

What are communication protocols

Computer networks are vital for modern digital communication. They enable smooth data transmission across global systems. Network protocols act as a crucial language, setting rules for effective device communication.

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In the realm of digital communication, understanding how data formats and protocols work together is essential for effective information exchange. Protocols like TCP/IP govern the transmission of data across networks, while formats ...

It consists of several protocols that control data transmissions on a network. The following are some examples of Layer 1 protocols: Ethernet (IEEE 802.3) - Widely used for wired networks. Wi-Fi (IEEE 802.11) - For wireless ...

Documentation: Maintain detailed logs of all communications, decisions, and actions taken during an incident.
External Communication Protocols External communication protocols address how an organization ...

Conclusion Both serial and parallel transmission have good and bad points. Serial Transmission works better for sending data over long distances. Parallel transmission is used for short distances and is faster. In the ...

It is a reference model that specifies standards for communications protocols and also the functionalities of each layer. The OSI has been developed by the International Organization For Standardization and it is 7 layer ...

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Layered architecture in computer networks refers to dividing a network's functioning into different layers, each responsible for a certain communication component. The major goal of this layered architecture is to ...

The data link layer is the second layer from the bottom in the OSI (Open System Interconnection) network architecture model. Responsible for the node-to-node delivery of data within the same local network. Major role is to ...

Conclusion In conclusion, while both the OSI Model and TCP/IP Model are essential for understanding network communication, they differ in their structure and practical application. The OSI Model provides a theoretical ...

The DICOM Communication Protocol is a global standard for managing, transmitting, and storing medical imaging data. It ensures devices like MRIs, CT scans, and X-ray machines communicate effortlessly with storage ...

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Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) both are protocols of the Transport Layer Protocols. TCP is a connection-oriented protocol whereas UDP is a part of the Internet Protocol suite, referred ...

For more details you can refer to Internet Protocol Version 4 and Internet Protocol Version 6. What is an IP Packet? An IP packets is the basic unit of data transmission in an IP network. It consists of a header and a payload: ...

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