

Introduction to Computer

Lecture #29

- Topics
 - A computer network is mainly of four types
 - Internet and Working of the Internet
 - Intranet and Working of an Intranet
 - Key Differences Between Internet and Intranet
 - Similarities Between Internet and Intranet

A computer network is mainly of four types:

- 1) LAN(Local Area Network)
- 2) PAN(Personal Area Network)
- 3) MAN(Metropolitan Area Network)
- 4) WAN(Wide Area Network)

Definition Of Internet

- **Definition Of Internet**
- The **Internet** is a global network that establishes a connection and provides transmission between various computers. It uses both wired and wireless mode of communication to send and receive any information such as data, audio, video, etcetera. Here, data travels through “fiber optic cables”, which are owned by telephone companies.

Working of the Internet

- **Working of the Internet**
- The Internet is a network created by the interconnection of a large number of computer networks which is not owned by an entity.
- There is no central administration to the internet, any person in the world can join it.

Definition Of Intranet

- **Definition Of Intranet**
- An **intranet** is a part of the Internet that is privately owned by an organization. It connects all the computers together and provides access to files and folders within that specific network. It has a firewall surrounding the system to avoid the unauthorized user from accessing the network. Only authorized users have permission to access the network.

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Moreover, Intranet is used for connecting computers and transmitting data, files or documents within the firm. It is a secure way to share the details, materials, and folders as the network are highly secured and restricted within the organization. It renders various services such as email, search, data storage, et

Working of an Intranet

- ◉ **Working of an Intranet**
- ◉ However, an intranet is a private computer network but it uses internet protocols, network connectivity and possibly the public telecommunication system to access and share the organization's information and operations securely with its staff.

Key Differences Between Internet and Intranet

- Key Differences Between Internet and Intranet
- The Internet provides unlimited information which can be viewed by everyone whereas, in Intranet, data circulates within the organization.
- The Internet provides access to everyone. As against, intranet permits authenticate users only to access it.

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- An intranet is a private network that belongs to a firm or an institution. The Internet is not owned by any single or multiple organization.
- The Internet is available to all while, Intranet is restricted.
- An intranet is safer as compared to the Internet.

Similarities Between Internet and Intranet

- Similarities Between Internet and Intranet
- Both Internet and Intranet can be accessed using a browser.
- They use Internet Protocols for transferring data.
- Both of them are used to share information with the users over the network