

Microsoft Excel Pro (V2)

Competency Assessment Objectives

Identity Management and Authentication

Manage Identity

- Manage Windows Local and Domain Users and Groups
- Manage Linux Users and Groups
- Manage Active Directory OUs

Harden Authentication

- Configure Account Policies
- Manage account password
- Secure Default and local accounts
- Configure and Link Group Policy Objects (GPO)

Physical and Network Security

Harden Physical Access

- Implement Physical Security
- Install and Configure a Security Appliance
- Install and Configure a Firewall
- Create and Configure a Demilitarized Zone (DMZ)
- Configure Network Address Translation (NAT)

Harden Network Devices

- Configure and Access a Switch
- Configure and Access a Wireless Network
- Configure and Access a Virtual Private Network (VPN)
- Harden a Wireless Network

- Configure Router Security
- Bring Your Own Device (BYOD) Security.
- Create and Connect to a Virtual Local Area Network (VLAN)

Host and Application Defenses

Harden Computer Systems

- Configure File system Inheritance
- Configure Anti-virus Protection
- Configure NTFS Permissions
- Configure Windows Update

Implement Application Defenses

- Implement Application Whitelisting
- Implement Data Execution Prevention (DEP)
- Configure Web Application Security
- Configure Email Filters and Settings
- Configure Browser Settings

Implement Virtualization

- Create Virtual Machines
- Create Virtual Switches

Data Security

Protect and Maintain Data files

- Perform data backups and recovery
- Implement redundancy

Implement Encryption Technologies

- Encrypt Data Communications

- Encrypt Files
- Manage Certificates

Audits and Security Assessments

Implement Logging and Auditing

- Configure Advanced Audit Policy
- Enable Device Logs

Assessment Techniques

- Implement Intrusion Detection
- Identify Social Engineering
- Scan for Vulnerabilities
- Analyze Network Attacks
- Analyze Password Attacks