**CYB 250**

**2-3 Short Response: Breach Analysis**

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The tenet for the CIA triad that I would use for the first scenario would be integrity. This is where the data should be maintained in a correct state and nobody should be able to improperly modify (csoonline.com). I choose this one because of the low disk quota that they talk about in the scenario. This really could only happen if someone modified the disk quotas or added something that they shouldn’t of and it took up to much space. After all they had sufficient space during the last audit, so they should have a good amount of space this audit.

Between the Secure Sockets Layer (SSL) and the Transport Layer Security (TLS), the TLS is better to use now a days. The SSL is becoming less reliable, slower, and has been depreciated (geeksforgeeks .org). While the TLS is highly reliable, upgraded, provides less latency, and is still widely used (geeksforgeeks.org). If I had to choose between the two, I would go with TLS.

In small organizations you need to almost look beyond the box to form a CIRT to make sure that your security can handle all possible situations. In small organizations you have to double up on any of the duties and more people are going to have to cross train in different departments. Really everyone in a small business is going to have to know how to work on the security of the business. Even in some organizations you may not have a team but one person that has to be prepared to handle any security situations. So, that person is going to have to know everything there is to know about the security. It just depends on how big the business is and what they are selling. Many online businesses have just one person selling the items. It is a good thing that there are organizations that can handle security for a business. However, there are down sides to that, including it taking a while to work on an intrusion. So, it just makes since that everyone in the business has a hand in the security aspect of it.

**References**

[Difference between Secure Socket Layer (SSL) and Transport Layer Security (TLS) - GeeksforGeeks](https://www.geeksforgeeks.org/difference-between-secure-socket-layer-ssl-and-transport-layer-security-tls/)

[The CIA triad: Definition, components and examples | CSO Online](https://www.csoonline.com/article/3519908/the-cia-triad-definition-components-and-examples.html)