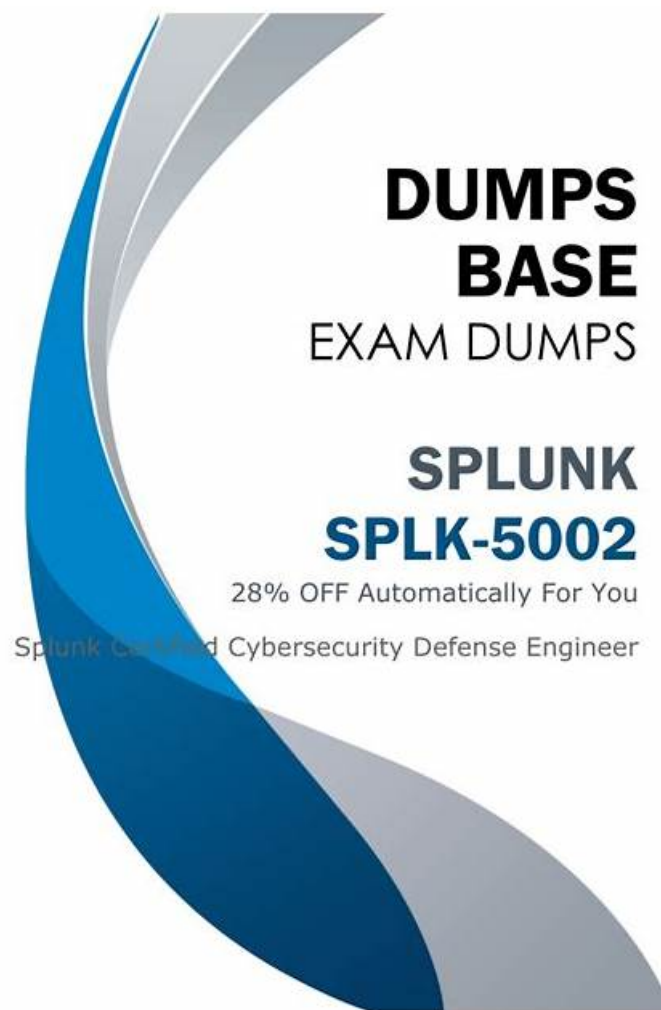


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Splunk SPLK-5002 Exam Syllabus Topics:

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	• 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 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	• 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 5	• 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.

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As the tech industry continues to evolve and adapt to new technologies, professionals who hold the Splunk Certified Cybersecurity Defense Engineer (SPLK-5002) certification are better equipped to navigate these changes and stay ahead of the curve, increasing their value to employers and clients. In today's fast-paced and ever-changing Splunk sector, having the Splunk Certified Cybersecurity Defense Engineer (SPLK-5002) certification has become a necessary requirement for individuals looking to advance their careers and stay competitive in the job market.

Splunk Certified Cybersecurity Defense Engineer Sample Questions (Q68-Q73):

NEW QUESTION # 68

What is the purpose of using data models in building dashboards?

- A. To compress indexed data
- **B. To provide a consistent structure for dashboard queries**
- C. To reduce storage usage on Splunk instances
- D. To store raw data for compliance purposes

Answer: B

Explanation:

Why Use Data Models in Dashboards?

Splunk Data Models allow dashboards to retrieve structured, normalized data quickly, improving search performance and accuracy.

#How Data Models Help in Dashboards?(Answer B) #Standardized Field Naming- Ensures that queries always use consistent field names (e.g., `src_ip` instead of `source_ip`). #Faster Searches- Data models allow dashboards to run structured searches instead of raw log queries. #Example: A SOC dashboard for user activity monitoring uses a CIM-compliant Authentication Data Model, ensuring that queries work across different log sources.

Why Not the Other Options?

#A. To store raw data for compliance purposes- Raw data is stored in indexes, not data models. #C. To compress indexed data- Data models structure data but do not perform compression. #D. To reduce storage usage on Splunk instances- Data models help with search performance, not storage reduction.

References & Learning Resources

#Splunk Data Models for Dashboard Optimization: <https://docs.splunk.com/Documentation/Splunk/latest>

/Knowledge/Aboutdatamodels #Building Efficient Dashboards Using Data Models: <https://splunkbase.splunk>

NEW QUESTION # 69

What is a key feature of effective security reports for stakeholders?

- **A. High-level summaries with actionable insights**
- B. Detailed event logs for every incident
- C. Exclusively technical details for IT teams
- D. Excluding compliance-related metrics

Answer: A

Explanation:

Security reports provide stakeholders (executives, compliance officers, and security teams) with insights into security posture, risks, and recommendations.

#Key Features of Effective Security Reports

High-Level Summaries

Stakeholders don't need raw logs but require summary-level insights on threats and trends.

Actionable Insights

Reports should provide clear recommendations on mitigating risks.

Visual Dashboards & Metrics

Charts, KPIs, and trends enhance understanding for non-technical stakeholders.

#Incorrect Answers:

B: Detailed event logs for every incident # Logs are useful for analysts, not executives.

C: Exclusively technical details for IT teams # Reports should balance technical & business insights.

D: Excluding compliance-related metrics # Compliance is critical in security reporting.

#Additional Resources:

Splunk Security Reporting Best Practices

Creating Executive Security Reports

NEW QUESTION # 70

What methods can improve dashboard usability for security program analytics?(Choosethree)

- A. Limiting the number of panels on the dashboard
- **B. Adding context-sensitive filters**
- C. Avoiding performance optimization
- **D. Standardizing color coding for alerts**
- **E. Using drill-down options for detailed views**

Answer: B,D,E

Explanation:

Methods to Improve Dashboard Usability in Security Analytics

A well-designed Splunk security dashboard helps SOC teams quickly identify, analyze, and respond to security threats.

#1. Using Drill-Down Options for Detailed Views (A)

Allows analysts to click on high-level metrics and drill down into event details.

Helps teams pivot from summary statistics to specific security logs.

Example:

Clicking on a failed login trend chart reveals specific failed login attempts per user.

#2. Standardizing Color Coding for Alerts (B)

Consistent color usage enhances readability and priority identification.

Example:

Red # Critical incidents

Yellow # Medium-risk alerts

Green # Resolved issues

#3. Adding Context-Sensitive Filters (D)

Filters allow users to focus on specific security events without running new searches.

Example:

A dropdown filter for "Event Severity" lets analysts view only high-risk events.

#Incorrect Answers:

C: Limiting the number of panels on the dashboard # Dashboards should be optimized, not restricted.

E: Avoiding performance optimization # Performance tuning is essential for responsive dashboards.

#Additional Resources:

Splunk Dashboard Design Best Practices

Optimizing Security Dashboards in Splunk

NEW QUESTION # 71

What is the purpose of leveraging REST APIs in a Splunk automation workflow?

- A. To generate predefined reports
- **B. To integrate Splunk with external applications and automate interactions**
- C. To configure storage retention policies
- D. To compress data before indexing

Answer: B

Explanation:

Splunk's REST API allows external applications and security tools to automate workflows, integrate with Splunk, and retrieve/search data programmatically.

#Why Use REST APIs in Splunk Automation?

Automates interactions between Splunk and other security tools.

Enables real-time data ingestion, enrichment, and response actions.

Used in Splunk SOAR playbooks for automated threat response.

Example:

A security event detected in Splunk ES triggers a Splunk SOAR playbook via REST API to:

Retrieve threat intelligence from VirusTotal.

Block the malicious IP in Palo Alto firewall.

Create an incident ticket in ServiceNow.

#Incorrect Answers:

A: To configure storage retention policies # Storage is managed via Splunk indexing, not REST APIs.

C: To compress data before indexing # Splunk does not use REST APIs for data compression.

D: To generate predefined reports # Reports are generated using Splunk's search and reporting functionality, not APIs.

#Additional Resources:

Splunk REST API Documentation

Automating Workflows with Splunk API

NEW QUESTION # 72

Which elements are critical for documenting security processes?(Choosetwo)

- A. Customer satisfaction surveys
- **B. Incident response playbooks**
- C. Detailed event logs
- **D. Visual workflow diagrams**

Answer: B,D

Explanation:

Effective documentation ensures that security teams can standardize response procedures, reduce incident response time, and improve compliance.

#1. Visual Workflow Diagrams (B)

Helps map out security processes in an easy-to-understand format.

Useful for SOC analysts, engineers, and auditors to understand incident escalation procedures.

Example:

Incident flow diagram showing escalation from Tier 1 SOC analysts # Threat hunters # Incident response teams.

#2. Incident Response Playbooks (C)

Defines step-by-step response actions for security incidents.

Standardizes how teams should detect, analyze, contain, and remediate threats.

Example:

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