Born Digital Preservation Lab

Overview

The Indiana University Libraries' Born Digital Preservation Lab (BDPL) contains equipment and software to assist with the preservation of born-digital assets that have been stored on legacy physical media or otherwise transferred to the Library.

Using the Consultative Committee for Space Data Systems's Reference Model for an Open Archival Information System (now ISO 14721) as a foundation, the BDPL's current procedures (as of August 2019) include:

- Migration of content off removable physical media (or network storage locations) using tools that will ensure the authenticity and integrity of materials.
- Content analysis to identify viruses and malware; detect sensitive information; and identify file formats.
- Creation of standardized Submission Information Packages (SIPs) comprised of digital content and associated technical, descriptive, and preservation metadata.
- Provide an opportunity for collecting units to conduct a review and appraisal of content.
- Transfer of SIPs to the Scholarly Data Archive for secure storage.

Moving forward, the Indiana University Libraries will implement additional tools and workflows to run on these SIPs and produce both Archival Information Packages (AIPs) for long-term preservation and Dissemination Information Packages (DIPs) for user access.

Equipment

The BDPL contains the following equipment:

- Two Dell Precision 3430 workstations with:
  - 64-bit Windows 10 OS
  - 32 GB RAM
  - Intel Core i7-8700 CPU @ 3.20GHz, 3192 Mhz, 6 Core(s), 12 Logical Processor(s)
  - HL-DT-ST BD-RE BU40N optical disk drive
- MF Digital RipStation BR6-7604
- Power Macintosh 6500/275
- Sabrent USB 3.5" floppy disk drive
- Iomega Zip 100 zip disk drive
- Toshiba ND-0802GR 5.25" floppy drive (with Device Side Data FC5025 Floppy Controller)

Set-Up and Procedures

The following pages provide additional information on workstation set up and performance of BDPL procedures.

- BDPL Environment and Conventions
- Identifying and Handling of Legacy Media
- Ingest User Manual and Workflow Guidelines

BDPL Resources

BDPL Ingest Tool: https://github.com/IUBLibTech/bdpl_ingest

Current template for unit shipments to the BDPL: TEMPLATE-Digital-Archives_Inventory-Workflow_20190724.xltx

Sample plain text file for separations: separations.txt