

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.

Companies using a cloud based system for their online sales would encounter several additional challenges due to the broadened scope required to secure cloud systems. When using a cloud system all of the data is stored off site through a different companies external servers. This idea of securing a larger border is known as perimeter expansion. Cloud computing muddies the waters of a traditional network perimeter since company resources can be accessed from anywhere. When utilizing the cloud, the company has to ensure they are using a compatible firewall that can deal with this alternate method of traffic. A traditional firewall would have static boundaries while a cloud environment is more dynamic. A common way of dealing with this is known as Zero Trust Architecture where you treat all network access requests as malicious. You ensure all visitors are verified and restrict access to smaller groups of people. So in order to utilize the cloud, you need to alter your entire approach to securing your data.

Sources:

<https://www.pomerium.com/blog/the-perimeter-problem#:~:text=In%20the%20past%2C%20organizations%20could,internal%20network%20to%20external%20access.>

<https://www.itconvergence.com/blog/building-a-secure-perimeter-the-importance-of-firewalling-in-cloud-managed-services/>

<https://www.sans.org/blog/what-is-zero-trust-architecture/>