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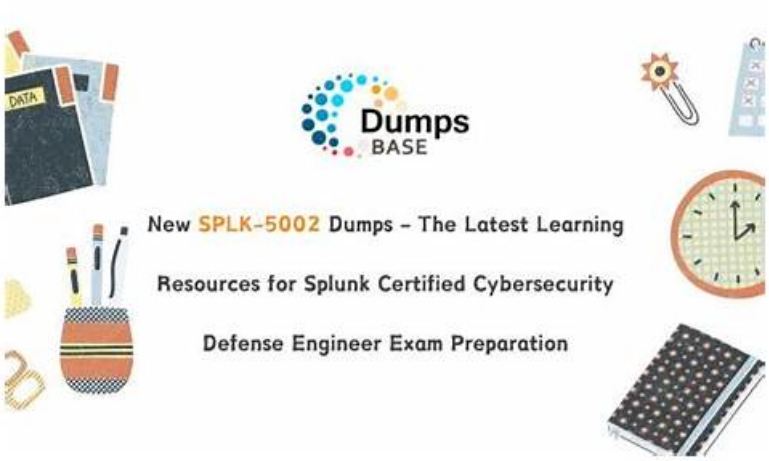

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Our SPLK-5002 exam questions generally raised the standard of practice materials in the market with the spreading of higher standard of knowledge in this area. So your personal effort is brilliant but insufficient to pass the Splunk Certified Cybersecurity Defense Engineer exam and our SPLK-5002 test guide can facilitate the process smoothly & successfully. Our Splunk Certified Cybersecurity Defense Engineer practice materials are successful by ensuring that what we delivered is valuable and in line with the syllabus of this exam. And our SPLK-5002 Test Guide benefit exam candidates by improving their ability of coping the exam in two ways, first one is their basic knowledge of it.

Splunk SPLK-5002 Exam Syllabus Topics:

Topic	Details
Topic 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.
Topic 2	• 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.
Topic 3	• 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.
Topic 4	• 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.
Topic 5	• 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.

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Splunk Certified Cybersecurity Defense Engineer Sample Questions (Q26-Q31):

NEW QUESTION # 26
What are key benefits of using summary indexing in Splunk? (Choose two)

- A. Provides automatic field extraction during indexing
- B. Reduces storage space required for raw data
- C. Increases data retention period
- D. Improves search performance on aggregated data

Answer: C,D

Explanation:
Summary indexing in Splunk improves search efficiency by storing pre-aggregated data, reducing the need to process large datasets repeatedly.
Key Benefits of Summary Indexing:
Improves Search Performance on Aggregated Data (B)
Reduces query execution time by storing pre-calculated results.
Helps SOC teams analyze trends without running resource-intensive searches.
Increases Data Retention Period (D)
Raw logs may have short retention periods, but summary indexes can store key insights for longer.
Useful for historical trend analysis and compliance reporting.

NEW QUESTION # 27
Which sourcetype configurations affect data ingestion?(Choosethree)

- A. Data retention policies
- B. Line merging rules
- C. Event breaking rules
- D. Timestamp extraction

Answer: B,C,D

Explanation:
The sourcetype in Splunk defines how incoming machine data is interpreted, structured, and stored. Proper sourcetype configurations ensure accurate event parsing, indexing, and searching.
#1. Event Breaking Rules (A)
Determines how Splunk splits raw logs into individual events.
If misconfigured, a single event may be broken into multiple fragments or multiple log lines may be combined incorrectly.
Controlled using LINE_BREAKER and BREAK_ONLY_BEFORE settings.
#2. Timestamp Extraction (B)
Extracts and assigns timestamps to events during ingestion.
Incorrect timestamp configuration leads to misplaced events in time-based searches.
Uses TIME_PREFIX, MAX_TIMESTAMP_LOOKAHEAD, and TIME_FORMAT settings.
#3. Line Merging Rules (D)
Controls whether multiline events should be combined into a single event.
Useful for logs like stack traces or multi-line syslog messages.
Uses SHOULD_LINEMERGE and LINE_BREAKER settings.

C: Data Retention Policies #
Affects storage and deletion, not data ingestion itself.
#Additional Resources:
Splunk Sourcetype Configuration Guide
Event Breaking and Line Merging

NEW QUESTION # 28
How can you incorporate additional context into notable events generated by correlation searches?

- A. By adding enriched fields during search execution
- B. By configuring additional indexers
- C. By optimizing the search head memory
- D. By using the dedup command in SPL

Answer: A

Explanation:
In Splunk Enterprise Security (ES), notable events are generated by correlation searches, which are predefined searches designed to detect security incidents by analyzing logs and alerts from multiple data sources. Adding additional context to these notable events enhances their value for analysts and improves the efficiency of incident response.
To incorporate additional context, you can:
Use lookup tables to enrich data with information such as asset details, threat intelligence, and user identity.
Leverage KV Store or external enrichment sources like CMDB (Configuration Management Database) and identity management solutions.
Apply Splunk macros orevalcommands to transform and enhance event data dynamically.
Use Adaptive Response Actions in Splunk ES to pull additional information into a notable event.
The correct answer is A. By adding enriched fields during search execution, because enrichment occurs dynamically during search execution, ensuring that additional fields (such as geolocation, asset owner, and risk score) are included in the notable event.
References:
Splunk ES Documentation on Notable Event Enrichment
Correlation Search Best Practices
Using Lookups for Data Enrichment

NEW QUESTION # 29
A security team notices delays in responding to phishing emails due to manual investigation processes.
Howcan Splunk SOAR improve this workflow?

- A. By increasing the indexing frequency of email logs
- B. By assigning cases to analysts in real-time
- C. By automating email triage and analysis with playbooks
- D. By prioritizing phishing cases manually

Answer: C

Explanation:
How Splunk SOAR Improves Phishing Response?
Phishing attacks require fast detection and response. Manual investigation delays can be eliminated using Splunk SOAR automation.
#Why Use Playbooks for Automated Email Triage? (Answer B)#Extracts email headers and attachments for analysis#Checks links & attachments against threat intelligence feeds#Automatically quarantines or deletes malicious emails#Escalates high-risk cases to SOC analysts
#Example Playbook Workflow in Splunk SOAR:#Scenario: A suspicious email is reported.#Splunk SOAR playbook automatically:
Extracts sender details & checks against threat intelligence
Analyzes URLs & attachments using VirusTotal/Sandboxing
Tags the email as "Malicious" or "Safe"
Quarantines the email & alerts SOC analysts
Why Not the Other Options?
#A. Prioritizing phishing cases manually - Still requires manual effort, leading to delays.#C. Assigning cases to analysts in real-time - Doesn't solve the issue of slow manual investigations.#D. Increasing the indexing frequency of email logs - Helps with log retrieval but doesn't automate phishing response.

References & Learning Resources
#Splunk SOAR Phishing Playbook Guide: https://docs.splunk.com/Documentation/SOAR#Phishing Detection Automation in Splunk: https://splunkbase.splunk.com#Email Threat Intelligence with SOAR: https://www.splunk.com/en_us/blog/security

NEW QUESTION # 30
Which action improves the effectiveness of notable events in Enterprise Security?

- A. Disabling scheduled searches
- B. Limiting the search scope to one index
- C. Using only raw log data in searches
- D. Applying suppression rules for false positives

Answer: D

Explanation:
Notable events in Splunk Enterprise Security (ES) are triggered by correlation searches, which generate alerts when suspicious activity is detected. However, if too many false positives occur, analysts waste time investigating non-issues, reducing SOC efficiency.
How to Improve Notable Events Effectiveness:
Apply suppression rules to filter out known false positives and reduce alert fatigue.
Refine correlation searches by adjusting thresholds and tuning event detection logic.
Leverage risk-based alerting (RBA) to prioritize high-risk events.
Use adaptive response actions to enrich events dynamically.
By suppressing false positives, SOC analysts focus on real threats, making notable events more actionable.
Thus, the correct answer is A. Applying suppression rules for false positives.
References:
Managing Notable Events in Splunk ES
Best Practices for Tuning Correlation Searches
Using Suppression in Splunk ES

NEW QUESTION # 31
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