

# Security risk assessment report

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

Multi Factor Authentication, Firewall Maintenance and new Password Policies

## Part 2: Explain your recommendations

Implementing Multi Factor Authentication (MFA) is critical for preventing unauthorized access. By requiring multiple forms of verification, MFA adds an additional layer of security beyond just passwords, making it much harder for attackers to compromise accounts. Regular firewall maintenance ensures that security rules are consistently updated and enforced, preventing malicious traffic from entering the network. This proactive measure can significantly reduce the risk of data breaches by blocking unauthorized access attempts. Lastly, robust password policies will enforce the use of complex, salted, and hashed passwords, reducing the effectiveness of brute force attacks. These policies will also educate employees on the importance of maintaining password security and discourage password sharing. Implementing these methods will collectively strengthen the organization's network defenses and reduce the likelihood of future security incidents.