

SPLK-5002 Questions & Answers & SPLK-5002 Study Guide & SPLK-5002 Exam Preparation



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Splunk SPLK-5002 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• 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 2	<ul style="list-style-type: none">• 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 3	<ul style="list-style-type: none">• 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 4	<ul style="list-style-type: none">• 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 5	<ul style="list-style-type: none">• 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.

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Splunk Certified Cybersecurity Defense Engineer Sample Questions (Q72-Q77):

NEW QUESTION # 72

Which actions help to monitor and troubleshoot indexing issues?(Choosethree)

- A. Monitor queues in the Monitoring Console.
- B. Enable distributed search in Splunk Web.
- C. Review internal logs such as splunkd.log.
- D. Use btool to check configurations.

Answer: A,C,D

Explanation:

Indexing issues can cause search performance problems, data loss, and delays in security event processing.

#1. Use btool to Check Configurations (A)

Helps validate Splunk configurations related to indexing.

Example:

Checkindexes.confsettings:

```
splunk btool indexes list --debug
```

#2. Monitor Queues in the Monitoring Console (B)

Identifies indexing bottlenecks such as blocked queues, dropped events, or indexing lag.

Example:

Navigate to: Settings # Monitoring Console # Indexing Performance.

#3. Review Internal Logs Such as splunkd.log (C)

The splunkd.logfile contains indexing errors, disk failures, and queue overflows.

Example:

Use Splunk to search internal logs:

D: Enable distributed search in Splunk Web # Distributed search improves scalability, but does not troubleshoot indexing problems.

#Additional Resources:

Splunk Indexing Performance Guide

Using btool for Debugging

NEW QUESTION # 73

How can you ensure that a specific sourcetype is assigned during data ingestion?

- A. Use REST API calls to tag sourcetypes dynamically.
- B. Define the sourcetype in the search head.
- C. Configure the sourcetype in the deployment server.
- D. Use props.conf to specify the sourcetype.

Answer: D

Explanation:

Why Useprops.conf to Assign Sourcetypes?

In Splunk, sourcetypes define the format and structure of incoming data. Assigning the correct sourcetype ensures that logs are parsed, indexed, and searchable correctly.

#How Doesprops.confHelp?

props.confallows manual sourcetype assignment based on source or host.

Ensures that logs are indexed with the correct parsing rules (timestamps, fields, etc.).

#Example Configuration in props.conf:

ini

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```
[source::/var/log/auth.log]
```

```
sourcetype = auth_logs
```

#This forces all logs from /var/log/auth.log to be assigned sourcetype=auth_logs.

Why Not the Other Options?

#B. Define the sourcetype in the search head - Sourcetypes are assigned at ingestion time, not at search time.

#C. Configure the sourcetype in the deployment server - The deployment server manages configurations, but props.conf is what actually assigns sourcetypes. #D. Use REST API calls to tag sourcetypes dynamically - REST APIs help modify configurations, but they don't assign sourcetypes directly during ingestion.

References & Learning Resources

#Splunk props.conf Documentation: <https://docs.splunk.com/Documentation/Splunk/latest/Admin>

/Propsconf#Best Practices for Sourcetype Management: https://www.splunk.com/en_us/blog/tips-and-tricks#Splunk Data Parsing

Guide: <https://splunkbase.splunk.com>

NEW QUESTION # 74

What is the best method to operationalize the results of a threat hunt for daily use by SOC analysts?

- A. Communicate findings based on the hunt.
- **B. Create detections based on the documented findings.**
- C. Communicate gaps to the architecture team.
- D. Create monthly reports based on the documented findings.

Answer: B

Explanation:

The best way to operationalize the results of a threat hunt is to create detections based on the documented findings. This transforms hunting insights into actionable, repeatable detection logic that SOC analysts can use daily to identify similar threats in real time.

NEW QUESTION # 75

When creating a detection that searches user activity across CIM-compliant data, which CIM field should be reviewed to ensure that data is aggregated appropriately?

- A. identity
- B. srcUser
- C. userid
- **D. user**

Answer: D

Explanation:

The user field is the normalized CIM field for user activity across data sources. Reviewing and using this field ensures that data from different sources is properly aggregated, enabling consistent detection logic across CIM-compliant datasets.

NEW QUESTION # 76

What does Splunk's term "bucket" refer to in data indexing?

- **A. A directory containing indexed data**
- B. A collection of events with a specific retention policy
- C. A storage unit for archived data
- D. A database table for search results

Answer: A

