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CCSP Study Notes

Comprehensive study guide for cloud security domains

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📖 Domain 1: Cloud Concepts, Architecture and Design (17%)

Key Topics:

- Cloud computing concepts and definitions
- Cloud reference architecture (NIST, ISO/IEC)
- Security concepts relevant to cloud computing
- Design principles of secure cloud computing
- Disaster recovery and business continuity planning
- Risk assessment and analysis methods

Cloud Service Models:

IaaS (Infrastructure as a Service): Provides virtualized computing resources over the internet. Customer manages OS, applications, and data.

PaaS (Platform as a Service): Provides platform for developing, running, and managing applications without infrastructure complexity.

SaaS (Software as a Service): Delivers software applications over the internet on a subscription basis.

📖 Domain 2: Cloud Data Security (20%)

Key Topics:

- Data lifecycle phases
- Cloud storage architectures
- Data security technologies and strategies
- Data discovery and classification

Analytics (⌘⇧A)

💬 Feedback

- Data rights management (DRM)
- Data retention, deletion, and archiving policies

📖 Domain 3: Cloud Platform & Infrastructure Security (17%)

Key Topics:

- Physical and environmental security design
- Cloud infrastructure components
- Network security in cloud environments
- Compute and storage security
- Virtualization security

📖 Domain 4: Cloud Application Security (17%)

Key Topics:

- Secure Software Development Lifecycle (SDLC)
- Application security testing methodologies
- Secure coding practices
- Identity and access management
- Encryption and key management
- API security

📖 Domain 5: Cloud Security Operations (16%)

Key Topics:

- Incident detection, analysis, and response
- Infrastructure management
- Logging, monitoring, and alerting
- Patch and configuration management
- Change and release management

📖 Domain 6: Legal, Risk and Compliance (13%)

Key Topics:

• Legal frameworks and requirements

• Compliance and audit requirements

• Privacy issues and regulations (GDPR, CCPA)

• Audit processes and methodologies

• Risk management frameworks

• Vendor and third-party management

Ready to Practice?

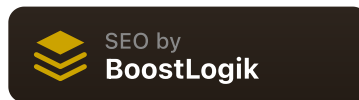Test your knowledge with our comprehensive practice questions and exams.

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