

Technology Board Report

Office 365 & Google Suite

We have completed our G-Suite Single Sign-On with Office 365 (O365). We have completed the Exchange Server Hybrid configuration with Office365. We have configured the Azure data connection so that our on-Premise databases are accessible in O365/Azure. We have completed the Web Application Proxy connector so we can leverage O365 authentication to on-Premise web application servers, as an insulation layer for server protections.

The next phase plan is to migrate our email services and our sharepoint (eClass) services to O365. These are the more natural migration options; as they are the focal strategy of O365, and upgrading these servers on-Premise is costlier, has more limitations, and lastly requires more IT resources to maintain.

Print Systems

The new printers and copiers arrived on site earlier this month, and should begin getting installed in the next week.

Backup Server

Upgraded the Backup Server software to the latest version to support Server 2019. Our Door Access Controls Server was built in November on Server 2019, to ensure the longest possible deployment life; however, our backup software needed a significant upgrade to support Server 2019.

Unfortunately, the upgrade does not support O365 or G-Suite backups; which is going to be a necessary infrastructure component for the school to fully embrace these services. We are in discussion with backup vendors to license cloud backup features.

Server and Infrastructure

The primary production server has reached its life expectancy. The warranty can no longer be renewed, and it has suffered two hardware failures in the last year. As we consider the cloud and O365 services; there are several opportunities to migrate some production services to our O365 tenant; to reduce the workload demands of our on-Premise servers. I am evaluating the related long term cost comparisons; hoping to invest in the best long term strategy for the school.

Applications

Developed a drill down function in our eDesx gradebook verification process to help more easily identify details.

Training

I'd like to thank Principal Joe Tarasovitch for the continued opportunity to present to our faculty, and thank our faculty for their continued growth with technology advancements. We reviewed our Digital Classroom equipment again, introduced the Print project plan, and planted the seed for our Office 365 migration plans. Every opportunity to continue the technology direction will ease the adoption and comfort for everyone.