# Security risk assessment report

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| **Hardening Tools and method the enterprise needs to implement** |
| We can use 3 hardening tools, to have better solutions to the Enterprise’s problem. We have seen that the organization has these problems :   1. The organization’s employees' share passwords. 2. The admin password for the database is set to the default. 3. The firewalls do not have rules in place to filter traffic coming in and out of the network. 4. Multifactor authentication (MFA) is not used.   To patch these problems, we have solutions :   * Use Password policies, The National Institute of Standards and Technology's (NIST) latest recommendations for password policies focuses on using methods to salt and hash passwords, rather than requiring overly complex passwords or enforcing frequent changes to passwords. * Use MFA, 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. * And make Firewall maintenance, Firewall maintenance entails checking and updating security configurations regularly to stay ahead of potential threats. |
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