

Hello friends! In this video, we will learn about Cyber Security, Information security and the difference between them.

Let us understand Cyber Security!

Cyber security refers to protecting systems connected to the internet from threats in cyberspace. It involves protecting software, data, and hardware from cybercriminals and prevents gaining access to devices or networks.

So, what is Information Security?

Information security is a set of practices designed to keep data secure from unauthorized access and alteration during storing or transmitting from one place to another.

Let's discuss the difference between Cyber Security and Information Security.

- Cyber Security prevents attacks related to data, storage devices, software etc. in cyberspace while Information Security protects data from any form of threat
- Cyber Security covers online threats while Information security covers all data related threats.
- Cyber Security is closely related cybercrimes, frauds and law enforcement related crimes while Information security deals with unauthorized access, disclosure modification and disruption of any kind of data.

- Cyber Security includes social media accounts, personal mail, application data, etc. while Information security includes all the data stored in your computer or in transit.

Information security can be characterized by CIA Triad. CIA stands for Confidentiality, Integrity, and Availability.

- **Confidentiality is the** practice of keeping sensitive information private unless the owner or custodian of the data gives explicit consent.
- **Integrity** relates to the reliability of data and requires that any attempt to alter it must be detectable.
- **Availability** ensures that data can be accessed whenever needed and will continue to function when required.

Now it's time to know some of the recent attacks, that happened in India.

1. Data Breach Happened with Air India, where the database of customers, had suffered a massive security breach of 4.5 million records, which includes Customer Name, Contact Information, Date of Birth, Ticket Information, Passport Information and Payment details.

2. The Indian Computer Emergency Response Team (CERT-In) has flagged several bugs in Chrome OS and Mozilla products that may put various sensitive data at risk.

The bugs could allow a remote attacker to disclose sensitive information, bypass security restrictions, execute arbitrary code, perform spoofing attacks and cause a denial of service (DoS) attack on the targeted system.

3. The cyber-attack of Ransom that occurred on public sector Oil India Limited (OIL), was carried out by Russian malware planted from a server in Nigeria.

4. Ransomware attack is spreading in India very fast making India, one of the most targeted region. for Ransomware Attack.

Thank You

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