



Minimizing Cyber-threats

A cyberattack is the deliberate exploitation of the organization's systems or network by malicious attackers.

In order to breach a person's computer, logic, or data, steal or leak information, or even hold your data hostage, cyberattacks utilize malicious software.

Common cyber-attacks within organizations include:

- Password sniffing
- Altering websites.
- Threats coming from within
- Extortion, fraud, and identity theft.
- Stolen equipment, such as laptops, iPads, and cell phones.
- An access violation.
- System intrusion
- Web browsers for private and public use.
- Viruses, Trojan horses, spam, phishing, and malware.
- Instant messaging.
- Theft of intellectual property.

For Organisations' to be successful in securing their data and online presence, they must be aware of the dangers posed by cyberattacks and the required safety measures that need to be implemented.

This is further compounded by the level of data security requirements embedded in key data legislations and regulations across nations for example the General Data Protection Regulation and in Kenya the Data Protection Act.

Some safety measures include:

- 1) Regularly create secure data backups.
- 2) Encryption of private data.
- 3) Regularly educating and training stakeholders in the organization, such as employees and suppliers, about cybersecurity.
- 4) Making good use of robust, complicated passwords and routine password changes.
- 5) Ensuring that software and security systems are frequently updated to address emerging risks.
- 6) Create guidelines for how often changes should be made.
- 7) To prevent malicious assaults, powerful firewalls should be implemented.
- 8) Enhancing Wi-Fi security
- 9) Enhancing endpoint security.



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To help you review whether you have sufficient and effective controls in place around the aforementioned measures, the MGK internal audit team is prepared to support you through risk-based audit assurance. Please feel free to reach out to us on:

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