

# Security risk assessment report

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

1. Firewall rules should be properly configured and updated
2. Multi-factor authentication should be implemented
3. Frequent patch updates

## **Part 2: Explain your recommendations**

Configuring a firewall properly to ensure incoming and outgoing traffic is a very important network security measure for an organisation. It blocks malicious traffic coming into a network such as an unknown IP address scanning for open ports, and blocks outgoing traffic such as sensitive information leaving the network.

The use of multi factor authentication such as biometric verification should be implemented. This will discourage employees from sharing passwords and also verify the admin before access is granted to the admin page.

Ensuring regular updates are made on a network will help find out vulnerabilities and attack surface on a network, and also help with corrective measures that will help secure and strengthen the network