

# Technology Report

July, 2022

## Grants

All 2022/2023 E-rate grants have been approved. We are still waiting for ECF grants to be approved.

## SCLS O365 email update

In April SCLS staff enabled [Modern Authentication for O365](#) users. We continue to follow up with users about the handful of O365 accounts that are still logging in using Basic Authentication.

## Drupal 9 migration

Live Drupal 9 sites (July): COL, POR

## Content Filtering Solution

A discussion will be taking place the week of August 10 amongst the Filtering Project team and member libraries. This meeting will provide insight into the initial evaluation process along with workflows and expectations. New filter pilot is still on course for mid to late August.

## Data Services

**Database usage dashboards:** This month, I finished updating the workflows for monthly database usage dashboards, which had become a much more involved project than I originally anticipated. My next steps will include testing workflow outputs as dashboard inputs and creating documentation allowing Scripting and Reports Team members to rotate dashboard updating duties.

**All Directors voting forms:** Using Google Forms, I created a set of online ballots used at the All Directors meeting on July 21<sup>st</sup> for voting on SCLS service fees. I designed the forms to prevent repeat voting using the FormRanger extension and Google Sheets formulas. After a library submitted its vote, the extension removed its library code from a list of eligible voters. I also added calculations to the Sheets to track the voting results and display them on a dashboard with near-real-time updates.

- Tim Drexler

## Scripting and Reports Team

**Python virtual environments:** The Scripting & Reports Team met on July 20th to continue exploring and testing Python virtual environments on the SCLS script servers. The Team established naming conventions, formalized documentation procedures, and worked to standardize the process steps for creating new environments. Finally, we tested an older script to determine whether it would run without issues in a new Python 3.7 environment (it did!). The Team will meet again in the coming weeks to work on batch file setup and running scripts as scheduled tasks, all in preparation for installing Python 3.9 on the servers

**DPI Annual Report pre-fill testing:** Cindy Weber completed an initial test of the scripts used to pre-fill sections of the DPI Annual Report for SCLS member libraries. Pre-fill data covers items such as counts of

materials owned, number of registered borrowers, and circulation numbers broken down by various sets of patron categories. SCLS Public Library Administration Consultant Tracie Miller used an established process to check the accuracy of the results, and she reported no problems.

- Tim Drexler

## ESET Endpoint Security Migration

The Kaspersky replacement project has been completed. ESET has been installed on over 1,400 PCs. So far, we have only received one support request from libraries concerning the new security product. A major version upgrade was released July 14th. Planning has already begun to upgrade the server and deploy the new client version to library PCs.

## MyPC

We will be upgrading all components of our time and print service. TBS will tentatively upgrade the server software on August 30<sup>th</sup> and 31<sup>st</sup>. SCLS will test and deploy upgrades to the MyPC client, PaperCut client and Guest Pass utility after the server upgrades.

## Windows 10 Feature Update 21H2

Windows 10 Feature Update 21H1 has an end-of-life set for December 2022. That is when Microsoft will stop creating updates for this version. We have installed Windows 10 Feature Update 21H2 on most patron and staff PCs, so we are ahead of schedule. The 21H2 end-of-life is set for June 2024.

## Windows 11 Pro

Windows 11 Pro was officially released by Microsoft in October of 2021. SCLS will put together a team to develop a Windows 11 configuration for new staff and patron PCs. Windows 11 is a free upgrade for Windows 10 PCs. We have not decided yet if existing PCs will be upgraded to Windows 11.

## Help Desk Software Replacement

The software that we are currently using, Spiceworks, is no longer supported as of October 1, 2022.

We have spent the past year investigating, and testing, alternatives before selecting the SolarWinds Service Desk in April.

Since then, the Technology and ILS staff have been configuring and testing the software while making plans for the transition to the new product.

We will be sharing more details about the proposed rollout of the new Help Desk software in August, and hope to Go Live with it in early September.