  Which of the following is a wireless topology that does not require the use of an access point?

Step 1: Answer with Explanation

Answer: ad hoc

Explanation

Wireless computers that interact directly with each other without the use of any gear other than their wireless network adapters are referred to as ad hoc topologies. As a result, there is no need for a router, an Internet connection, an access point, or a particular antenna with the ad hoc architecture.

Step 2: Explanation for incorrect option

A network topology in which each network component is physically connected to a central node, such as a router, hub, or switch, is known as a star topology. The centre hub functions as a server, while the connected nodes function as clients in a star topology.

A bus topology, also known as a line topology, is a network topology in which all network devices are connected by a single RJ-45 network cable or coaxial cable. The bus, backbone, or trunk refers to the single wire that transmits all data between devices.

To extend a wired LAN to incorporate wireless devices, an infrastructure topology is used. The devices in this architecture communicate with the wired LAN via an AP, which functions as a bridge between wired and wireless LANs (WLANs).