Technology Report

December, 2022

Drupal 9 migration

Live Drupal 9 sites (December): STP, WID
Sites still to be scheduled: AMH, BRD

The Drupal 9 migration schedule can be found here: https://www.scls.info/drupal-9-migration-schedule

Sites that have completed their migration have links to their Drupal 9 websites.

VER transition to SCLS-hosted email

During November and December, Verona staff transitioned from 33 email accounts from city-hosted services to SCLS-hosted 365 accounts. Welcome aboard!

Content Filtering Solution

All site have migrated to the new Untangle Web Filter platform. We have now entered the evaluation period, which will last for 3-6 months. During this time, library staff will be requested to submit feedback and SCLS staff will monitor the stability and performance of the platform. A target final completion date is June 2023.

Windows 11 Deployment

Tech staff is finishing up a Windows 11 configuration for new staff devices. We will begin pilot testing soon. We will then focus on building a Windows 11 configuration for new public devices. We will also discuss the feasibility of upgrading existing devices to Windows 11.

Data Services

2022 DPI Annual Report: I continued to prepare for the 2022 Annual Report by making several checks to ensure data consistency and validity in our prefill scripts. Among the items I reviewed were:

- Making sure library names and municipalities match DPI Public Library Directory information.
- Verifying patron statistical classes used to attribute circulation data to individual libraries.
- Establishing that all collection codes present in Bibliovation data match authorized values.

While examining the 2022 data, I also began translating the verification procedures into Tableau Prep flow scripts. This conversion automated most of the previously-manual process steps and helped simplify the resulting reports. It will also provide a reproducible methodology, ensuring greater consistency from year to year.

Website analytics: With SCLS Web Services Consultant Rose Ziech, I worked on updating SCLS-hosted websites to use the Google Analytics 4 (GA4) standard for website data collection. GA4 replaces Google's Universal Analytics, which Google will stop supporting as of July 2023. I also took the

opportunity to develop a Python program to retrieve website visit data from both platforms using their respective APIs. The script will allow me to quickly calculate the yearly number of website sessions for each library, which is data included in the SCLS-provided prefill for the DPI Annual Report.

- Tim Drexler