Hello Class, TCP/IP protocols is very common as a protocol. It can help with communication and transmission. For example, help determine where a package goes, and how to separate the packages from the others, which would be used in big warehouses and even cargo ships. With TCP/IP protocols, it helps make standard procedures. Both TCP/IP and OSI Model have a layered system with specific functions. The layers help point out the errors when they occur. The difference is OSI model have more layers than TCP/IP Model, which makes it easier to find errors when using OSI Model.\

TCP/IP Model vs. OSI Model | Similarities and Differences | Fortinet. (2022). Retrieved 9 July 2022, from <https://www.fortinet.com/resources/cyberglossary/tcp-ip-model-vs-osi-model>

Hello Pete, I like you discussion post especially when you compared to two differences between OSI and TCP/IP. The layered system of both OSI and TCP/IP are very important, and are a way the both of them are similar. OSI contains more layers than TCP/IP, which helps OSI detect more errors. Using these models are very useful to transmit data so that users can communicate with each other.

Hello Class, The latest breach I am going to discuss is the Cash App Data Breach. In December of 2021 Cash App was confirmed to be breached by a former employee. The filling was made by SEC as known as Square on April 4th of this year. The former employee leaked “customers names, brokerage account numbers, and other data, such as portfolio value and stock trading activity.” (Heiligenstein, 2022). 8 million customers were contacted and informed they might have been affected by the breach. This could have been prevented by disabling the former employee’s information and data he had with the company. They can also put up a firewall to only allow the company or business IP Address so only the devices on their network are granted access to information that had been breached.

Heiligenstein, M. (2022). The Most Recent Data Breaches – June 2022. Retrieved 9 July 2022, from <https://firewalltimes.com/recent-data-breaches/>

Hello Mark, it is crazy that even the biggest companies can still get hacked and breached today, especially with social media being as big as it is right now. I guess we feel the same way on why they didn’t take extra steps to make sure they are secured. I don’t think I heard of this breach when it happened, probably because I don’t use twitter, but this breach is very interesting and shocking. I agree with you Twitter could have taken major steps to prevent this incident. Awareness training is a very good idea and can really be effective, by doing regular checkups on data and security.

Hello Class, a new and great Windows 2016 feature is Shieled VMs. This feature has virtual machines on google cloud that makes it harder for attackers and privilege escalation to breach your workloads. It helps fight against rootkits and bootkits. I think Shieled VMs is a great new feature because you can never be too safe when protecting your documents and information on Google Cloud. Shield VMs also has an option for integrity monitoring, this goes along with the policies and permissions it allows you to access and control.

Shielded VMs  |  Google Cloud. (2022). Retrieved 9 July 2022, from <https://cloud.google.com/shielded-vm#:~:text=Shielded%20VMs%20are%20virtual%20machines,privilege%20escalation%2C%20and%20malicious%20insiders>.

I agree with your security and storage are two very important and big things in Windows. It is very important to have security and to be protected, so I see why you picked these two features. I also agree with you about 24 TBs being a big jump. You can never have too much storage, and it is good to see them keeping up to date and improving features in Windows.

Hello Class, a service Windows 2016 has is Internet Information Services (IIS) it is an extensible web server created by Microsoft that supports most websites. Internet Information Services serve HTML pages and files. User of IIS can use the service to manage multiple websites, applications and FTP sites IIS is reliably for hosting websites, services, and applications. It also provides a secure and easy-to-manage platforms. IIS also helps users with internet share information. IIS is written in C++.

Web Server (IIS) Overview. (2022). Retrieved 9 July 2022, from <https://docs.microsoft.com/en-us/previous-versions/windows/it-pro/windows-server-2012-r2-and-2012/hh831725(v=ws.11)#role-description>