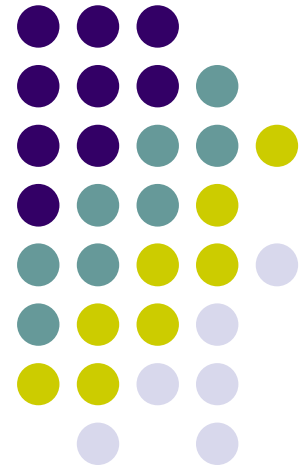
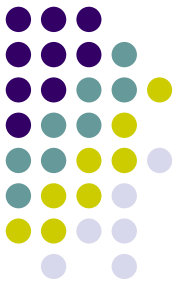


Collex: NINES in the Semantic Web

Interpretative re-use
of digital objects

www.patacriticism.org/collex

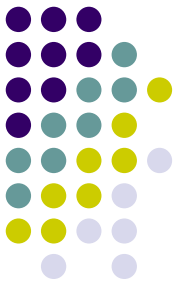




What is Collex?

- **Collect** and **exhibit**
- “...making the manipulation and annotation of [objects] open to all users.”
- Findability: Faceted, full-text search, browse
- Folksonomy: tagging and annotations

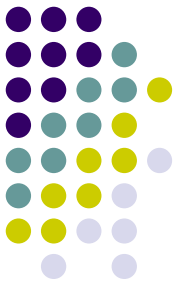
Who's behind Collex?



- Applied Research in Patacriticism
University of Virginia
- Dr. Jerome McGann, Dr. Bethany Nowviskie
- ARP is generously funded and supported by
the *Andrew Mellon Foundation*

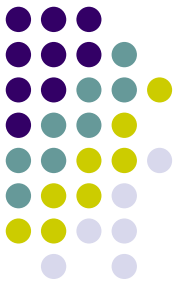


Collex operations



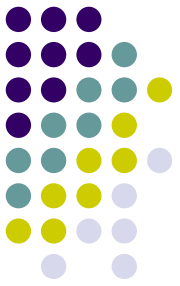
- Aggregate
- Find (search/browse)
- Collect (tag/annotate)
- Exhibit

Features



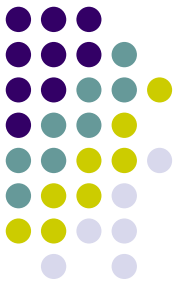
- Collecting
 - From original archive, via bookmarklet
 - Directly in search results
 - Sidebar details
- Syndicated collections – per facet, tag, or peer, globally or per user.

Facets



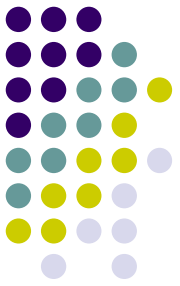
- NINES
 - Object facets: archive, year, agent, genre (and even full-text)
 - User supplied facets: tag, peer
- Collex goal
 - Generic on data domain
 - Developer flexibility in specifying facets

Current Deployment Status



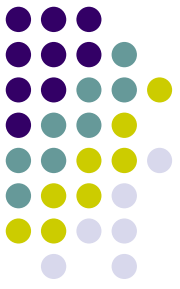
- NINES
 - <http://www.nines.org/collex>
 - Over 50k objects
 - 12 archives
 - AJAX: term and name suggest features

Collex future



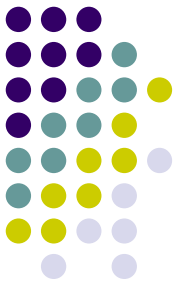
- Saved searches
 - Feeds for all saved searches, and themselves first-class facet citizens
- Set visualizations
- Embedded time-line
- Atom publishing protocol
- Generalizability for other subject domains

Technical architecture



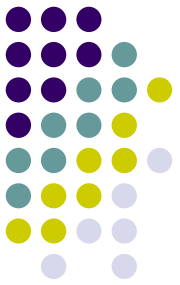
- Solr
 - Faceted browsing/search
 - AJAX suggest data
 - More Like This, Highlighting
- Relational database (currently MySQL)
 - User management
 - Administrative data
 - “Interpretation” storage, backed by Solr
- Ruby on Rails
 - User interface

Solr



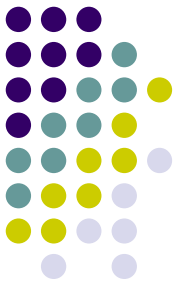
- Open source enterprise search server
- Lucene-based
- Lightweight XML/HTTP protocol
 - Can return JSON, Ruby, ... data structures instead of XML
- Facets
- Highlighting
- More Like This
- Scalability features
 - Caching
 - Replication
- Web administration interface for stats and analysis tools
- Extensible

Ruby on Rails



- Rapid development
 - Save and refresh
- Pleasant database modeling with ActiveRecord and Migrations
- Web coding is fun again!
 - The language is a joy
 - Rails elegantly layered on top of Ruby

Other ARP projects



- IVANHOE
 - Online playspace that facilitates collaborative interpretation.
- Juxta
 - Tool for comparing and collating
- Rossetti Archive
- NINES

“Poets are the unacknowledged engineers of the world”