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Difference between LAN, MAN, CAN, WAN

LAN, MAN, CAN, and WAN are all different types of computer networks, each with its own characteristics and capabilities. Here are the main differences between these types of networks:

1-LAN (Local Area Network):

A LAN is a network that covers a small area, such as a building or a campus. It is designed to connect devices that are located close to each other, typically within a few hundred meters. LANs are commonly used in offices, schools, and homes to connect computers, printers, and other devices. LANs can be wired (using Ethernet cables) or wireless (using Wi-Fi).

MAN (Metropolitan Area Network):

A MAN is a network that covers a larger area than a LAN, typically a city or a region. It is designed to connect multiple LANs together over a wider geographical area. MANs are typically used by businesses or organizations that have multiple locations in the same city or region.

CAN (Campus Area Network):

A CAN is a network that covers a university campus or a corporate campus. It is designed to connect multiple buildings or sites within a limited geographical area. CANs are typically used by large organizations that have multiple buildings or sites in close proximity to each other.

WAN (Wide Area Network):

A WAN is a network that covers a large geographical area, typically spanning multiple cities, regions, or even countries. It is designed to connect multiple LANs, MANs, and CANs together over a wide area. WANs are typically used by large organizations that have multiple locations in different parts of the world.

Overall, the main differences between these types of networks are the size of the area they cover, the number of devices they can connect, and the distance they can span. While LANs are small networks that connect devices within a few hundred meters, WANs are large networks that can span multiple cities and countries, connecting devices that are thousands of kilometers apart.