

Security risk assessment report

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

The company can use following tools to mitigate future risks:

1. Firewall- Although the company have a existing firewall, it needs to be configured to manage the incoming the traffic.
2. MFA- Requires users to use more than one way to identify
3. Password policies - impenlmenting strong password policies will help in reducing attacks related to weak passwords etc

Part 2: Explain your recommendations

Port filtering will be helpful for network's overall security as it will only allow network to communicate via predetermined ports which reduces the attack surface that a potential threat actor can exploit.

Enforcing MFA will bolster companies' defence. MFA will require every user to provide another factor of proving their identity.

By implementing a strong password policies, the company can reduce a large number of attacks/incidents relating to weak passwords. Employees will be required to create strong passwords of varying complexity. Moreover, strong password policy will also discourage employees from sharing their passwords.