Network Security Hardening

Section 1: Select up to three hardening tools and methods to implement

For this specific social media organization, these are the three hardening tools I would suggest:

- The implementation and maintenance of a firewall.

- The introduction of a (MFA) system for all company employees.

- The inclusion of password policies for all users, especially admin users.

Section 2: Explain your recommendations

The reason I would recommend each of these tools for this social media organization is as follows:

- The implementation and maintenance of a firewall is crucial to an organization's safety as it is able to filter network traffic based on a set of rules. Consistently updating the firewall helps organizations stay ahead of potential threats and prevent events such as DDoS attacks.

- The introduction of a (MFA) system for all company users (including admin users) will hopefully nullify any brute force attacks from malicious actors. Requiring a second authentication method allows the employees to share passwords while ensuring that another personal system protects their accounts.

- For users/systems that would be hard to implement MFA (admin login for databases/server), having a unique password that has a certain level of complexity is a must-have. This ensures malicious actors are not able to access the organization's databases using the default password for admin. This also helps protect against brute force attacks .