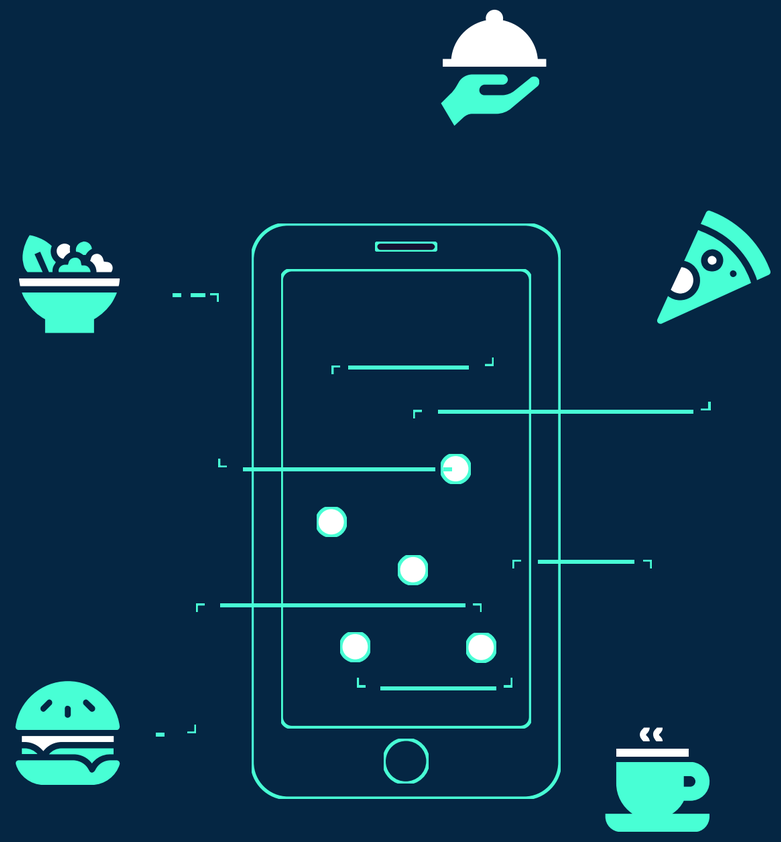
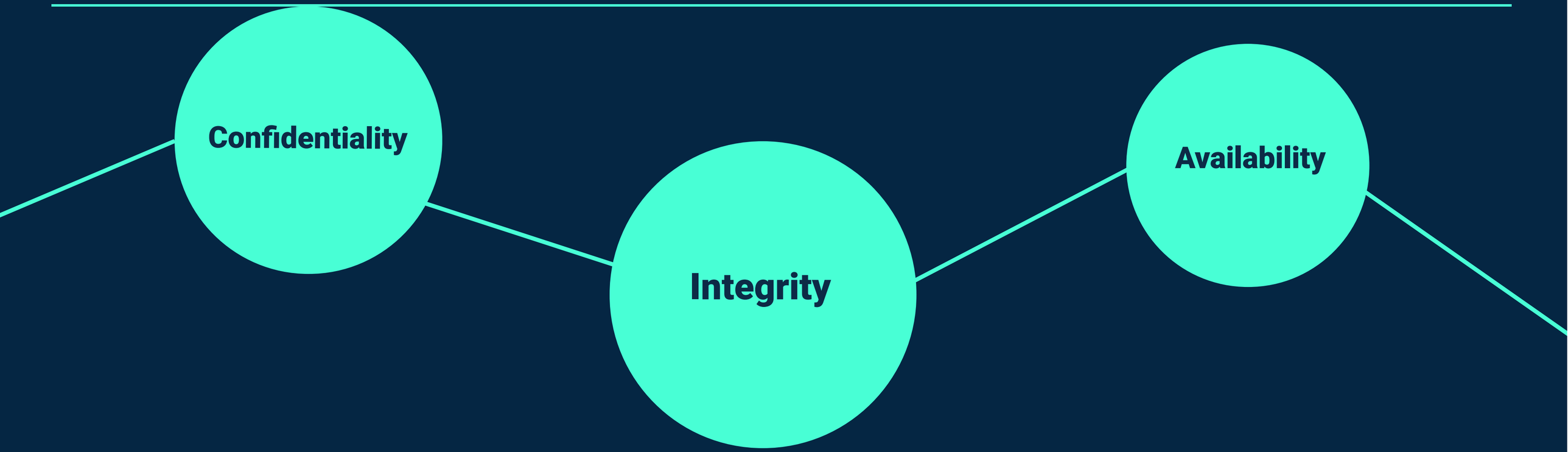
What is the CIA triad?



CIA triad

The CIA triad provides a high-level framework for cybersecurity professionals to consider when auditing, implementing, and improving systems, tools, and programs for organizations. It is a powerful way to identify weak points and form solutions to strengthen policies and programs.

The three elements of the triad

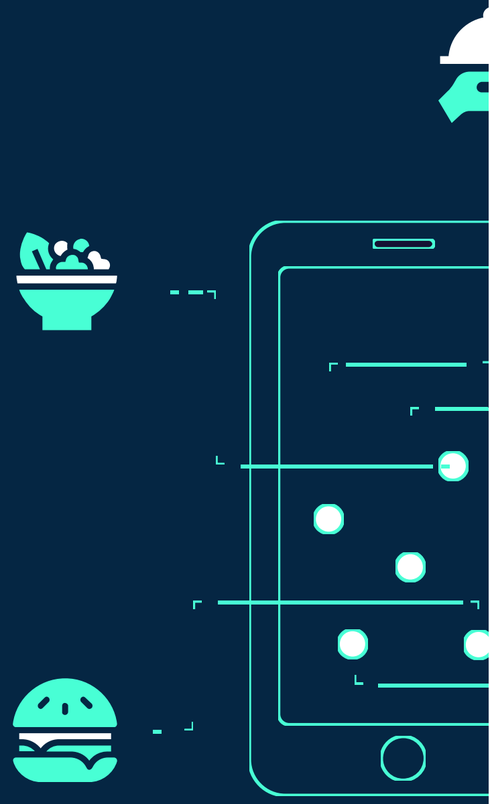


Confidentiality

Confidentiality involves protecting sensitive data private and safe from unauthorized access. This includes protecting information from bad actors with malicious intent, as well as limiting access to only authorized individuals within an organization.

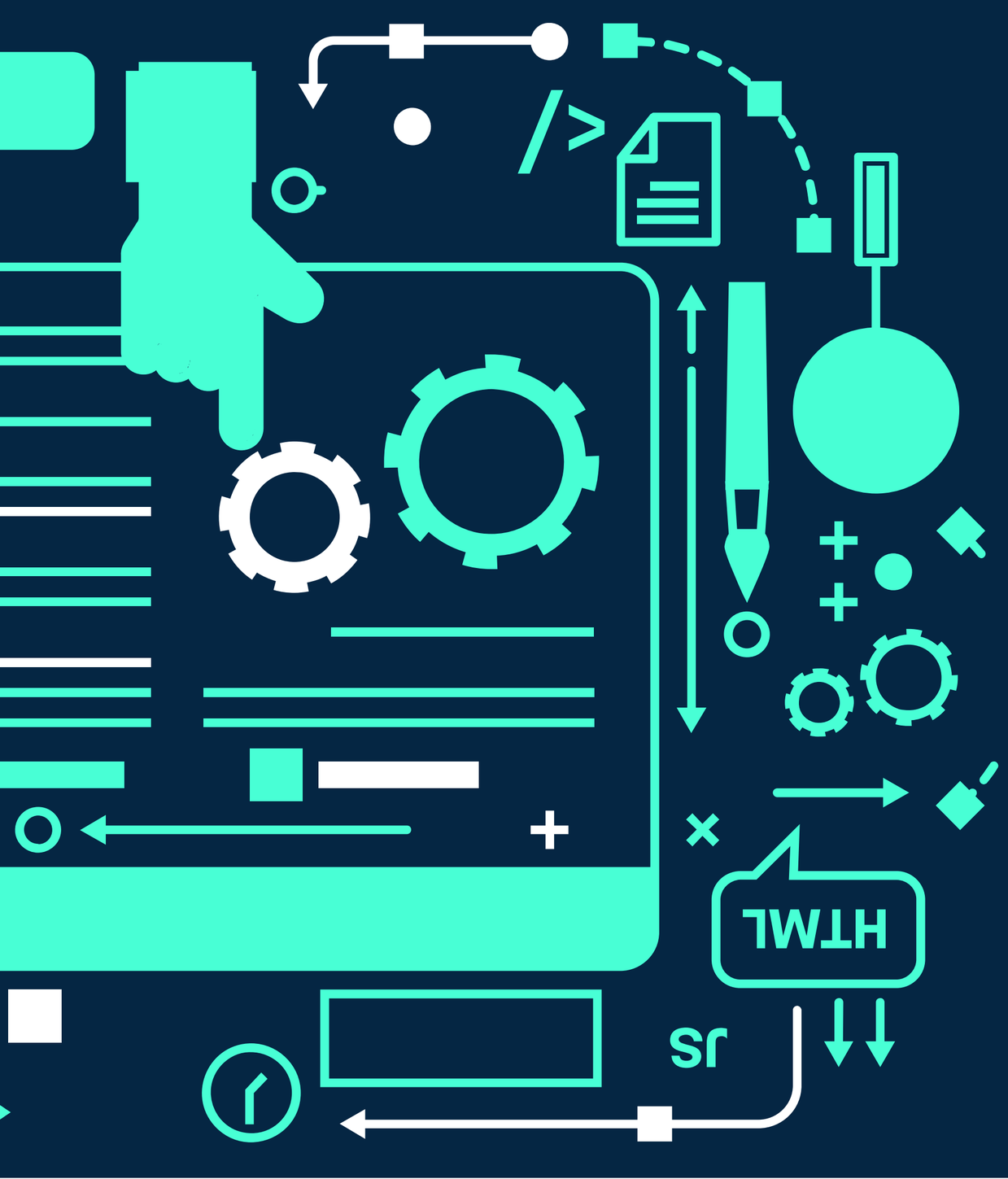
Integrity

Maintaining data integrity is important to make sure data and business analysts are accessing accurate information. Data shown to the public must also maintain integrity so that customers can trust the organization. A system with integrity keeps data safe from unnecessary changes, whether malicious or accidental. Cybersecurity professionals might implement access levels, enable tracking when making changes, and protect data when transferring or storing it.



Availability

Availability refers to the idea that the people who need access to data can get it—without affecting its confidentiality or integrity.
Example You want the recipients of that email you sent to be able to access it, display it, and even save it for future use.



Why is computer security important?

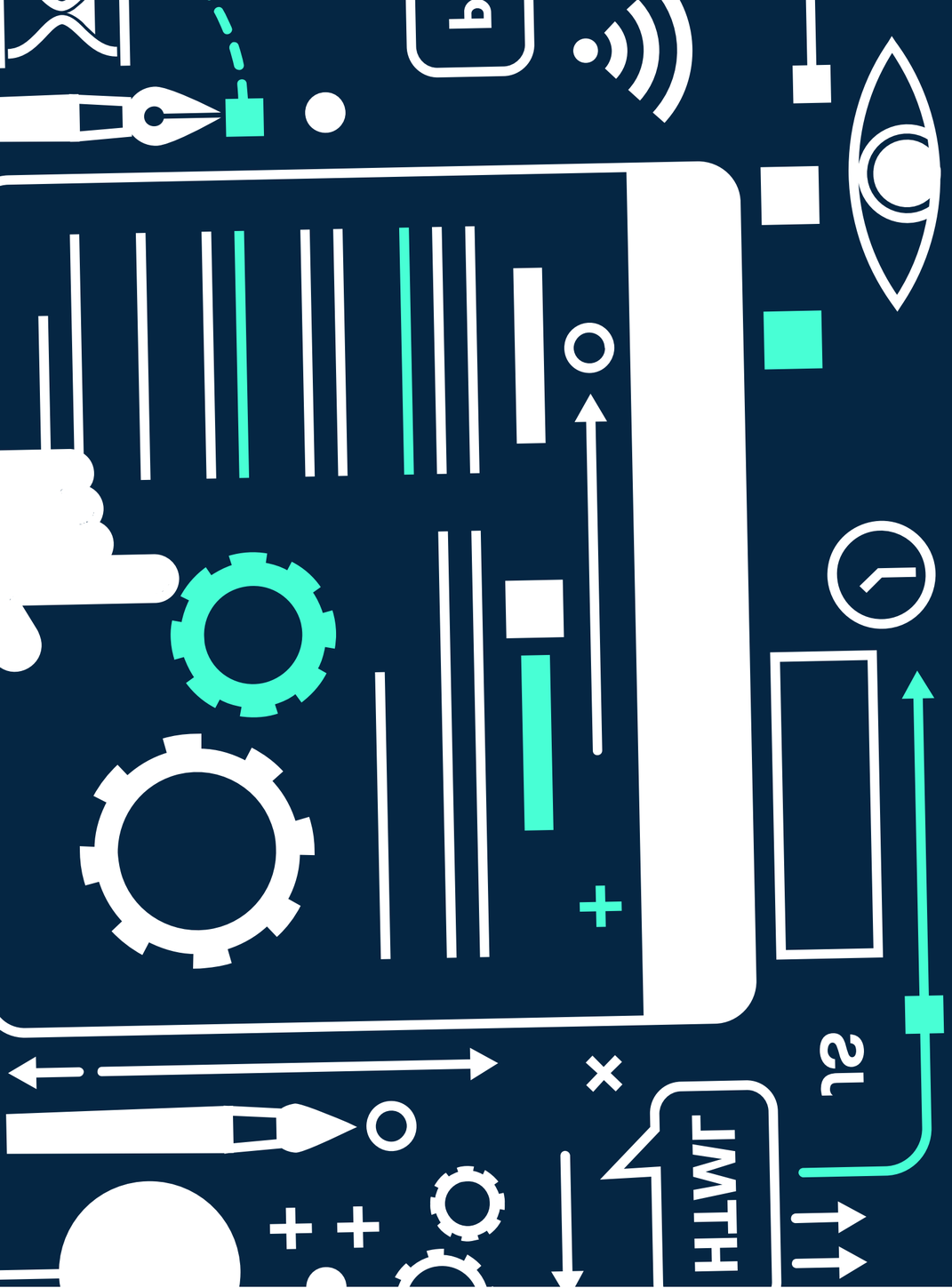
It’s important to keep your computer secure for several reasons.

- First, you likely have sensitive information about yourself, or your customers that must be protected and kept confidential.

- Second, every computer, or “endpoint”, is a potential gateway into the rest of your home or company network. If your computer is compromised, you jeopardize the security of all information stored across your entire network.

Maintaining proper computer security ensures your computer’s overall health. It helps prevent viruses and malware, which can dramatically slow down or cripple your computer completely.

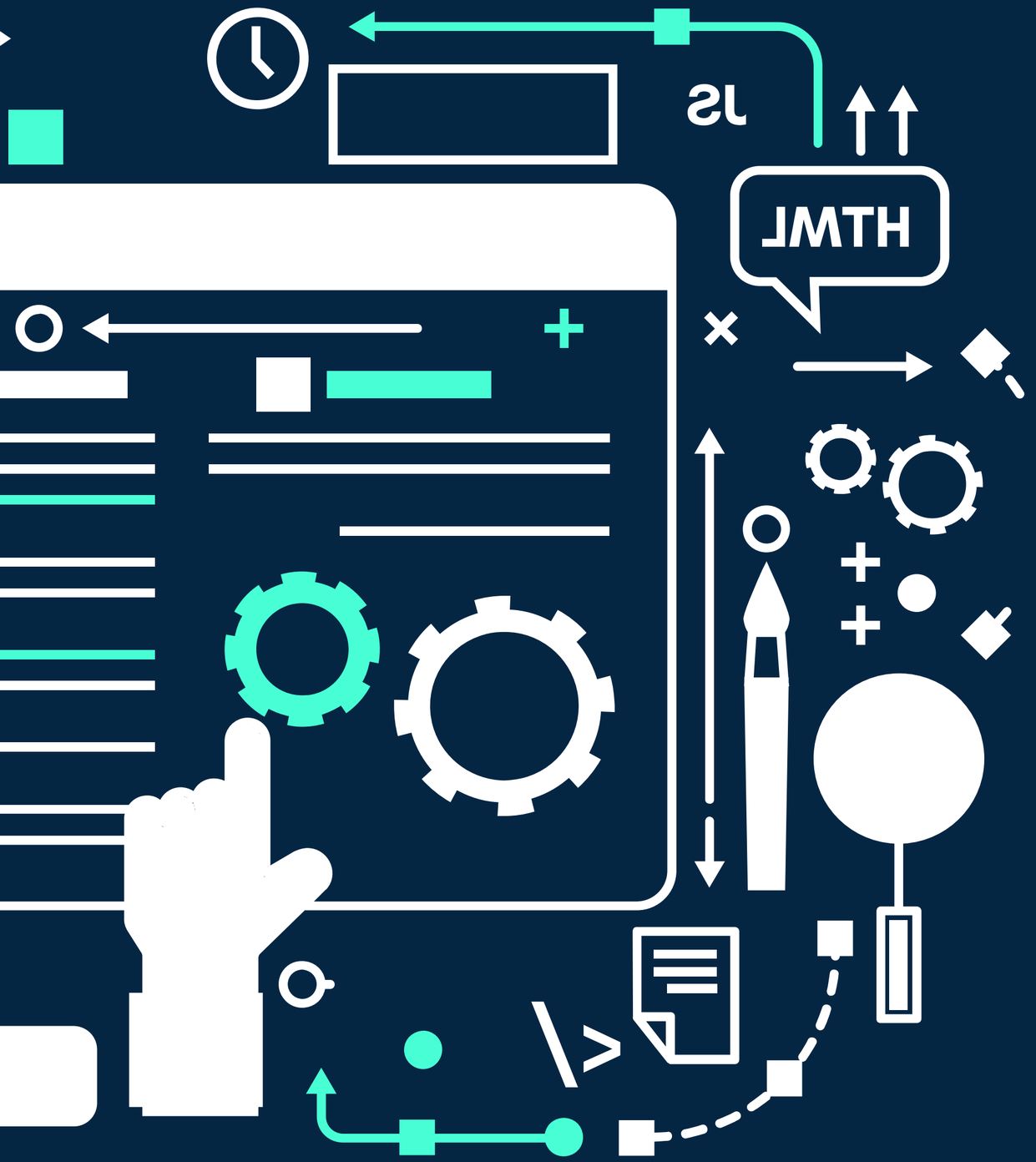
SOMEONE FAMOUS



What is information security

Information security is the practice of protecting information by mitigating information risks. It involves the protection of information systems and the information processed, stored, and transmitted by these systems from unauthorized access, use, disclosure, disruption, modification, or destruction. This includes the protection of personal information, financial information, and sensitive or confidential information stored in both digital and physical forms. Effective information security requires a comprehensive and multi-disciplinary approach, involving people, processes, and technology.

—SOMEONE FAMOUS

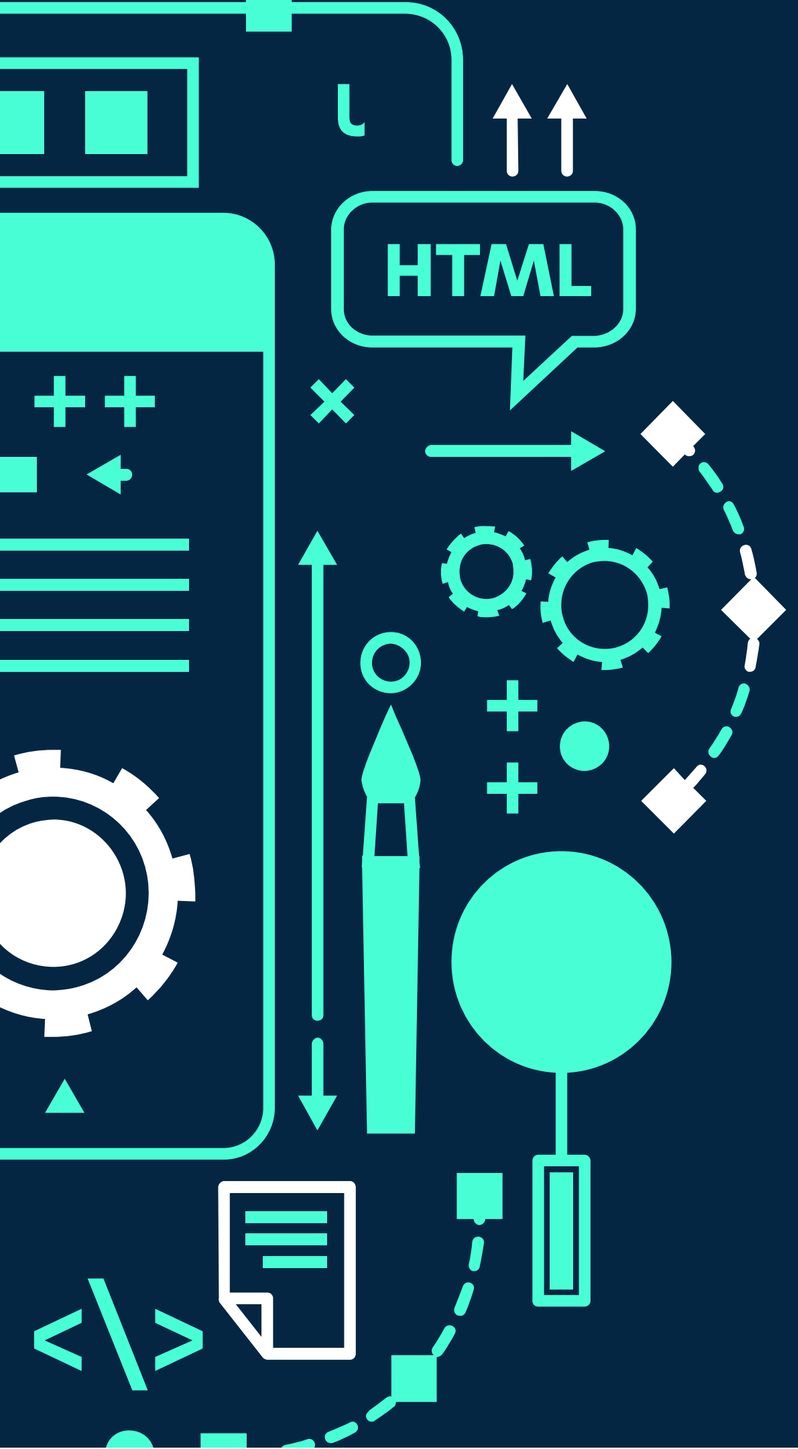


What is the difference between computer security and information security?

Information security is about the protection of information within organisations, including data ranging from customer data to internal data. Information security, on the other hand, is related to the protection of computer systems, including mobile and other devices, servers, networks and computers.

protection of the data itself (information security)
protection of devices and appliances (computer security).

—SOMEONE FAMOUS



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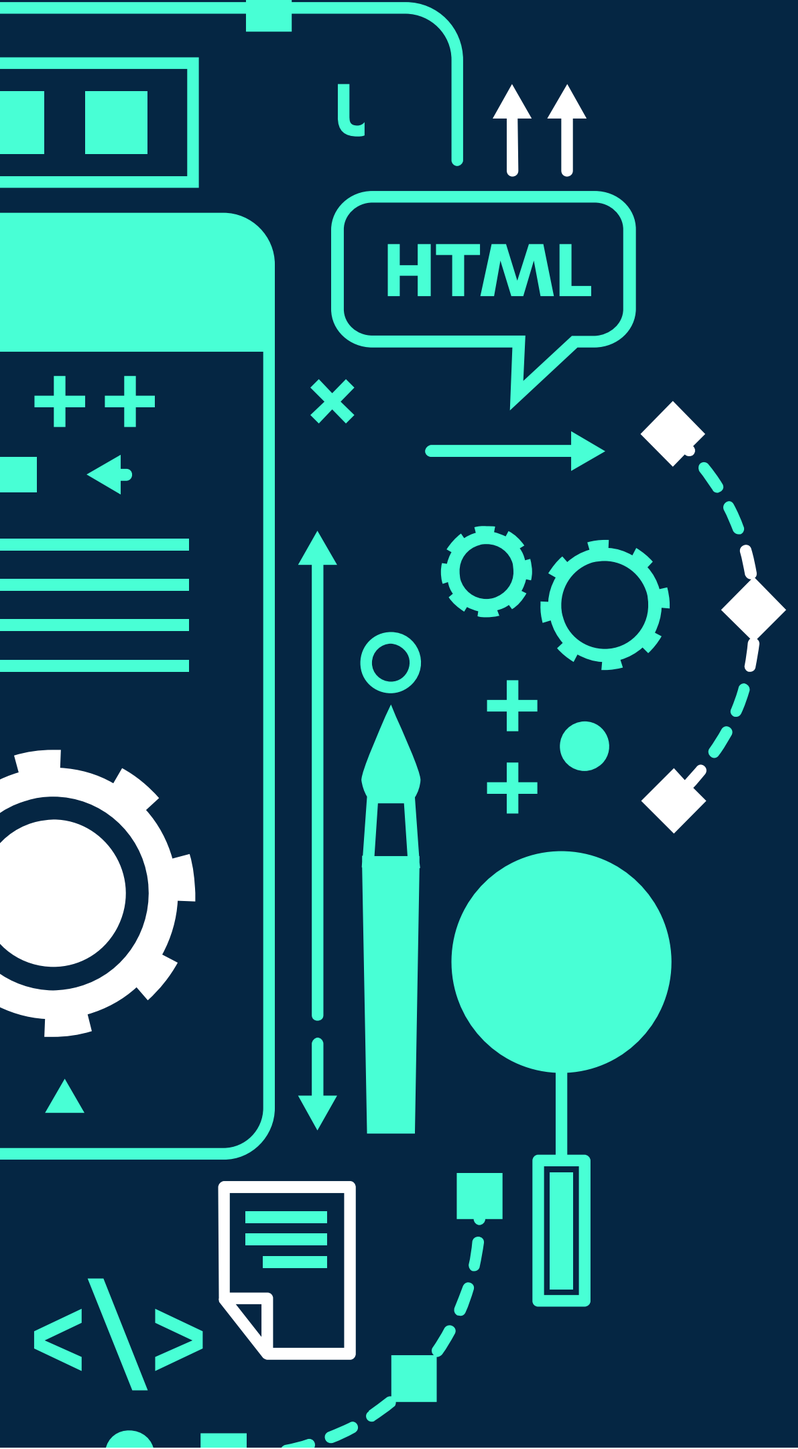

THANKS!

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