# Security-Operations-Engineer Exam Forum - Latest Security-Operations-Engineer Test Pdf

IAEA
International Atomic Energy Agency

IT Security Operations Engineer (P2) - (2021/0544 (222367))

**Organization:** MTIT-Security Systems Unit
**Primary Location:** Austria-Vienna-Vienna-IAEA Headquarters
**Job Posting:** 2021-11-10, 11:38:24 AM
**Closing Date:** 2021-12-08, 11:59:00 PM
**Duration in Months:** 36
**Contract Type:** Fixed Term - Regular
**Probation Period:** 1 Year

Organizational Setting

The Division of Information Technology provides support to the IAEA in the field of information and communication technology (ICT), including information systems for technical programmes and management. It is responsible for planning, developing and implementing an ICT strategy, for setting and enforcing common ICT standards throughout the Secretariat and for managing central ICT services. The IAEA's ICT infrastructure comprises hardware and software platforms, and cloud and externally-hosted services. The Division has implemented an IT service management model based on ITIL (IT Infrastructure Library) and Prince2 (Projects in a Controlled Environment) best practices. The Infrastructure Services Section (ISS) is responsible for implementing, maintaining, and administering the ICT systems and services for high availability; designing, implementing, and operating IT security services; and managing the data centre. The platforms include Microsoft Windows servers, Linux servers, Oracle EBS infrastructure, data storage, and transmission networks, serving more than 2500 staff, as well as over 10000 external users around the world. The Section includes three Units: Network and Telecommunications, Enterprise Systems, and Security Systems.

Main Purpose

The purpose of the post is to help the IAEA information and communication technology services define and create repeatable and consistent processes to strengthen IAEA information security posture. Under the supervision of the Security Systems Unit (SSU) Head, the IT Security Operations Engineer acts as the primary IT security events handler and reporter of cyber threats. He/she operates processes related to security operations, such as incident monitoring & response, threats & vulnerabilities management, security research, as well as threat prevention/detection tools administration. He/she will collect and interpret information and events generated by internal security monitoring tools, and external threat intelligence providers. Furthermore he/she will be working with peers and senior security engineers to address information security research, and development and delivery of a comprehensive cyber security program for the IAEA.

Role

The IT Security Operations Engineer is (a) **a technical analyst** supporting the design and formulation of security measures, procedures and standards on all aspects of cyber threats detection, prevention, and response; (b) **a solution provider**, coordinating service delivery; (c) **a team member** actively involved in planning, implementing, testing and administration of IT security systems; and (d) **a security incident handler**.

Functions / Key Results Expected

- Assists in operating several security operations processes and activities related to IT security events: IT security vulnerabilities; threat intelligence; risk assessment; incident management; and the configuration and management of security controls and countermeasures.
- Monitors, recommends and, in consultation with management, implements process improvements for security operations. Provides reports regarding related aspects of IT security operations. Assists in refining alerting and improving threat information escalates the most critical events and impact anomalies Operates and improves all aspects of security event management, threat management, including automation.
- Operates installation, configuration, and management of security operations tools and systems; the expansion and refinement of collection sources and by creating security operations reports automatically and distributing them to the appropriate audience.
- Performs intial assessment and review of security events and vulnerabilities and generates detailed reports; escalates issues as appropriate.

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## Latest Security-Operations-Engineer Test Pdf - Security-Operations-Engineer Valid Study Notes

The software keeps track of the previous Google Cloud Certified - Professional Security Operations Engineer (PSOE) Exam (Security-Operations-Engineer) practice exam attempts and shows the changes of each attempt. You don't need to wait days or

weeks to get your performance report. The software displays the result of the Google Cloud Certified - Professional Security Operations Engineer (PSOE) Exam (Security-Operations-Engineer) practice test immediately, which is an excellent way to understand which area needs more attention.

## Google Security-Operations-Engineer Exam Syllabus Topics:

| Topic | Details |
|---|---|
| Topic 1 | • Platform Operations: This section of the exam measures the skills of Cloud Security Engineers and covers the configuration and management of security platforms in enterprise environments. It focuses on integrating and optimizing tools such as Security Command Center (SCC), Google SecOps, GTI, and Cloud IDS to improve detection and response capabilities. Candidates are assessed on their ability to configure authentication, authorization, and API access, manage audit logs, and provision identities using Workforce Identity Federation to enhance access control and visibility across cloud systems. |
| Topic 2 | • Threat Hunting: This section of the exam measures the skills of Cyber Threat Hunters and emphasizes proactive identification of threats across cloud and hybrid environments. It tests the ability to create and execute advanced queries, analyze user and network behaviors, and develop hypotheses based on incident data and threat intelligence. Candidates are expected to leverage Google Cloud tools like BigQuery, Logs Explorer, and Google SecOps to discover indicators of compromise (IOCs) and collaborate with incident response teams to uncover hidden or ongoing attacks. |
| Topic 3 | • Incident Response: This section of the exam measures the skills of Incident Response Managers and assesses expertise in containing, investigating, and resolving security incidents. It includes evidence collection, forensic analysis, collaboration across engineering teams, and isolation of affected systems. Candidates are evaluated on their ability to design and execute automated playbooks, prioritize response steps, integrate orchestration tools, and manage case lifecycles efficiently to streamline escalation and resolution processes. |

## Google Cloud Certified - Professional Security Operations Engineer (PSOE) Exam Sample Questions (Q75-Q80):

**NEW QUESTION # 75**
You are configuring a new integration in Google Security Operations (SecOps) to perform enrichment actions in playbooks. This enrichment technology is located in a private data center that does not allow inbound network connections. You need to connect your Google SecOps instance to the integration. What should you do?

- A. Create a forwarder in the private data center. Configure an instance of the integration to run on the forwarder.
- B. Create a network route in Google Cloud to the private data center.
- C. Query the enrichment source in the private data center and upload the results to the case wall in Google SecOps.
- D. Create a remote agent in the private data center. Configure an instance of the integration to run on a remote agent in Google SecOps.

**Answer: D**

Explanation:
The correct approach is to create a remote agent in the private data center and configure the integration to run on that agent. Remote agents can initiate outbound connections to Google SecOps, enabling playbook enrichment without requiring inbound network access, which adheres to the private data center's network restrictions.

**NEW QUESTION # 76**
You are responsible for evaluating the level of effort required to integrate a new third-party endpoint detection tool with Google Security Operations (SecOps). Your organization's leadership wants to minimize customization for the new tool for faster deployment. You need to verify that the Google SecOps SOAR and SIEM support the expected workflows for the new third-party tool.
You must recommend a tool to your leadership team as quickly as possible. What should you do?
(Choose two.)

- A. Review the architecture of the tool to identify the cloud provider that hosts the tool.
- B. Develop a custom integration that uses Python scripts and Cloud Run functions to forward logs and orchestrate actions between the third-party tool and Google SecOps.
- C. Identify the tool in the Google SecOps Marketplace and verify support for the necessary actions in the workflow.
- D. Review the documentation to identify if default parsers exist for the tool, and determine whether the logs are supported and able to be ingested.
- E. Configure a Pub/Sub topic to ingest raw logs from the third-party tool and build custom YARA-L rules in Google SecOps to extract relevant security events.

**Answer: C,D**

Explanation:
Reviewing documentation to confirm whether default parsers exist for the tool ensures logs can be ingested into Google SecOps without heavy customization.
Checking the Google SecOps Marketplace verifies whether the tool has native SOAR/SIEM integration and supported actions, which directly impacts how quickly and easily workflows can be implemented.

**NEW QUESTION # 77**
Your organization's Google Security Operations (SecOps) tenant is ingesting a vendor's firewall logs in its default JSON format using the Google-provided parser for that log. The vendor recently released a patch that introduces a new field and renames an existing field in the logs. The parser does not recognize these two fields and they remain available only in the raw logs, while the rest of the log is parsed normally. You need to resolve this logging issue as soon as possible while minimizing the overall change management impact. What should you do?

- A. Deploy a third-party data pipeline management tool to ingest the logs, and transform the updated fields into fields supported by the default parser.
- B. Use the Extract Additional Fields tool in Google SecOps to convert the raw log entries to additional fields.
- C. Write a code snippet, and deploy it in a parser extension to map both fields to UDM.
- D. Use the web interface-based custom parser feature in Google SecOps to copy the parser, and modify it to map both fields to UDM.

**Answer: C**

Explanation:
The correct, low-impact solution for augmenting a Google-managed parser is to use a parser extension. The problem states that the base parser is still working, but needs to be supplemented to map two new fields.
Copying the entire parser (Option A) is a high-impact, high-maintenance solution ("Customer Specific Parser"). This action makes the organization responsible for all future updates and breaks the link to Google's managed updates, which is not a minimal-impact solution.
The intended, modern solution is the parser extension. This feature allows an engineer to write a small, targeted snippet of Code-Based Normalization (CBN) code that executes after the Google-managed base parser. This extension code can access the raw_log and perform the specific logic needed to extract the two unmapped fields and assign them to their proper Universal Data Model (UDM) fields.
This approach is the fastest to deploy and minimizes change management impact because the core parser remains managed and updated by Google, while the extension simply adds the custom logic on top. Option B,
"Extract Additional Fields," is a UI-driven feature, but the underlying mechanism that saves and deploys this logic is the parser extension. Option D is the more precise description of the technical solution.
(Reference: Google Cloud documentation, "Manage parsers"; "Parser extensions"; "Code-Based Normalization (CBN) syntax")

**NEW QUESTION # 78**
You are a security analyst at an organization that uses Google Security Operations (SecOps).
You have identified a new IP address that is known to be used by a malicious threat actor to launch network attacks. You need to search for this IP address in Google SecOps using all normalized logs to determine whether any malicious activity has occurred. You want to use the most effective approach. What should you do?

- A. On the Alerts & IOCs page, review results and entries where the IP address appears.
- B. Write UDM searches using YARA-L 2.0 syntax to find events where the IP address appears.
- C. Run raw log searches using the IP address as a search term.
- D. Write a YARA-L 2.0 detection rule that searches for events with the IP address.

**Answer: B**

Explanation:
The most effective way to search across all normalized logs in Google SecOps is to use UDM searches with YARA-L 2.0 syntax. This ensures that the IP address is matched across all normalized log sources in a consistent format.

**NEW QUESTION # 79**
You are a platform engineer at an organization that is migrating from a third-party SIEM product to Google Security Operations (SecOps). You previously manually exported context data from Active Directory (AD) and imported the data into your previous SIEM as a watchlist when there were changes in AD's user/asset context data. You want to improve this process using Google SecOps. What should you do?

- A. Create a reference list that contains the AD context data. Use the reference list in your YARA-L rule to find user/asset information for each security event.
- B. Create a data table that contains AD context data. Use the data table in your YARA-L rule to find user/asset data that can be correlated within each security event.
- C. Ingest AD organizational context data as user/asset context to enrich user/asset information in your security events.
- D. Configure a Google SecOps SOAR integration for AD to enrich user/asset information in your security alerts.

**Answer: C**

Explanation:
The best approach is to ingest AD organizational context data directly into Google SecOps as user/asset context. This ensures that AD user and asset information is automatically enriched in security events without manual exports or watchlists. It improves correlation, investigation efficiency, and automation compared to maintaining separate reference lists or data tables.

**NEW QUESTION # 80**
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