



INFORMATION SECURITY & Cybersecurity

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What is the Difference?



INFORMATION SECURITY

VS.

CYBERSECURITY

WHAT IS INFORMATION Security

*A set of practices and protocols
and technologies used to protect
sensitive information from
unauthorized access, use,
disclosure, disruption,
modification, or destruction*

■ Importance ?

- To prevent misuse of data.
- To ensure business continuity and trust.



INFOSEC

■ Protected information may take any form, such as :

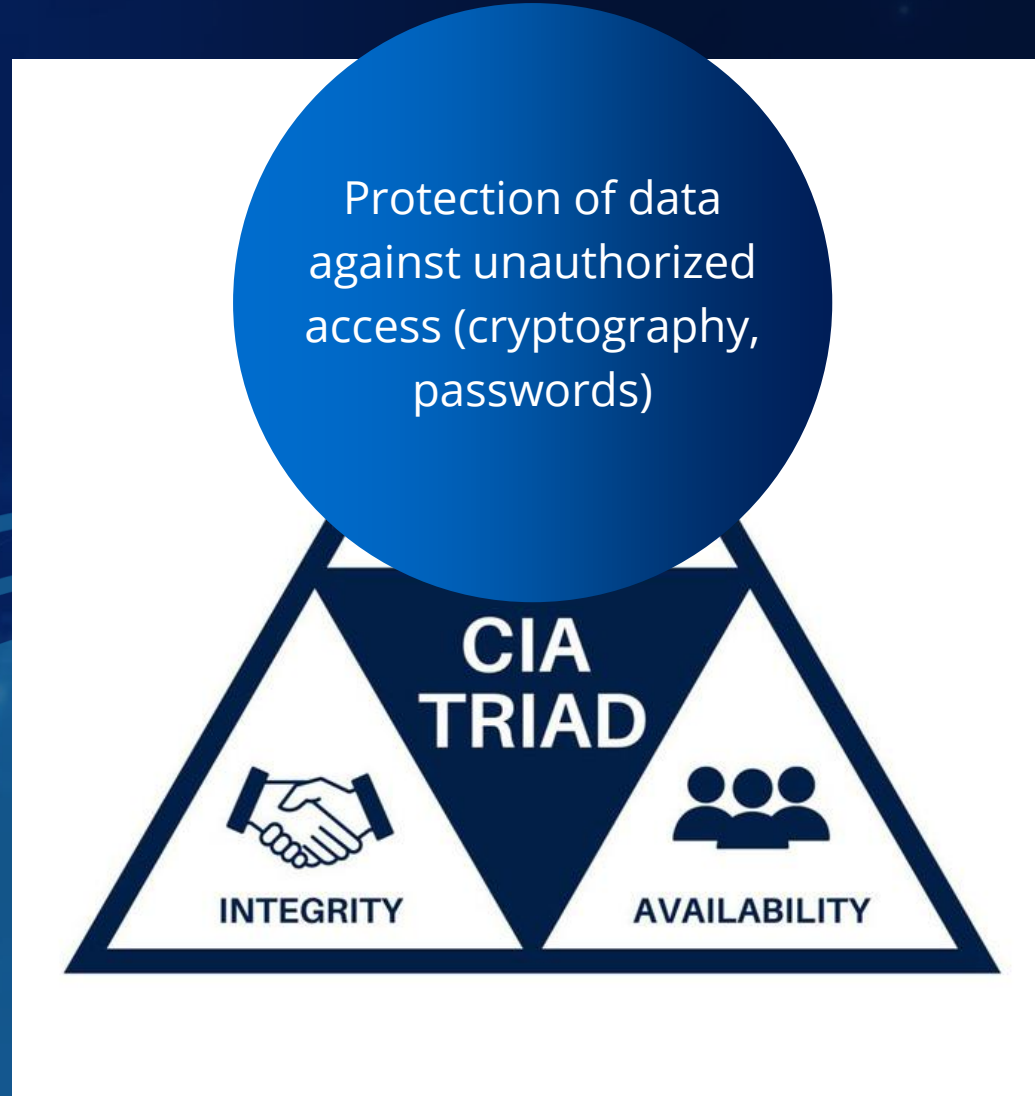
- electronic or physical
- tangible or intangible



INFOSEC FUNDAMENTALS



INFOSEC FUNDAMENTALS



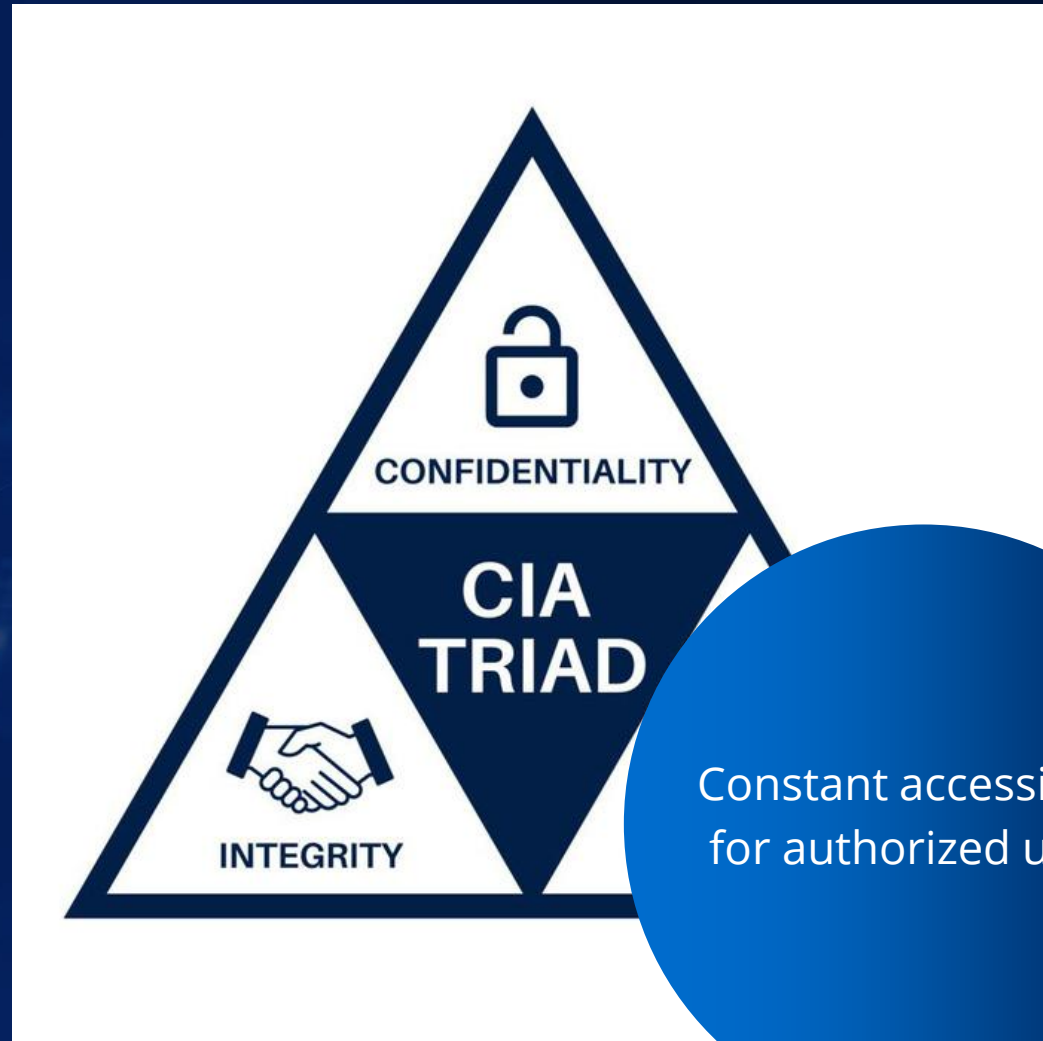
INFOSEC FUNDAMENTALS



Maintaining
Accuracy, making
sure that data is not
tampered with



INFOSEC FUNDAMENTALS



Constant accessibility
for authorized users



WHAT IS CYBERSECURITY?



WHAT IS CYBERSECURITY?

Cybersecurity refers to the practices and measures taken to protect computer systems, networks, and sensitive information from unauthorized access, use, disclosure, disruption, modification, or destruction

TARGETS OF CYBERSECURITY THREATS INCLUDE



Networks

Devices





Applications



TARGETS OF CYBERSECURITY THREATS INCLUDE



COMMON TYPES OF CYBER THREATS

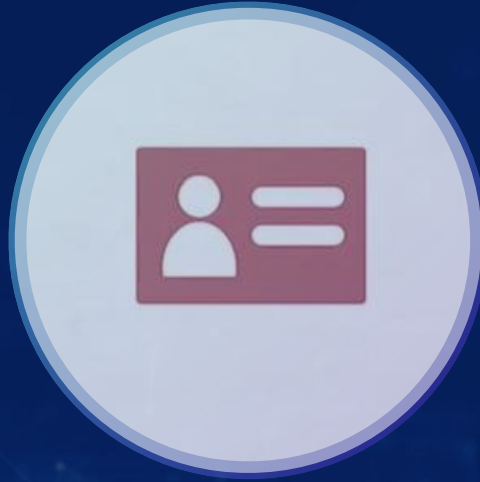


Data breaches

Identity theft



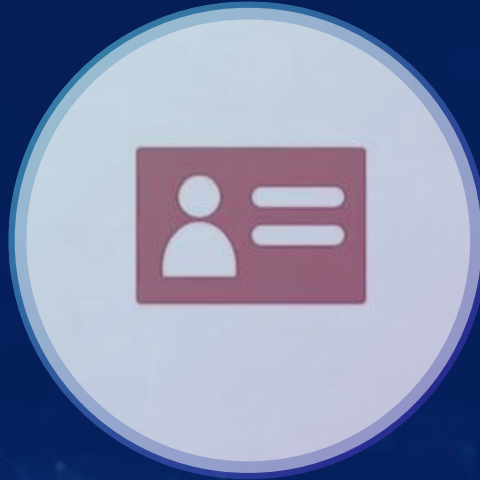
Malware



Ransomware



Phishing attacks



Social engineering



COMMON TYPES OF CYBER THREATS



SPECIALIZED AREAS OF CYBERSECURITY

Application security



Network security



Cloud security



Data loss prevention (DLP)



Identity and Access Management (IAM)



Mobile and endpoint security



SPECIALIZED AREAS OF CYBERSECURITY





THREE KEY COMPONENTS OF CYBERSECURITY



People



- End-users: Understand best practices, data backup, training.
- Professionals: Roles include CISO, engineers, architects, analysts.



Processes



- Business Continuity & Disaster Recovery frameworks.
- Policies: Password rules, mandatory updates.



Technology



Tools: Firewalls, anti-malware, DNS filters, intrusion detection.



THREE KEY COMPONENTS OF CYBERSECURITY



BRIDGING THE GAP BETWEEN INFOSEC AND CYBERSECURITY





CONCLUSION



**THANK YOU FOR
YOUR ATTENTION**