



Many believe that Information Security is the same as Information Technology and that the members of their IT department handle all the responsibilities covered by these two sectors. This is simply not true.

Although both fall under the broader domain of information management, they are two very distinct fields.

## DIFFERENCES

Information Technology is the area of expertise of skilled professionals who utilize a variety of tools and processes to enable organizations to collect, manage, and process their information efficiently and effectively.



Information Security is a specialized field that involves trained specialists who employ various tools and processes to safeguard an organization's information against unauthorized access, use, disclosure, or destruction.



Ensure technology is working correctly, so people can access and use information effectively



### Objective



Ensure information is safe and secure, so it doesn't fall into the wrong hands or get lost

CIO (Chief Information Officer)

Oversees and works within the IT Department

Hands-on IT position



CSO/CiSO (Chief Security Officer/ Chief Information Security Officer)

> Reports to and works with the CEO

Decision making and strategy position









Creating and implementing network infrastructures	Identifying and assessing information security risks
Managing databases	Managing identity and access controls
Applying tools to manage inbound and outbound communication	Conducting security audits and assessments
Training end-users in Best Practices like email education and password management	Developing and implementing security policies and procedures
Managing hardware and operating system patches, upgrades and updates	Monitoring and responding to security incidents
Providing technical support to end-users	Ensuring an incident response plan is in place
Ensuring system uptime and reliability	Ensuring compliance with relevant laws and regulations

## Information Technology

# Information Security

- Increased business productivity and efficiency.
- Improved communication and collaboration throughout the organization.
- Competitive advantage
  through implementation of advanced technologies.
- Cost savings through enhanced business practices.
- Increased business scalability to adapt to market change.

#### - Benefits -

- Minimize risk of data theft, tampering, or deletion.
- Secure and discrete handling of data by employees, vendors, and third-parties.
- Business operation under the proper security measures.
- Compliance with governmental and regulatory authorities.
- Help prevent costly downtime, penalties, cyber crime damages, and loss of reputation.

### Why are both essential to modern businesses?

Both Information Technology and Information Security are important for modern businesses as they rely on information to operate efficiently.

Information Technology is needed to create, store, and access information for maximum productivity, while Information Security is necessary to keep that information safe and out of the wrong hands.

#### Information is power but only when it is protected.

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