Play It Safe: Manage Security Risks

Provider: Google (Coursera, part of the Google Cybersecurity Certificate)
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Overview

This course focused on frameworks, controls, and playbooks that help analysts reduce risks and protect operations. It covered the CISSP domains, NIST frameworks, CIA triad, and common threats, reinforced through SIEM activities and incident response labs.

Key Topics Covered

- CISSP's eight domains and their applications

- Threats, risks, and vulnerabilities: ransomware, phishing, insider threats

- NIST RMF, CSF v2.0, and ISO/IEC 27001

- Security controls: encryption, MFA, firewalls, authentication

- CIA triad: confidentiality, integrity, availability

- Security audits, compliance, and InfoSec processes

- SIEM dashboards for threat detection

- Playbooks for incident response and mitigation

Practical Applications

- Applying NIST and ISO frameworks to reduce risk

- Using SIEM dashboards to detect anomalies

- Implementing controls such as MFA, encryption, WAFs

- Conducting audits and compliance reviews

- Building and executing playbooks for response

Personal Reflection

This course strengthened my knowledge of frameworks, controls, and SIEM tools. I gained confidence in applying the CIA triad, assessing risks, and using audits to improve security posture in compliance-driven environments.