

Technology Report

February, 2023

Drupal 9 migration

Live Drupal 9 sites (February): [VER](#)

More MyPC updates

SCLS staff are preparing to pilot test in preparation for upcoming MyPC client upgrades. [Information about new features](#) was shared with the [scls-timeandprint email list](#), and we'll be sharing information about the timeline for the upgrades with the list as soon as pilot testing is complete.

SCLS also worked with MPL to replace every PaperCut printer at all MPL locations.

Email lists

WiscNet, the host of SCLS email lists, recently upgraded their list platform and transitioned the SCLS lists to the new platform. SCLS staff have already made updates to our "[Available SCLS email lists](#)" webpage to reflect the new URLs and are have updated our user and admin documentation for working with the email lists.

Email security

In 2023, SCLS will implement multifactor authentication (MFA) to significantly improve security for SCLS-hosted O365 email accounts.

What is multifactor authentication (MFA)?

MFA adds an additional way to confirm your identify when you're logging in. You've probably already used it to sign into accounts for banking, medical, retirement savings, and other more secure sites ---- you sign in with your username/password, and then the site verifies you're really you through another means (text/call/app verification).

The short (2:15) Microsoft video on this page is an excellent introduction into MFA:

<https://support.microsoft.com/en-us/topic/what-is-multifactor-authentication-e5e39437-121c-be60-d123-eda06bddf661>

We are just beginning to test this out on SCLS Admin and Delivery staff accounts so we can work out all the technical details and possible hurdles. As we get further along with testing, we'll be sharing more information about the project with libraries via the [SCLS Tech Blog](#) and [scls-technology email list](#).

Windows 11 Deployment

We are deploying Windows 11 with all new staff PCs. We also have a team developing a Windows 11 configuration for public PCs.

New Domain Controller

We retired our physical domain controller that was on very old hardware. We added a third virtual domain controller to take its place.

Backup Collaboration

The ECS digital archive at SCLS and at LEAN WI has been upgraded to the latest code version.

We are in the process of onboarding Winnefox and OWLS to the Avamar server backup system.

Move preparations

The SCLS Technology and ILS Teams are preparing a detailed list of services and status during the cutover weekend of May 27-May 30.

Data Services

Responsive dashboard formatting: I've begun researching and scoping a project to incorporate responsive website design elements in SCLS Tableau dashboards. Responsive webpage and dashboard layouts display content on devices with various screen sizes. The Tableau dashboard authoring software does not provide true responsive web functionality, but I've found some viable workarounds to produce dashboards that come close. Developing a workflow using these workarounds will allow greater flexibility to embed dashboards within SCLS webpages, making it easier for end users to find them.

Local Holds data analysis: I delivered two data-focused webinar presentations on the Local Holds pilot project in February. The presentations demonstrated how to navigate a Tableau Public dashboard tracking metrics such as circulation counts, time to fill holds, and total loaned/borrowed ratios. I also included my analysis of the project data based on additional, customized data visualizations and calculations. With seven months of project data now available (July 2022 – January 2023), some apparent trends and correlations have begun to appear.

- Tim Drexler