

Written Exercise – Chapter 10

Using cloud computing in online sales systems comes with potential firewall issues.

One major issue is misconfiguration. Misconfiguration happens when controls or cloud compute assets are not set up correctly. Attackers may be able to commit fraud when there is a misconfiguration issue. They may manipulate prices and/or customer accounts.

Another issue is the limited visibility that cloud networks have. Companies can not easily see their network traffic, and it is hard for them to detect suspicious activity.

These issues cause the traditional network perimeter to no longer be fixed. This is referred to as the perimeter expansion problem which is where cloud services expand boundaries of the network. Expanding boundaries can decrease the security of firewalls.

Sources:

<https://www.otava.com/blog/avoid-these-cloud-security-pitfalls-and-headaches/>

<https://cloudsecurityalliance.org/blog/2025/02/03/top-threat-9-lost-in-the-cloud-enhancing-visibility-and-observability>