

The implementation of cloud computing for online sales reduces firewall effectiveness. The distribution of data and services across multiple locations in a cloud environment creates difficulties for defining and protecting a single network perimeter. The large network perimeter creates conditions that make it more likely for unauthorized access and data breaches and misconfigurations to occur. The traditional firewall system monitors only north-south traffic which includes inbound and outbound traffic, but it does not provide protection against east-west traffic within the network allowing internal threats to be undetected.

Sources:

Palo Alto Networks. "What Is a Perimeter Firewall?" Palo Alto Networks, <https://www.paloaltonetworks.com/cyberpedia>.

Microsoft. "Zero Trust Security Model." Microsoft Learn, <https://learn.microsoft.com/en-us/security>