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PRESENTATION

CYBERSECURITY RISK ASSESSMENT

CONTENT

INTROODUCTION

Cyber-attacks on small businesses are increasing

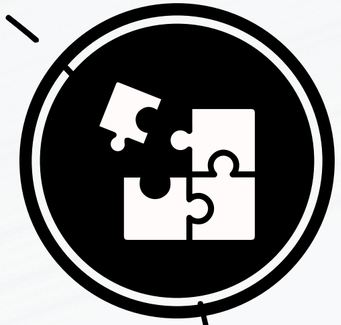
- Objective: Conduct an in-depth risk assessment for Easy Solutions Corporation.
- Scope: Identify vulnerabilities and recommend robust security measures.

THREAT IDENTIFICATION

Corporate Network

- Servers: Web, Database, Application
- Workstations: PCs, Laptops
- Network Devices: Core and Access Switches
- Security Devices: Firewall, IDS
-

DMZ (Demilitarized Zone)



Remote Access

VPN Gateway
Remote Users: Laptops, Mobile Devices

VULNERABILITY SCANNING

NMap

- Phishing Attacks: Employees may fall for phishing emails.
- DDoS Attacks: Public-facing servers are prime targets.
- SQL Injection: Web server vulnerabilities can be exploited.
- Insider Threats: Disgruntled employees may aid attackers.
- Weak Passwords: Easy to crack passwords.
- Outdated Software: Unpatched software vulnerabilities.
- Misconfigured Firewalls: Security gaps due to improper configurations.
- Unsecured Wi-Fi: Guest netw

Using NMap

Network Mapping: Identify active devices.

Service and Version Detection: Detect running services.

Vulnerability Detection: Identify potential vulnerabili

Scanning

RISK ANALYSIS

- Critical: SQL injection vulnerability.
- High: Outdated software.
- Medium: Weak passwords.
- Low: Misconfigured guest Wi-Fi.

MITIGATION STRATEGIES

- Implement Remediation Measures
- Reassess and Verify

Apply patches, reconfigure firewalls, enforce security

REPORT

In cybersecurity, vigilance and proactive measures are crucial. Easy Solutions Corporation must stay ahead of threats by continuously improving their defenses against sophisticated attackers like Group ABC. The journey to secure its network is essential for survival and success in the digital age.