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Ch. 10 Exercise #11

What are some firewall issues that might arise for a company that uses cloud computing in its online sales system?

As more organizations rely on cloud computing for crucial production systems, the need for security in cloud environments is increasing. Because the demand for security in cloud computing has risen so rapidly, the development of these firewalls for cloud security has staggered. Instead of establishing security policies for each server, these firewalls must enforce a single set of policies across all the servers in the cloud.

One problem in cloud environments is that the servers and databases in the cloud are started up and wound down as needed. Therefore, the type of identifiable servers that most firewall products are designed to protect do not exist in the same form in cloud server environments.

In the past, organizations could rely on perimeter-based security solutions to protect their assets. Organizations hosted their own infrastructure and kept all data safely within the physical boundaries. Monitor physical entry to the building an gate all connections with a firewall. However, then came the rise of cloud computing, mobile devices, and remote work all blurring the perimeter's edges.

In addition to firewalls installed on organization's networks, it is possible to install software-only firewalls on individual client computers. These firewalls are called personal firewalls. The use of personal firewalls has become an important tool in the protection of expanded network perimeters for many computers.

Sources:

https://www.grc.com/su-firewalls.htm

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