

Building a Digital Repository to Preserve Diverse Collections

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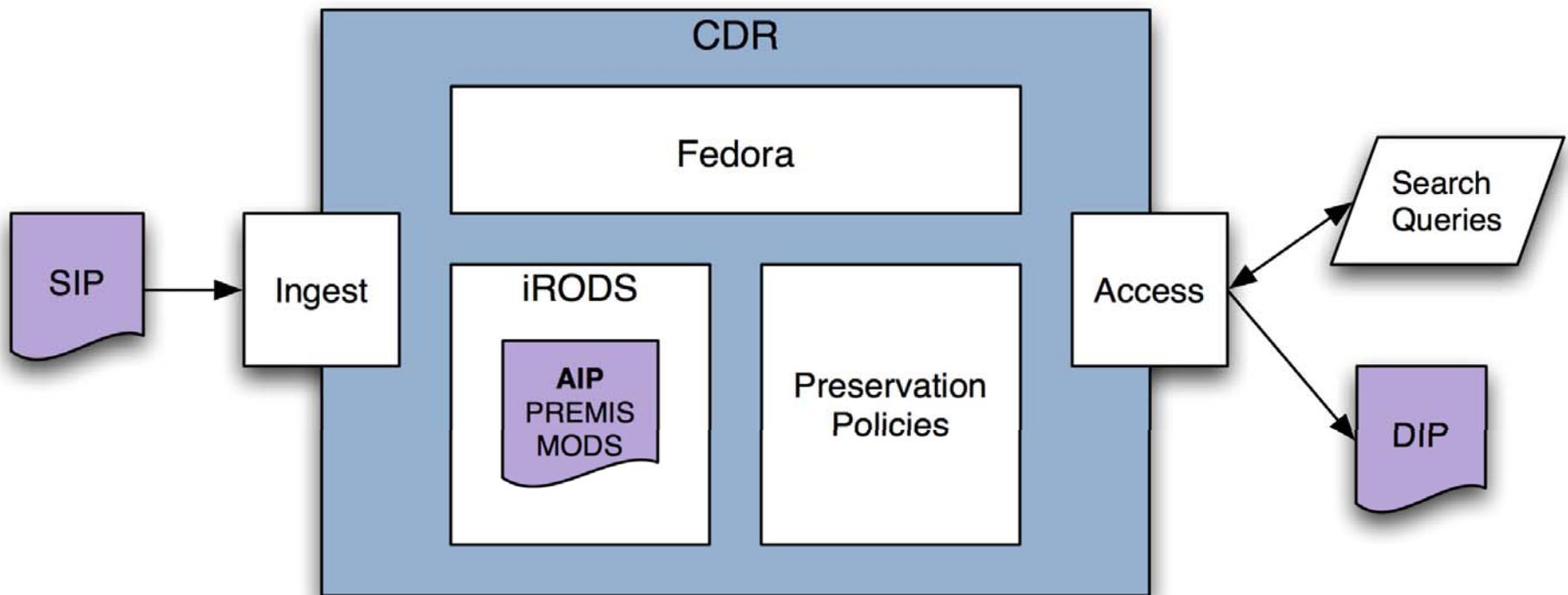
What is the Carolina Digital Repository

- University-wide initiative to serve as the digital archive for members of the UNC-CH community. The CDR provides a secure home for your research and scholarly work.
- Strategic goals:
 - Ensure UNC digital scholarly output is safe and accessible into the future.
 - Provide a digital preservation platform for born-digital special collections and university records.

<https://cdr.lib.unc.edu>

Background

- OAIS used as common ground/language for repository development



Collecting Streams

- University scholarly output
 - e.g. OA journal articles, faculty research data
- Born-digital special collections
 - e.g. electronic records from campus units
- Library generated digital content
 - e.g. digital collections preservation masters
- Challenge:
 - How to create preservation and access services appropriate for such diverse content?

CDR Services

- The deposit process is mediated
 - The library deposits the content for you
 - To prepare, we conduct a brief, in-person ingest survey
- Once deposited, content can be accessed via the web in a downloadable format at <https://cdr.lib.unc.edu/>
- We can provide limited metadata consultation
- Repository referral (if a domain or discipline-specific repository may be more appropriate for the material)
- Long-term preservation of your content

Current Preservation Environment

- Bit-level preservation
- Geographically dispersed replicants in iRODS storage grid
- PREMIS events generated upon ingest
- FITS file format information generated

Challenges

- Sustaining funding and momentum
 - Preservation repositories never go into “maintenance mode”
- Moving beyond bit-level preservation
 - Migration
 - ISO 16363 (similar to TRAC) certification
- Accommodating diverse content streams

Thank you

Questions?

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