

# Security risk assessment report

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

- Firewall Maintenance
- Multi-Factor Authentication
- Password Policies

## Part 2: Explain your recommendations

**Firewall Maintenance:** Firewall maintenance is a type of hardening tool we can use to check and update security configurations regularly. Firewall maintenance regularly plus it prevents different kinds of DOS attacks.

**Multi-Factor Authentication:** MAF can help protect against brute force attacks as it requires a user to verify their identities in two or more ways to access the system. MAF can be implemented any time and mostly set up once then maintained.

**Password Policies:** Password polies such as the use of salting and hashing rather than requiring the user to use complex password that need to be updated regularly can help prevent stealing of passwords to gain access to the organization's network.