# Security risk assessment report

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| **Part 1: Select up to three hardening tools and methods to implement** |
| The social media organization can harden their security practices by:   1. Port filtering to avoid unwanted and malicious communications 2. Stronger authentication mechanisms to prevent access by threat actors 3. Encrypting data sent in transit over the network |
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| **Part 2: Explain your recommendation(s)** |
| Port filtering can block off communications with malicious actors and prevent any unwanted messages. Since open ports tend to accept incoming messages, it makes sense to block certain ports to. In the event a large packet arrives, no crashes or errors will occur.  Implementing stronger forms of authentication like MFA will be effective against brute force or spoofing attacks. It also ensures the loss of one password isn’t enough to compromise the security of the system.  Encryption is a basic measure that can prevent a lot of attacks from causing damage to systems. It is easier than ever to use secure protocols like HTTPS, and adopt public key infrastructures. Doing so increases the chance of preventing data falling into the hands of unverified groups. |

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