Discussion 4

Student’s Name

Institution

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The network structure viewed has security features and it is protected against any kind of network breach. There is firewalls system to filter data transfer to improve security of the network. The firewall is installed at the entry point to ensure that data transfer to the serve is monitored to avoid any kind of network breach which can result to unauthorized access to the system. Though the network structure has firewall, it would be recommended to implement further strict policies to limit the access and usage of devices within the network without authorization (FitzGerald, Dennis, & Durcikova, 2012). The network contains mixed operations system since most of the devices on the network use different operating system. The workstations are using Windows as operating system (OS); the servers are using both Linux (Ubuntu) and windows. The types of operating system used depend on the work load and the tasks being. The phones have android and Apple operating and therefore, it is evident that the devices on the network have different operating system.

Since the devices on the network use different operating system, there are some challenges which are faced in regard to data transfer. First, the connection or networking devices on different network is challenges and it takes much time to complete. It requires software to bridge the connection to ensure that devices using different operating system can communicate or share data efficiently. The network structure has several devices to ensure there is a smooth transfer of data or communication. The devices which are shown are printers which are used for printing services within a specific workstation (FitzGerald, Dennis, & Durcikova, 2012). Therefore, there are four printers within the network. The multifunction devices available within the network are photocopier machine and cameras. It is therefore, evident that the network structure contains several devices, which are needed for efficient operations.

# References

FitzGerald, J., Dennis, A., & Durcikova, A. (2012). *Business Data Communications and Networking.* New York: Wright Studio/Shutterstock.