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IT278 Windows Administration

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Windows Server is an operating system by Microsoft. With Windows you are able to support enterprise-level management, have data storage, run, and develop applications, and communicate with others. Windows Server focused on having security, and networks, and also to have stability, and about enhancing the file system. Over the years they make more improvements adding new feature or improving odd ones. Making Windows Server a great operating system, being safe to use and secure to use.

There are multiple difference and similarities of Windows Server 2012, 2016 and Nano deployments. There are a lot of improvements on features Window Server 2016 build on that Windows Server 2012 contained. Windows Server 2016 improved the memory support, by increase 4 TB per physical server it with up to 24 TB, which is 6 times Windows Server 2012. Windows 2016 also increase the logical processor support from 320 LPs to 512LPs. Windows Server 2016 Virtual machine memory support holds more data too, with it being 12 TB instead of 1 TB per virtual machine. Another feature Windows Server 2016 improved on is the processor support for Virtual machine increasing the VPs per machine to 240 VPs instead of 64 VPs.

Windows Server 2016 made a big change in security, making new features and with improvements to others. With Windows Server 2016 Windows introduced Shielded Virtual Machines. 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. Shielded Virtual Machines 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.

There are other operating systems like Linux instead of Windows. Windows is more commercial while Linux is open source. The version Ubuntu is popular and modern operating system, and ran by the company Canonical Ltd. Ubuntu is free, but with Windows you will have to pay. Windows gives users compatibility to software when using it. Applications like Microsoft Office can not be run with Ubuntu, it can only be run with a Windows Operating System, but there are other applications similar to Microsoft Office that can be used on Ubuntu. Another plus with using Windows is that Windows can run games faster than Ubuntu, because Ubuntu isn’t built for games. A plus using Ubuntu is that there aren’t any limits to personalizing your color theme, wallpapers, basically very element, with Windows there are limitations to customizing elements. With not as many users using Ubuntu, it is also less likely to be hacked. Ubuntu also uses Antivirus to update and patch their security gaps. Ubuntu is also centered on privacy. Most of the privacy and security features cannot be disabled if so, it would be violating the privacy of users.

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