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Chapter 10 Written Exercise

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Exercise #11 – Using your favorite search engine or the resources of your library, identify firewall issues that might arise for a company that uses cloud computing in its online sales system. In about 100 words, summarize your findings in terms of the perimeter expansion problem.

Using cloud computing can bring about firewall issues due to the perimeter expansion problem, especially with remote work. Employees using personal devices make it hard to maintain firewall security. Specific cloud firewalls are needed for cloud servers because they operate differently from traditional servers. Managing cloud firewalls is complex, as configuring rules for numerous external devices is challenging. Additionally, relying on a single cloud firewall poses a significant security risk, as it could lead to a complete network failure, jeopardizing company information and other related data. Legitimate data can be flagged as harmful by cloud firewalls, causing work disruptions, and wasted time.

Sources: https://www.pomerium.com/blog/the-perimeter-problem/

https://www.helpnetsecurity.com/2019/04/18/secure-vanishing-perimeter/

https://www.infosecurity-magazine.com/opinions/remote-working-new-security/