

Security risk assessment report

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

We suggest in implementing these three network hardening methods to improve security:

1. Firewall maintenance
2. Multifactor authentication (MFA)
3. Password policies

Part 2: Explain your recommendations

Firewall maintenance will address the vulnerability of potential threats gaining access to the network and be at risk of DDoS attacks. Firewall rules can be updated in response to an event that allows abnormal network traffic into the network.

Multifactor authentication (MFA), This additional layer of security significantly reduces the risk of unauthorized access, even in the event of compromised passwords. This method can reduce the instance of password sharing since only authorized personnel has access to the added security measure.

Password policies will educate employees on the proper creation of passwords and help protect against brute force attacks and similar security events.