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Let There Be Light! Indexing Items from Digital Commons in Apache Solr via OAI-PMH

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Let There Be Light! Indexing Materials from Digital Commons in Apache Solr with OAI-PMH



Solr is a powerful, fast, open source, enterprise level, full-text search platform, based on the Lucene Index. Solr is becoming a common piece of infrastructure in libraries and digital collections infrastructure.

Documents are added to Solr by "indexing" Solr ready XML files which contain the text will be made searchable.

Finally, **Searching** is done through a separate interfaces that pulls in Solr search results.

lucene.apache.org/solr

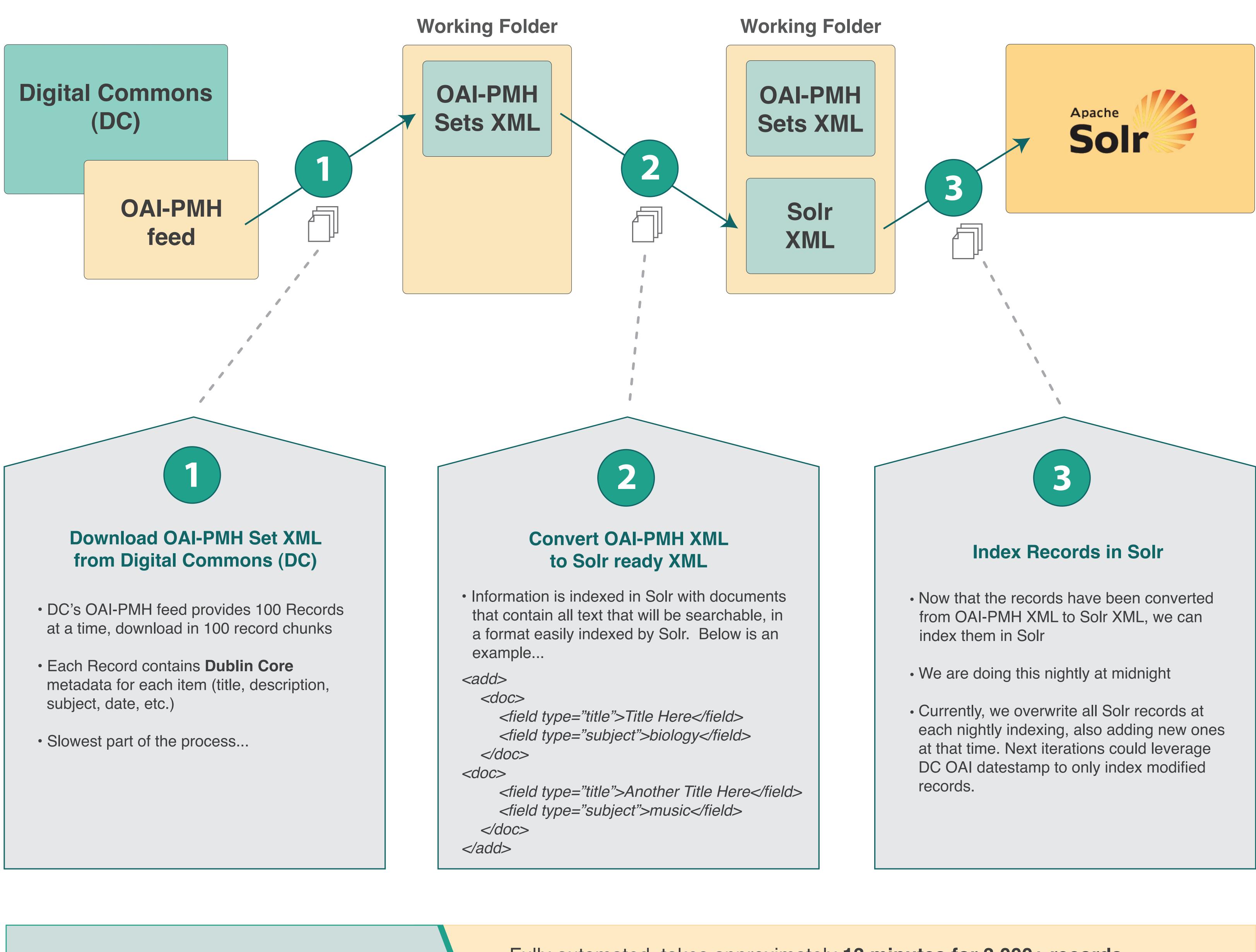


Open Archive Initiative - Protocol for Metadata Harvesting (**OAI-PMH**) is a widely used protocol for sharing structured metadata, in **XML** form, between repositories. Digital Commons (DC) provides metadata records for all items in an institution's repository via an "OAI-PMH feed."

Each Series in DC comes through as a Set in the OAI-PMH feed. Each **Item** in DC is expressed as a **Record** within a Set. It is these **Records** that are indexed in Solr.

www.openarchives.org/pmh

This utility is available on GitHub: github.com/WSULib/dc2Solr



Why bother?



- Fully automated, takes approximately **13 minutes for 3,000+ records**
- Potentially pulls Digital Commons records into Library discovery system via Solr
- Provides ability to audit records from Digital Commons by aggregating them in one place.

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