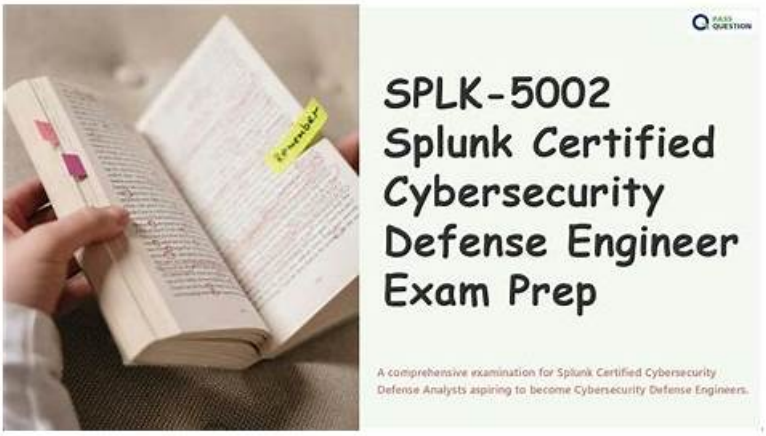
SPLK-5002 - Latest Reliable Splunk Certified Cybersecurity Defense Engineer Practice Materials



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The Splunk SPLK-5002 certification exam is a valuable credential that often comes with certain personal and professional benefits. For many Splunk professionals, the Splunk Certified Cybersecurity Defense Engineer (SPLK-5002) certification exam is not just a valuable way to boost their skills but also Splunk Certified Cybersecurity Defense Engineer certification exam gives them an edge in the job market or the corporate ladder. There are other several advantages that successful Splunk SPLK-5002 Exam candidates can gain after passing the Splunk SPLK-5002 exam.

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Splunk SPLK-5002 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 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.

Topic 3	• 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 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	• 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.

Splunk Certified Cybersecurity Defense Engineer Sample Questions (Q84-Q89):

NEW QUESTION # 84
What is the primary function of a Lean Six Sigma methodology in a security program?

- A. Monitoring the performance of detection searches
- B. Enhancing user activity logs
- C. Automating detection workflows
- D. Optimizing processes for efficiency and effectiveness

Answer: D

Explanation:
Lean Six Sigma (LSS) is a process improvement methodology used to enhance operational efficiency by reducing waste, eliminating errors, and improving consistency.
Primary Function of Lean Six Sigma in a Security Program:
Improves security operations efficiency by optimizing alert handling, threat hunting, and incident response workflows.
Reduces unnecessary steps in SOC processes, eliminating redundancies in threat detection and response.
Enhances decision-making by using data-driven analysis to improve security metrics and Key Performance Indicators (KPIs).

NEW QUESTION # 85
A security analyst wants to validate whether a newly deployed SOAR playbook is performing as expected.
Whatsteps should they take?

- A. Test the playbook using simulated incidents
- B. Compare the playbook to existing incident response workflows
- C. Monitor the playbook's actions in real-time environments
- D. Automate all tasks within the playbook immediately

Answer: A

Explanation:
A SOAR (Security Orchestration, Automation, and Response) playbook is a set of automated actions designed to respond to security incidents. Before deploying it in a live environment, a security analyst must ensure that it operates correctly, minimizes false positives, and doesn't disrupt business operations.
#Key Reasons for Using Simulated Incidents:
Ensures that the playbook executes correctly and follows the expected workflow.
Identifies false positives or incorrect actions before deployment.
Tests integrations with other security tools (SIEM, firewalls, endpoint security).
Provides a controlled testing environment without affecting production.
How to Test a Playbook in Splunk SOAR?
1##Use the "Test Connectivity" Feature - Ensures that APIs and integrations work.2##Simulate an Incident - Manually trigger an

alert similar to a real attack (e.g., phishing email or failed admin login).3##Review the Execution Path - Check each step in the playbook debugger to verify correct actions.4##Analyze Logs & Alerts - Validate that Splunk ES logs, security alerts, and remediation steps are correct.5##Fine-tune Based on Results - Modify the playbook logic to reduce unnecessary alerts or excessive automation.
Why Not the Other Options?
#B. Monitor the playbook's actions in real-time environments - Risky without prior validation. Itcan cause disruptions if the playbook misfires.#C. Automate all tasks immediately - Not best practice. Gradual deployment ensures better security control and monitoring.#D. Compare with existing workflows - Good practice, but it does not validate the playbook's real execution.
References & Learning Resources
#Splunk SOAR Documentation: https://docs.splunk.com/Documentation/SOAR#Testing Playbooks in Splunk SOAR: https://www.splunk.com/en_us/products/soar.html#SOAR Playbook Debugging Best Practices: https://splunkbase.splunk.com

NEW QUESTION # 86
What feature allows you to extract additional fields from events at search time?

- A. Data modeling
- B. Event parsing
- C. Index-time field extraction
- D. Search-time field extraction

Answer: D

Explanation:
Splunk allows dynamic field extraction to enhance data analysis without modifying raw indexed data.
Search-Time Field Extraction:
Extracts fields on-demand when running searches.
Uses Splunk's Field Extraction Engine (rex,spath, or automatic field discovery).
Minimizes indexing overhead by keeping the raw data unchanged.

NEW QUESTION # 87
What are key benefits of using summary indexing in Splunk? (Choose two)

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

Answer: B,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 # 88
What are the essential components of risk-based detections in Splunk?

- A. Source types, correlation searches, and asset groups
- B. Alerts, notifications, and priority levels
- C. Summary indexing, tags, and event types

- D. Risk modifiers, risk objects, and risk scores

Answer: D

Explanation:
What Are Risk-Based Detections in Splunk?
Risk-based detections in Splunk Enterprise Security (ES) assign risk scores to security events based on threat severity and asset criticality.
#Key Components of Risk-Based Detections:1##Risk Modifiers - Adjusts risk scores based on event type (e.g., failed logins, malware detections).2##Risk Objects - Entities associated with security events (e.g., users, IPs, devices).3##Risk Scores - Numerical values indicating the severity of a risk.
#Example in Splunk Enterprise Security:#Scenario: A high-privilege account (Admin) fails multiple logins from an unusual location.#Splunk ES applies risk-based detection:
Failed logins add +10 risk points
Login from a suspicious country adds +15 points
Total risk score exceeds 25 # Triggers an alert
Why Not the Other Options?
#B. Summary indexing, tags, and event types - Summary indexing stores precomputed data, but doesn't drive risk-based detection.#C. Alerts, notifications, and priority levels - Important, but risk-based detection is based on scoring, not just alerts.#D. Source types, correlation searches, and asset groups - Helps in data organization, but not specific to risk-based detections.
References & Learning Resources
#Splunk ES Risk-Based Alerting Guide: https://docs.splunk.com/Documentation/ES#Risk-Based Detections & Scoring in Splunk: https://www.splunk.com/en_us/blog/security/risk-based-alerting.html#Best Practices for Risk Scoring in SOC Operations: https://splunkbase.splunk.com

NEW QUESTION # 89
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If you have a faith, then go to defend it. Gorky once said that faith is a great emotion, a creative force. My dream is to become a top IT expert. I think that for me is nowhere in sight. But to succeed you can have a shortcut, as long as you make the right choice. I took advantage of Exams4Collection's Splunk SPLK-5002 exam training materials, and passed the Splunk SPLK-5002 Exam. Exams4Collection Splunk SPLK-5002 exam training materials is the best training materials. If you're also have an IT dream. Then go to buy Exams4Collection's Splunk SPLK-5002 exam training materials, it will help you achieve your dreams.

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