic.**
- C. Configure Google Cloud Armor access logs to perform inspection on the log data.
- D. Enable VPC Flow Logs for all subnets in the VPC. Perform inspection on the Flow Logs data using Cloud Logging.

Answer: B

Explanation:

Packet Mirroring Setup: Configure Packet Mirroring in your Google Cloud VPC to capture traffic to and from specific VM instances. This allows you to analyze the traffic for security and compliance purposes.

Security Software: Use specialized security software to inspect the mirrored traffic. This software can detect invalid or malicious content in the IP packets.

Mirroring Configuration: Specify the instances, network, and traffic direction (ingress, egress, or both) to be mirrored. Ensure that the mirrored traffic is directed to an appropriate analysis destination.

Traffic Analysis: Continuously monitor and analyze the mirrored traffic for any signs of malicious activity or anomalies. Use the findings to enhance your security posture and respond to potential threats. Reference::

Google Cloud - Packet Mirroring

Google Cloud - Packet Mirroring Best Practices

NEW QUESTION # 298

A customer's company has multiple business units. Each business unit operates independently, and each has their own engineering group. Your team wants visibility into all projects created within the company and wants to organize their Google Cloud Platform (GCP) projects based on different business units. Each business unit also requires separate sets of IAM permissions.

Which strategy should you use to meet these needs?

- A. Assign GCP resources in a project, with a label identifying which business unit owns the resource.
- **B. Create an organization node, and assign folders for each business unit.**
- C. Establish standalone projects for each business unit, using gmail.com accounts.
- D. Assign GCP resources in a VPC for each business unit to separate network access.

Answer: B

Explanation:

Explanation

Refer to: <https://cloud.google.com/resource-manager/docs/listing-all-resources> Also: <https://wideops.com/mapping-your-organization-with-the-google-cloud-platform-resource-hierarchy/>

NEW QUESTION # 299

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