

# Security risk assessment report

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

Password policies  
Firewall maintenance  
Multi Factor Authentication

## Part 2: Explain your recommendations

The password policies need to be reiterated as passwords are confidential information that cannot be shared among employees. The NIST's password policy recommendation for salting and hashing the password needs to be implemented. The Firewall maintenance entails checking and updating security configurations regularly to stay ahead of potential threats. Firewall rules can be updated in response to an event that allows abnormal network traffic into the network. A security measure which requires a user to verify their identity in two or more ways to access a system or network. MFA options include a password, pin number, badge, one-time password (OTP) sent to a cell phone, fingerprint, and more.