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Gehen Sie einen entscheidenden Schritt weiter. Mit der SISA CSPAI Zertifizierung erhalten Sie einen Nachweis Ihrer besonderen Qualifikationen und eine Anerkennung für Ihr technisches Fachwissen. SISA bietet eine Reihe verschiedener CSPAI Zertifizierungsprogramme für professionelle Benutzer an. Untersuchungen haben gezeigt, dass zertifizierte Fachleute häufig mehr verdienen als ihre Kollegen ohne Zertifizierung.

SISA CSPAI Prüfungsplan:

Thema	Einzelheiten
Thema 1	• Evolution of Gen AI and Its Impact: This section of the exam measures skills of the AI Security Analyst and covers how generative AI has evolved over time and the implications of this evolution for cybersecurity. It focuses on understanding the broader impact of Gen AI technologies on security operations, threat landscapes, and risk management strategies.
Thema 2	• Improving SDLC Efficiency Using Gen AI: This section of the exam measures skills of the AI Security Analyst and explores how generative AI can be used to streamline the software development life cycle. It emphasizes using AI for code generation, vulnerability identification, and faster remediation, all while ensuring secure development practices.
Thema 3	• Securing AI Models and Data: This section of the exam measures skills of the Cybersecurity Risk Manager and focuses on the protection of AI models and the data they consume or generate. Topics include adversarial attacks, data poisoning, model theft, and encryption techniques that help secure the AI lifecycle.
Thema 4	• Using Gen AI for Improving the Security Posture: This section of the exam measures skills of the Cybersecurity Risk Manager and focuses on how Gen AI tools can strengthen an organization's overall security posture. It includes insights on how automation, predictive analysis, and intelligent threat detection can be used to enhance cyber resilience and operational defense.

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CSPAI Trainingsmaterialien: Certified Security Professional in Artificial Intelligence & CSPAI Lernmittel & SISA CSPAI Quiz

Liebe Kandidaten, haben Sie schon mal gedacht, sich an der Kurse für die SISA CSPAI Zertifizierungsprüfung beteiligen? Eigentlich können Sie Maßnahmen treffen, die Prüfung nur einmal zu bestehen. Die Schulungsunterlagen von Fast2test ist eine gute Wahl. Das

virtuelle Internet-Training und die Kurse enthalten viele SISA CSPAI Prüfungsaufgaben, die Ihnen zum erfolgreichen Bestehen der Prüfung verhelfen.

SISA Certified Security Professional in Artificial Intelligence CSPAI Prüfungsfragen mit Lösungen (Q26-Q31):

26. Frage

What is a potential risk of LLM plugin compromise?

- A. Improved model accuracy
- B. Reduced model training time
- C. Better integration with third-party tools
- **D. Unauthorized access to sensitive information through compromised plugins**

Antwort: D

Begründung:

LLM plugin compromises occur when extensions or integrations, like API-connected tools in systems such as ChatGPT plugins, are exploited, leading to unauthorized data access or injection attacks. Attackers might hijack plugins to leak user queries, training data, or system prompts, breaching privacy and enabling further escalations like lateral movement in networks. This risk is amplified in open ecosystems where plugins handle sensitive operations, necessitating vetting, sandboxing, and encryption. Unlike benefits like accuracy gains, compromises erode trust and invite regulatory penalties. Mitigation strategies include regular vulnerability scans, least-privilege access, and monitoring for anomalous plugin behavior. In AI security, this highlights the need for robust plugin architectures to prevent cascade failures. Exact extract: "A potential risk of LLM plugin compromise is unauthorized access to sensitive information, which can lead to data breaches and privacy violations." (Reference: Cyber Security for AI by SISA Study Guide, Section on Plugin Security in LLMs, Page 155-158).

27. Frage

When deploying LLMs in production, what is a common strategy for parameter-efficient fine-tuning?

- **A. Freezing the majority of model parameters and only updating a small subset relevant to the task**
- B. Training the model from scratch on the target task to achieve optimal performance.
- C. Using external reinforcement learning to adjust the model's parameters dynamically.
- D. Implementing multiple independent models for each specific task instead of fine tuning a single model

Antwort: A

Begründung:

Parameter-efficient fine-tuning (PEFT) strategies, like LoRA or adapters, freeze most pretrained parameters and train only lightweight modules, reducing computational costs while adapting to new tasks. This preserves general knowledge, prevents catastrophic forgetting, and enables quick deployments in resource-constrained settings. For LLMs, it's crucial for efficiency in production, allowing specialization without retraining billions of parameters. Security-wise, it minimizes exposure to new data risks. Exact extract: "A common strategy is freezing the majority of model parameters and updating only a small task-relevant subset, ensuring efficiency in fine-tuning for production deployment." (Reference: Cyber Security for AI by SISA Study Guide, Section on Efficient Fine-Tuning in SDLC, Page 90-92).

28. Frage

For effective AI risk management, which measure is crucial when dealing with penetration testing and supply chain security?

- **A. Conduct comprehensive penetration testing and continuously evaluate both internal systems and third-party components in the supply chain.**
- B. Perform occasional penetration testing and only address vulnerabilities in the internal network.
- C. Implement penetration testing only for high-risk components and ignore less critical ones
- D. Prioritize external audits over internal penetration testing to assess supply chain security.

Antwort: A

Begründung:

Effective AI risk management requires comprehensive penetration testing and continuous evaluation of both internal and third-party

supply chain components to identify vulnerabilities like backdoors or weak APIs. This holistic approach, aligned with SISA risk models, ensures robust security across the AI ecosystem, unlike limited or external-only testing. Exact extract: "Comprehensive penetration testing and continuous evaluation of internal and third-party components are crucial for AI risk management." (Reference: Cyber Security for AI by SISA Study Guide, Section on AI Risk Assessment Models, Page 180-183).

29. Frage

How does GenAI contribute to incident response in cybersecurity?

- A. By delaying responses to gather more data for analysis.
- B. By manually reviewing each incident without AI assistance.
- C. By focusing only on post-incident reporting.
- **D. By automating playbook generation and response orchestration.**

Antwort: D

Begründung:

GenAI enhances incident response by dynamically generating customized playbooks based on threat intelligence and orchestrating automated actions like isolation or patching. It processes vast logs in real-time, correlating events to prioritize alerts and suggest optimal responses, reducing mean time to respond (MTTR).

For complex incidents, it simulates outcomes of different strategies, aiding decision-making. This automation frees analysts for strategic tasks, improving efficiency and effectiveness in containing breaches. Exact extract:

"GenAI contributes to incident response by automating playbook generation and orchestration, enhancing cybersecurity operations." (Reference: Cyber Security for AI by SISA Study Guide, Section on AI in Incident Response, Page 215-218).

30. Frage

How does ISO 27563 support privacy in AI systems?

- A. By mandating the use of specific encryption algorithms.
- B. By focusing on performance metrics over privacy.
- C. By limiting AI to non-personal data only.
- **D. By providing guidelines for privacy-enhancing technologies in AI.**

Antwort: D

Begründung:

ISO 27563 offers practical guidance on implementing privacy-enhancing technologies (PETs) in AI, such as differential privacy or federated learning, to protect data while maintaining utility. It addresses risks like inference attacks, ensuring compliance with privacy regulations. Exact extract: "ISO 27563 supports privacy in AI by providing guidelines for privacy-enhancing technologies."

(Reference: Cyber Security for AI by SISA Study Guide, Section on ISO 27563 for Privacy, Page 265-268).

31. Frage

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Fast2test versprechen, dass wir keine Mühe scheuen, um Ihnen zu helfen, die SISA CSPAI Zertifizierungsprüfung zu bestehen. Jetzt können Sie kostenlos einen Teil der Fragen und Antworten von SISA CSPAI Zertifizierungsprüfung (Certified Security Professional in Artificial Intelligence) auf Fast2test downloaden. Wenn Sie Fast2test wählen, können Sie nicht nur die SISA CSPAI Zertifizierungsprüfung bestehen, sondern auch über einen einjährigen kostenlosen Update-Service verfügen. Fast2test versprechen, wenn Sie die Prüfung nicht bestehen, zahlen wir Ihnen die gesamte Summe zurück.

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