

Tor is the access switch



Overview

A ToR switch (Top-of-Rack switch) is a network switch installed at the top or upper section of a server rack. It connects all servers within the rack using short copper or optical cables and aggregates their traffic before sending it upstream to aggregation or core switches. Picture your data center's network as a sprawling highway system, where servers and devices are. Top of rack (ToR) which is also known as In-Rack design. While the name TOR implies that the switch is deployed at the top of the server cabinet, in reality, as shown in Figure 2-1, the switch can also. Top-of-Rack (ToR) switching stands as a testament to this transformation, elevating server communication, slashing latencies, and reconfiguring how data traverses enterprise environments. ToR isn't merely a matter of convenience or configuration.

Article Content

Top of Rack and End of Row

ToR design requires more switches but fewer numbers of cables, achieving easy cable management. In contrast, EoR design requires fewer switches compared to ToR design.

Next Steps Toward 10 Gigabit Ethernet Top-of-Rack Networking

Once you have accepted the need to move to 10GbE switching, your next decision involves choosing switching architecture: top of rack (ToR) or end of row (EoR). At the access layer, ToR has an



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