# Security risk assessment report

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| **Part 1: Select up to three hardening tools and methods to implement** |
| 1. Multifactor Authentication (MFA) 2. Network log analysis 3. Firewall maintenance |
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| **Part 2: Explain your recommendations** |
| Multifactor Authentication (MFA) ensures that while employees are using default and easy to crack passwords, there is still another step in authenticating the validity of the user. If the threat actor has an employee password, they still need to get through another layer of security before accessing the data.  Network log analysis is extremely versatile, and can be used before, during or after an incident occurs, to monitor network traffic. Common network analysis tools are SIEM tools.  Firewall maintenance entails checking and updating security configurations to stay ahead of potential threats. This task consists of regularly updating configurations and can be updated in response to an event that allows abnormal network traffic. This method helps protect against DDoS attacks |