

Technology Report

4/3/19

Technology Committee Meeting

Compellent SAN Upgrade

The Compellent SAN at the SCLS Headquarters was upgraded in March. The SAN provides storage for most of our server infrastructure. The latest upgrade will provide a slight improvement in performance and increase capacity by making use of spare drives that normally sat idle until needed.

VMware Upgrades

The VMware infrastructure at SCLS was upgraded in March. The VMware upgrade entailed upgrading the software on the servers, or hosts, and upgrading the software we use to manage the hosts. VMware is the platform SCLS uses to build and manage its virtual server infrastructure.

Windows 10 1809 Feature Update

Most Windows 10 devices have been upgraded to the Windows 10 1809 Feature Update. There are a few dozen laptops that have not been upgraded due to unreliable wireless connectivity overnight. We still need to plan how to handle these devices.

Windows Server 2019 Licensing

SCLS recently ordered licensing for Windows Server 2019. Most of our servers are running Server 2012. It is probably still too early to begin deploying Server 2019 as it was just released. We do get downgrade rights to Server 2016 which we will be looking at soon.

Kaspersky Antivirus

The Kaspersky Endpoint software on all staff and public PCs is being upgraded to version 11.0.1.90. Most of the upgrades should be completed by 04/03/2019.

Deep Freeze

The Deep Freeze disk locking software on all public PCs is in the process of being updated. This should be upgraded on most patron PCs by 04/03/2019.

Technology Collaboration: Backup

After several meetings with stakeholders from interested Library Systems in Wisconsin, the group has reached consensus on pursuing Dell EMC's Data Domain server backup solution. The project will also

include storage for archiving digitization projects and an option to replace SAN storage platforms at SCLS and another participating system. We have partnered with six other Library Systems to use the 2018 LSTA Technology Collaboration Grant to offset the costs of this project. A total of ten Library Systems are collaborating on this project.

E-Rate Update

All E-rate applications will be submitted by midnight on Wednesday, March 27. This is a big year for E-rate as we are working on two new projects: Wireless and Firewall. Also, we are making some vendor changes.

Wireless: We are applying for Meraki wireless access and components for all libraries participating in E-rate. Some libraries may require a site visit to make the final assessment of optimum quantity and placement before we make the final purchase. We will be working with CDW-G on this project.

Network: We are applying for network and router upgrades for E-rate libraries due for a replacement. We are pursuing an agreement with CDW-G for our Cisco network equipment as they responded to our E-rate bid.

Firewall: We have selected a Fortigate system to replace our existing Firewall. We will be working with Hoyos on this project.

Website Hosting

SCLS staff continue to work with our website host to establish and document procedures for them to perform routine site maintenance tasks for us. Module maintenance, applying security/recommended updates, was done in February and March.

Drupal Training will be offered April 18, 2019, 1:00 PM - 4:00 PM at Wisconsin Rapids - McMillan Memorial Library. Registration & more info:

<https://scls.evanced.info/signup/EventDetails?EventId=5451>

Drupal Training will also be offered July 12, 2019, 9:00 AM - 12:00 PM at South Central Library System Headquarters, Badger/Chester Rooms. Registration & more info:

<https://scls.evanced.info/signup/EventDetails?EventId=5452>