

Network Issue Summary

User password set to never expire (30 pts each)

600 **Current Score:** 30 pts x 20 = 600: 39.79%

Issue: User accounts with passwords set to never expire present a risk of use by unauthorized users. They are more easily compromised than passwords that are routinely changed.

Recommendation: Investigate all accounts with passwords set to never expire and configure them to expire regularly.

Anti-spyware not installed (94 pts each)

188 **Current Score:** 94 pts x 2 = 188: 12.47%

Issue: Anti-spyware software was not detected on some computers. Without adequate anti-virus and anti-spyware protection on all workstations and servers, the risk of acquiring malicious software is significant.

Recommendation: Assure that anti-spyware is deployed to all possible endpoints in order to prevent both security and productivity issues.

Anti-virus not installed (94 pts each)

188 **Current Score:** 94 pts x 2 = 188: 12.47%

Issue: Anti-virus software was not detected on some computers. Without adequate anti-virus and anti-spyware protection on all workstations and servers, the risk of acquiring malicious software is significant.

Recommendation: To prevent both security and productivity issues, we strongly recommend ensuring that anti-virus is deployed to all possible endpoints.

Operating system in Extended Support (20 pts each)

120 **Current Score:** 20 pts x 6 = 120: 7.96%

Issue: Computers are using an operating system that is in Extended Supported. Extended Support is a warning period before an operating system is no longer supported by the manufacturer and will no longer receive support or patches.

Recommendation: Upgrade computers that have operating systems in Extended Support before end of life.

User has not logged on to domain in 30 days (13 pts each)

117 **Current Score:** 13 pts x 9 = 117: 7.76%

Issue: Users have not logged on to domain in 30 days. A user that has not logged in for an extended period of time could be a former employee or vendor.

Recommendation: Disable or remove user accounts for users that have not logged on to active directory in 30 days.

Excessive security patches missing on computers (90 pts each)

90 **Current Score:** 90 pts x 1 = 90: 5.97%

Issue: Security patches are missing on computers. Maintaining proper security patch levels helps prevent unauthorized access and the spread of malicious software. Lots is defined as missing four or more patches.

Recommendation: Address patching on computers missing 4+ security patches.

Lack of redundant domain controller (85 pts each)

85 **Current Score:** 85 pts x 1 = 85: 5.64%

Issue: Only one domain controller was found on the network. There is a heightened risk of business downtime, loss of data, or service outage due to a lack of redundancy.

Recommendation: Evaluate the risk, cost, and benefits of implementing a redundant Domain Controller.

Insecure listening ports (10 pts each)

80 **Current Score:** 10 pts x 8 = 80: 5.31%

Issue: Computers are using potentially insecure protocols.

Recommendation: There may be a legitimate business need, but these risks should be assessed individually. Certain protocols are inherently insecure since they often lack encryption. Inside the network, their use should be minimized as much as possible to prevent the spread of malicious software. Of course, there can be reasons these services are needed and other means to protect systems which listen on those ports. We recommend reviewing the programs listening on the network to ensure their necessity and security.

Inactive computers (15 pts each)

30 **Current Score:** 15 pts x 2 = 30: 1.99%

Issue: Computers have not checked in during the past 30 days

Recommendation: Investigate the list of inactive computers and determine if they should be removed from Active Directory, rejoined to the network, or powered on.

Un-populated organization units (10 pts each)

10 **Current Score:** 10 pts x 1 = 10: 0.66%

Issue: Empty organizational units (OU) were found in Active Directory. They may not be needed and can lead to misconfiguration.

Recommendation: Remove or populate empty organizational units.

Security Issue Summary

Automatic screen lock not turned on (72 pts each)

144 **Current Score:** 72 pts x 2 = 144: 65.16%

Issue: Automatic screen lock prevents unauthorized access when users leave their computers. Having no screen lock enabled allows unauthorized access to network resources.

Recommendation: Enable automatic screen lock on the specified computers.

Account lockout disabled (77 pts each)

77 **Current Score:** 77 pts x 1 = 77: 34.84%

Issue: Account lockout (disabling an account after a number of failed attempts) significantly reduces the risk of an attacker acquiring a password through a brute force attack.

Recommendation: Enable account lockout for all users.