

Preparation, tools and practical examples of IT AUDIT

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- Most important engagements for IT auditors
 - ☐ Network
 - □ Application Systems
 - Databases
 - ☐ Information/Cyber Security
- Tools to use for IT audit engagement without deep IT knowledge
- Practical examples

Most important engagements for IT auditors: 1- Network

- 1. Ensure procedures are documented
- 2. Review security patches for network software
- 3. Review Network Cybersecurity Vulnerabilities
- 4. Identify firewall management policy-procedures and changes
- 5. Confirm wireless networks are secured
- 6. Scan for unauthorized access points
- 7. Review the event log monitoring process

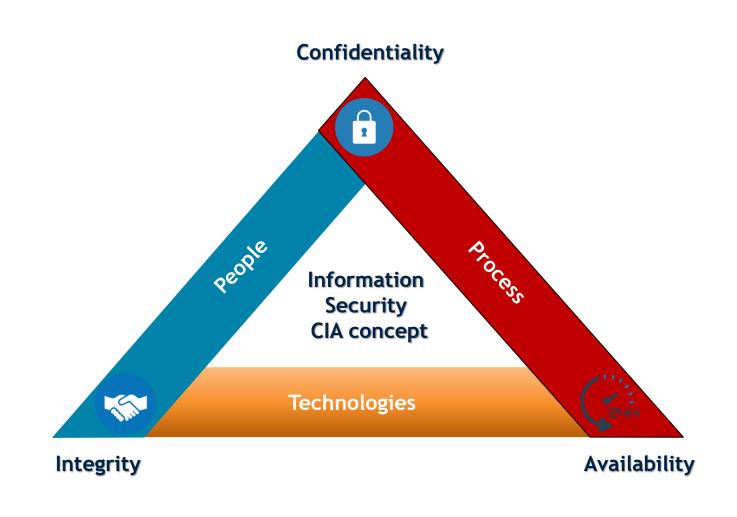
Most important engagements for IT auditors: 2- Application systems

- 1. Users, groups and permissions
- 2. Update/upgrade policy and procedures, EOL management
- 3. Security patch management
- 4. Change management
- 5. Backup/restore procedures
- 6. Disaster recovery plan

Most important engagements for IT auditors: 3 - Databases

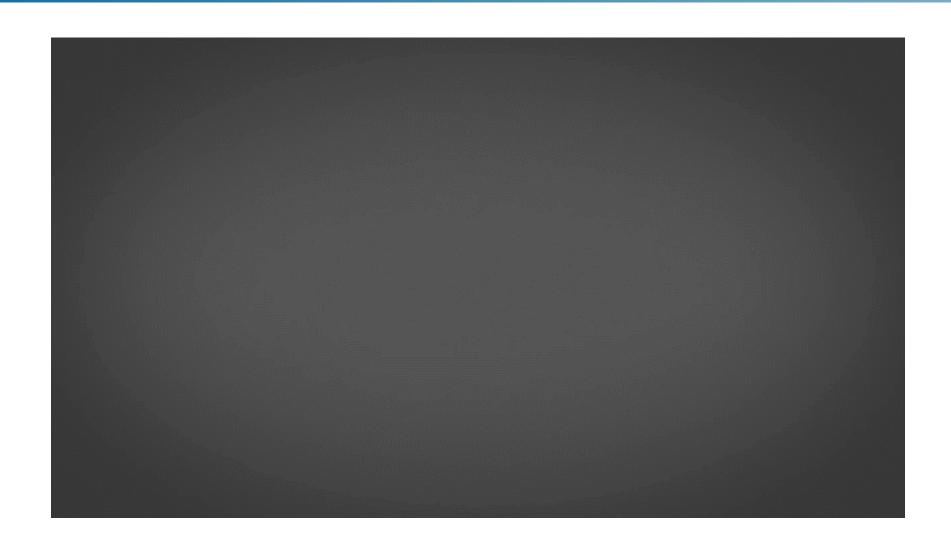
- 1. Users, groups and permissions
 - 1. Default accounts and Weak Passwords
- 2. DB admin's and privileged accounts activity monitoring
- 3. Update/upgrade policy and procedures, EOL management
- 4. Change management
- 5. Backup/restore procedures

Most important engagements for IT auditors: 4 - CyberSecurity



Tools to use

- □ IT Network Inventory Deepscan Network inventory tool
- □ Spiceworks Inventory Network inventory tool that automatically discovers network devices
- Network Inventory Advisor inventory scanning tool
- Netwrix Auditor Network security auditing software with configuration monitoring
- **Nessus** Free vulnerability assessment tool with over 450 configuration templates
- Nmap Open-source port scanner and network mapper available as a command-line interface or as a GUI (Zenmap)
- OpenVAS Vulnerability assessment tool for Linux users with regular updates
- Acunetix A network security scanner that can detect over 50,000 network vulnerabilities and integrates with OpenVAS
- ManageEngine ADAudit Plus Auditing tool for Active Directory with over 200 pre-configured reports



THANK YOU!