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Up-skill Yourself

Security+

Course Outline SY0-401

1. Security Fundamentals

- The Information Security Cycle
- Information Security Controls
- Authentication Methods
- Cryptography Fundamentals
- Security Policy Fundamentals

2. Security Threats and Vulnerabilities

- Social Engineering
- Physical Threats and Vulnerabilities
- Network-Based Threats
- Wireless Threats and Vulnerabilities
- Software Based Threats

3. Network Security

- Network Devices and Technologies
- Network Design Elements and Components
- Implement Network Protocols
- Apply Network Security Administration Design Principles
- Secure Wireless Traffic

4. Managing Application, Data, and Host Security

- Establish Device/Host Security
- Application Security o Data Security
- Access Control, Authentication, and Account Management
- Access Control and Authentication Services
- Implement Account Management Security Control

5. Managing Certificates

- Install a CA Hierarchy
- Enroll Certificates
- Secure Network Traffic by Using Certificates
- Renew Certificates
- Revoke Certificates
- Back Up and Restore Certificates and Private Keys

6. Compliance and Operational Security

- Physical Security
- Legal Compliance
- Security Awareness and Training

7. Risk Management

- Risk Analysis
- Implement Vulnerability Assessment Tools and Techniques
- Scan for Vulnerabilities
- Mitigation and Deterrent Techniques

8. Managing Security Incidents

- Respond to Security Incidents
- Recover from a Security Incident

9. Business Continuity and Disaster Recovery Planning

- Business Continuity
- Plan for Disaster Recovery
- Execute DRPs and Procedures