

Security risk assessment report

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

To harden the security of the organization I would implement the following methods.

First implementing better password policies for protecting against brute force attacks using the basic method and also against dictionaries.

Second, using MFA(multi-factor authentication) which verifies two or more ways to access the system or network.

And third, adding network access privileges, that will reduce the risk of unauthorized users and outside traffic from accessing the internal network.

Part 2: Explain your recommendations

Implementing stronger password policies would improve the security by making brute force attacks less likely, by for example having a limited number of attempts before the account is blocked or making it at least 8 digits with a capital letter.

MFA would also improve the security against brute force attacks because it is much more difficult when you have to authenticate in more than one way. It would also reduce the likelihood of people sharing the password since you need additional authentication.

Putting network access privileges would reduce the likelihood and the consequences of unauthorized users accessing the internal network. This would protect the network from malicious actors.