

## 1. What is Information Assurance

Information assurance is an approach of managing and securing data and information assets. These measures include policies and strategies in making the information more secure and reliable. The main goal of information assurance is to manage information assets and allow information recovery in case of loss of information.

According to Marget, A. (2022), it is the process of protecting information and controlling risks associated with its use, processing, storage, and transfer. Information assurance protects user data's confidentiality, availability, integrity, authenticity, and non-repudiation.

## 2. What is Information Security

Information Security is a sub-part of Information Assurance. It focuses on securing the information and data. It protects data breaches, theft, unauthorized access and other malicious threats. According to Lynnemurray (2023), Information Security is a collection of instructions for using IT resources that people must follow. To guarantee that staff members and other users follow security standards and processes, businesses might develop information security policies. Only authorized individuals are supposed to have access to sensitive systems and information, according to security regulations.

## 3. What similarities and differences do these two concepts have?

### Similarities

- Both have the same goal, protecting and securing information assets.
- Implement information security measures to avoid data and information breach, theft, and loss.
- It ensures information reliability and integrity.

### Difference

- Information Assurance ensures the overall quality and reliability of the information. Information security focuses on the measures of protecting the information from unauthorized access, breaches, and etc.

## References:

Marget, A. (2022). Information assurance: defined, explained and explored. *Unitrends*.  
<https://www.unitrends.com/blog/information-assurance>

Lynnemurray. (2023, March 14). *What is Information Security | Policy, Principles & Threats | Imperva*. Learning Center.  
<https://www.imperva.com/learn/data-security/information-security-infosec/>