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Unser ExamFragen ist eine Website, die eine lange Geschichte hinter sich hat. So genießt ExamFragen einen guten Ruf in der IT-Branche. Und wir haben vielen Kandidaten geholfen, die Splunk SPLK-5002 Prüfung zu bestehen. Die Fragen und Antworten zur Splunk SPLK-5002 Zertifizierungsprüfung von ExamFragen werden von den erfahrungsreichen Expertenteams nach ihren Kenntnissen und Erfahrungen bearbeitet. Wenn Sie an der Splunk SPLK-5002 Zertifizierungsprüfung teilnehmen wollen, ist ExamFragen zweifellos eine gute Wahl.

Splunk SPLK-5002 Prüfungsplan:

Thema	Einzelheiten
Thema 1	• Building Effective Security Processes and Programs: This section targets Security Program Managers and Compliance Officers, focusing on operationalizing security workflows. It involves researching and integrating threat intelligence, applying risk and detection prioritization methodologies, and developing documentation or standard operating procedures (SOPs) to maintain robust security practices.
Thema 2	• Detection Engineering: This section evaluates the expertise of Threat Hunters and SOC Engineers in developing and refining security detections. Topics include creating and tuning correlation searches, integrating contextual data into detections, applying risk-based modifiers, generating actionable Notable Events, and managing the lifecycle of detection rules to adapt to evolving threats.
Thema 3	• Auditing and Reporting on Security Programs: This section tests Auditors and Security Architects on validating and communicating program effectiveness. It includes designing security metrics, generating compliance reports, and building dashboards to visualize program performance and vulnerabilities for stakeholders.
Thema 4	• Data Engineering: This section of the exam measures the skills of Security Analysts and Cybersecurity Engineers and covers foundational data management tasks. It includes performing data review and analysis, creating and maintaining efficient data indexing, and applying Splunk methods for data normalization to ensure structured and usable datasets for security operations.

Thema 5	• Automation and Efficiency: This section assesses Automation Engineers and SOAR Specialists in streamlining security operations. It covers developing automation for SOPs, optimizing case management workflows, utilizing REST APIs, designing SOAR playbooks for response automation, and evaluating integrations between Splunk Enterprise Security and SOAR tools.

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Splunk Certified Cybersecurity Defense Engineer SPLK-5002 Prüfungsfragen mit Lösungen (Q65-Q70):

65. Frage
During a high-priority incident, a user queries an index but sees incomplete results.
Whatis the most likely issue?

- A. Data normalization was not applied.
- B. Buckets in the warm state are inaccessible.
- C. Indexers have reached their queue capacity.
- D. The search head configuration is outdated.

Antwort: C

Begründung:
If a user queries an index during a high-priority incident but sees incomplete results, it is likely that the indexers are overloaded, causing queue bottlenecks.
Why Indexer Queue Capacity Issues Cause Incomplete Results:
When indexing queues fill up, incoming data cannot be processed efficiently.
Search results may be incomplete or delayed if events are still in the indexing queue and not fully written to disk.
Heavy search loads during incidents can also increase pressure on indexers.
How to Fix It:
Monitor indexing queues via the Monitoring Console (indexing>indexing performance).
Checkmetrics.logon indexers formax_queue_size_exceededwarnings.
Increase indexer capacity or optimize search scheduling to reduce load.

66. Frage
A Splunk administrator is tasked with creating a weekly security report for executives.
Whatelements should they focus on?

- A. High-level summaries and actionable insights
- B. Excluding compliance metrics to simplify reports
- C. Avoiding visuals to focus on raw data
- D. Detailed logs of every notable event

Antwort: A

Begründung:
Why Focus on High-Level Summaries & Actionable Insights?
Executive security reports should provideconcise, strategic insightsthat help leadership teams makeinformed decisions.
#Key Elements for an Executive-Level Report:#Summarized Security Incidents- Focus onmajor threats and trends.#Actionable

Recommendations- Includemitigation stepsfor ongoing risks.#Visual Dashboards- Use charts and graphs foreasy interpretation.#Compliance & Risk Metrics- Highlightcompliance status(e.g., PCI- DSS, NIST).
#Example in Splunk:#Scenario:A CISO requests aweekly security report.#Best Report Format:
Threat Summary:"Detected 15 phishing attacks this week."
Key Risks:"Increase in brute-force login attempts."
Recommended Actions:"Enhance MFA enforcement & user awareness training." Why Not the Other Options?
#B. Detailed logs of every notable event- Too technical; executives needsummaries, not raw logs.#C. Excluding compliance metrics to simplify reports- Compliance is critical forrisk assessment.#D. Avoiding visuals to focus on raw data-Visuals improve clarity; raw data is too complex for executives.
References & Learning Resources
#Splunk Security Reporting Best Practices: https://www.splunk.com/en_us/blog/security#Creating Effective Executive Dashboards in Splunk: https://splunkbase.splunk.com#Cybersecurity Metrics & Reporting for Leadership Teams:https://www.nist.gov/cyberframework

67. Frage
What are key elements of a well-constructed notable event?(Choosethree)

- A. Meaningful descriptions
- B. Proper categorization
- C. Relevant field extractions
- D. Minimal use of contextual data

Antwort: A,B,C

Begründung:
A notable event in Splunk Enterprise Security (ES) represents a significant security detection that requires investigation.
#Key Elements of a Good Notable Event:#Meaningful Descriptions (Answer A) Helps analysts understand the event at a glance.
Example: Instead of "Possible attack detected," use "Multiple failed admin logins from foreign IP address".
#Proper Categorization (Answer C)
Ensures events are classified correctly (e.g., Brute Force, Insider Threat, Malware Activity).
Example: A malicious file download alert should be categorized as "Malware Infection", not just "General Alert".
#Relevant Field Extractions (Answer D)
Ensures that critical details (IP, user, timestamp) are present for SOC analysis.
Example: If an alert reports failed logins, extracted fields should include username, source IP, and login method.
Why Not the Other Options?
#B. Minimal use of contextual data - More context helps SOC analysts investigate faster.
References & Learning Resources
#Building Effective Notable Events in Splunk ES: https://docs.splunk.com/Documentation/ES#SOC Best Practices for Security Alerts: https://splunkbase.splunk.com#How to Categorize Security Alerts Properly: https://www.splunk.com/en_us/blog/security

68. Frage
An engineer observes a high volume of false positives generated by a correlation search.
Whatsteps should they take to reduce noise without missing critical detections?

- A. Add suppression rules and refine thresholds.
- B. Increase the frequency of the correlation search.
- C. Limit the search to a single index.
- D. Disable the correlation search temporarily.

Antwort: A

Begründung:
How to Reduce False Positives in Correlation Searches?
High false positives can overwhelm SOC teams, causing alert fatigue and missed real threats. The best solution is to fine-tune suppression rules and refine thresholds.
#How Suppression Rules & Threshold Tuning Help:#Suppression Rules: Prevent repeated false positives from low-risk recurring events (e.g., normal system scans).#Threshold Refinement: Adjust sensitivity to focus on true threats (e.g., changing a login failure alert from 3 to 10 failed attempts).

#Example in Splunk ES:#Scenario: A correlation search generates too many alerts for failed logins.#Fix: SOC analysts refine detection thresholds:
Suppress alerts if failed logins occur within a short timeframe but are followed by a successful login.
Only trigger an alert if failed logins exceed 10 attempts within 5 minutes.
Why Not the Other Options?
#A. Increase the frequency of the correlation search - Increases search load without reducing false positives.
#C. Disable the correlation search temporarily - Leads to blind spots in detection.#D. Limit the search to a single index - May exclude critical security logs from detection.
References & Learning Resources
#Splunk ES Correlation Search Optimization Guide: https://docs.splunk.com/Documentation/ES#Reducing False Positives in SOC Workflows: https://splunkbase.splunk.com#Fine-Tuning Security Alerts in Splunk: https://www.splunk.com/en_us/blog/security

69. Frage
What should a security engineer prioritize when building a new security process?

- A. Integrating it with legacy systems
- B. Ensuring it aligns with compliance requirements
- C. Reducing the overall number of employees required
- D. Automating all workflows within the process

Antwort: B

Begründung:
When aSecurity Engineeris building a new security process, theirtop priorityshould be ensuring that the process aligns withcompliance requirements. This is crucial because compliance dictates the legal, regulatory, and industry standards that organizations must follow to protect sensitive data and maintain trust.
Why Compliance is the Top Priority?
Legal and Regulatory Obligations- Many industries are required to follow compliance standards such asGDPR, HIPAA, PCI-DSS, NIST, ISO 27001, and SOX. Non-compliance can lead toheavy fines and legal actions.
Data Protection & Privacy- Compliance ensures that sensitive information is handled securely, preventingdata breachesandunauthorized access.
Risk Reduction- Following compliance standards helps mitigate cybersecurity risks byimplementing security best practicessuch as encryption, access controls, and logging.
Business Reputation & Trust- Organizations that comply with standards buildcustomer confidence and industry credibility.
Audit Readiness- Security teams must ensure that logs, incidents, and processes align with compliance frameworks topass internal/external auditseasily.
How Does Splunk Enterprise Security (ES) Help with Compliance?
Splunk ES is aSecurity Information and Event Management (SIEM)tool that helps organizations meet compliance requirements by:
#Log Management & Retention- Stores and correlates security logs forauditability and forensic investigation.
#Real-time Monitoring & Alerts- Detects suspicious activity andalerts SOC teams.#Prebuilt Compliance Dashboards- Comes with out-of-the-box dashboards forPCI-DSS, GDPR, HIPAA, NIST 800-53, and other frameworks.#Automated Reporting- Generates reports that can be used forcompliance audits.
Example in Splunk ES:A security engineer can createcorrelation searches and risk-based alerting (RBA)to monitor and enforce compliance policies.
How Does Splunk SOAR Help Automate Compliance-Driven Security Processes?
Splunk SOAR (Security Orchestration, Automation, and Response) enhances compliance processes by:
#Automating Incident Response- Ensures that responses to security threats followpredefined compliance guidelines.#Automated Evidence Collection- Helps inaudit documentationby automatically collecting logs, alerts, and incident data.#Playbooks for Compliance Violations- Can automaticallydetect and remediatenon- compliant actions (e.g., blocking unauthorized access).
Example in Splunk SOAR:Aplaybookcan be configured to automaticallyrespond to an unencrypted database storing customer databy triggering a compliance violation alert and notifying the compliance team.
Why Not the Other Options?
#A. Integrating with legacy systems- While important,compliance is a higher priority. Security engineers shouldmodernizelegacy systems if they pose security risks.#C. Automating all workflows- Automation is beneficial, but it should not be prioritizedover security and compliance. Some security decisions requirehuman oversight.#D. Reducing the number of employees- Efficiency is important, butsecurity cannot be sacrificedto cut costs. Skilled SOC analysts and engineers arecritical to cybersecurity defense.
References & Learning Resources
#Splunk Docs - Security Essentials: https://docs.splunk.com/#Splunk ES Compliance Dashboards: https://splunkbase.splunk.com/app/3435/#Splunk SOAR Playbooks for Compliance:

https://www.splunk.com/en_us/products/soar.html#NIST Cybersecurity Framework & Splunk Integration: https://www.nist.gov/cyberframework

70. Frage

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