

Network Security Checklist

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- General
 - Develop a Security Policy detailing rights and responsibilities of staff, patrons, and contract users
 - Develop a Acceptable Use Policy (AUP) developed for patrons and staff
 - Train staff not to reveal system passwords to anyone other than specified individuals
 - Train staff not to allow anyone access to systems and network equipment without authorization
 - Require companies performing maintenance/configuration to sign a disclosure agreement
- Physical & Data Security
 - Lock servers and network equipment.
 - Rotate one backup set offsite regularly and store in a secure location
 - Secure Keys used for securing equipment or media
 - Keep computers visible
 - Use locks on computer cases
 - Perform regular inspections.
- Password Security
 - Develop written password security policy
 - Develop written instructions in creating strong passwords
 - Store password documentation in secure location
- Workstation Security
 - Require logon at each workstation
 - Configure workstations with private IP addresses to be either static or dynamic
 - Remove unnecessary/unused files and programs
 - Install anti-virus software on all workstations
 - Schedule anti-virus software Updates 2 times per week
 - Schedule software updates 1 time per week
 - Schedule Operating System updates 1 time per week.
 - Install Pop up blockers
- LAN/Domain Server Security

- Remove unnecessary services
- Remove unnecessary files/programs
- Configure file system with proper file/folder access permissions
- Disable anonymous user logon information
- Configure account policy to restrict unauthorized logon attempts
- Block account after too many failed logon attempts
- Create administrators to perform different functions
- Limit remote administrator rights
- Disable administrator rights on remote server
- Configure Remote Access Service security
- Rename Administrator Account
- Configure auditing of Administrator account logon attempts
- Set a strong password for current administrator/root account
- Use different passwords for domain/server accounts than for local workstation accounts
- Restrict access permissions for the Everyone group
- Disable Guest account if enabled
- Create appropriate user and group accounts
- Set appropriate group access permissions
- Configure audit logs to track unauthorized access to files/folders/accounts
- Schedule periodic download and installation of operating system patches
- Network Equipment Security
 - Record and secure any password settings created by staff or contractor
 - Configure audit logs properly, if available
 - Schedule periodic installation of firmware updates
- Router/Firewall Security
 - Use firewall; public services (web/ftp/e-mail) are provided on separate network segment, the DMZ
 - Implement network address translation (NAT), if possible
 - Configure router to deny inbound access to unused ports
 - Configure firewall so no packets with source addresses outside the LAN are allowed into the LAN, but only to DMZ

- Firewall uses stateful packet inspection, providing protection against denial-of-service attacks and IP spoofing
- Schedule periodic installation of firmware updates