

Security risk assessment report

Part 1: Select up to three hardening tools and methods to implement

Based off the vulnerabilities discovered on the network I think we should implement the following measure to help mitigate any future risks and breaches

1. Strong password policies
2. Firewall maintenance
3. Multi Factor authentication (MFA)

Part 2: Explain your recommendations

I recommend a stronger password policy because adding this measure will make it harder for attackers to guess the system's password by guessing manually or using a brute force attack. By doing this, each employee should set and have their own password and the admin password should be changed from default to a strong password that only authorized users have access to.

Firewall maintenance is a must for every organization as it could serve as a very strong first level of defense if configured correctly. Implementing a firewall with the correct rules and updating frequently can stop attackers from accessing private information and data by studying incoming traffic and stopping abnormal traffic from passing through.

Implementing the multifactor authentication doubles down on our password policy. I recommend implementing this because by adding this users will have to verify themselves using information that only pertains to them. It could be a one time code, biometric information or an answer to a personal question. By having this it makes it harder for an attacker to access an organization network without being an authorized personal.

