

# Security risk assessment report

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

As per the vulnerabilities present in the organization, 3 hardening tools to reduce attack surface and minimize potential threats would be,

1. Configuration checks
2. Port filtering
3. Multi Factor authentication

## Part 2: Explain your recommendations

The vulnerabilities present in the organization are sharing of passwords, weak database password, poor traffic filtering in firewall and no single level authentication. To overcome weak database password, configuration checks ensure that encryption standards for data in database is maintained. For sharing of passwords and no MFA, MFA is implemented to bolster security. Lastly, port filtering is implemented in firewalls to filter traffic through network.