Security risk assessment report

Part 1: Select up to three hardening tools and methods to implement
The tools the organization can use is: 1. Password policies – Enforcing these policies will ensure that there is no default password are present from the personal to admin passwords. One can have a set of rules to concrete this like alphanumeric, symbols, length and a measure where one cannot use their full name as part of their passwords or sequence alphanumeric are used. 2. Multi-factor Authentication – Using at least two ways to authenticate users to ensure hierarchy and permissions are assessed before authorizing. This includes passwords, ID cards etc. 3. Firewall maintenance – Having regular maintenance care can ensure that the organization have updated response to events that allow network traffic. This can be used to be protected from DDoS attacks

Part 2: Explain your recommendations
1. Password policies – Having these policies in place will make the organization impenetrable to access through a password because of the standards and complexity of the password don't contain full names, sequence of alphanumeric. The periods of having a password for a certain time makes it even more difficult as it changes frequently every quarter for example as an enforcement. 2. Multi-factor Authentication – This can be a step further after a password where one can access an MFA auth application to produce the same pin as viewed on the screen. This ensures that the user is the one on the pc and trying to access the applications at real time. So even

if the password would be cracked, the MFA would be an extra security layer to stop attackers from hacking again.

3. Firewall maintenance – regular maintenance help network admins rules to have the most updated standards for any network traffic trying to access the organization. With firewall rules in place, this can block any malicious, to date, attacks upfront as frontline defenders. Attacks like DDoS and DoS can be avoided and up to date standards can protect the organization from being attacked