Communication between core switches and routers

data is done through routers. Routers know how the whole network is connected and how to move information from one art of the network to another. They free the end-nodes

The main objective of router is to connect various networks simultaneously and it works in the network layer, whereas the main objective of switch is to connect various devices simultaneously ...

This guide will help you understand the subtle differences between a network switch vs a router.

In addition to the inside-to-outside network functionality outlined above, home routers also act as a network switch. A network switch is a piece of hardware that facilitates communication ...

Learn the key differences between switching and routing, how they work together in telecom and data networks, and why both are critical for performance and security.

This guide dives deep into the difference between router and switch, explaining their core functions, how they operate at different layers of the OSI model, and why you absolutely need both ...

Understanding the fundamental components -- routers, switches, and virtual LANs (VLANs) -- is essential for anyone working with network technology. This comprehensive guide ...

Learn how routers and Layer 3 switches connect networks, route IP packets, and enable fast inter-VLAN communication in modern network designs.

Unlike access switches, which connect directly to end-user devices, the core switch focuses on aggregating and routing traffic between other switches, minimizing latency and ...

Learn inter-VLAN routing with step-by-step Cisco configs for router-on-a-stick and Layer 3 SVIs. Includes HSRP redundancy, DHCP relay, ACLs, and troubleshooting commands.

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