

RUetd/OpenETD

Rutgers University Development and Implementation
of an Open Source Application

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Background of the Project

- Project began in the Summer of 2005
- Seven Graduate Schools require thesis or dissertations at Rutgers
- Largest Graduate School - The Graduate School of New Brunswick collaborated in early development and pilot implementation
- May 2007 Pilot Implementation
 - Optional participation
 - Over 70 submissions
- 2008 – Two more Graduate Schools started using RUetd
- 2010 – All remaining Graduate Schools now use RUetd
- Over 1,500 papers have been submitted
- Currently averaging 500+ submissions per year

Detail of a Submission Process

- Student

- Uploads main document(PDF/a) and supplementary files, if needed
- Validates margins
- Requests Embargo

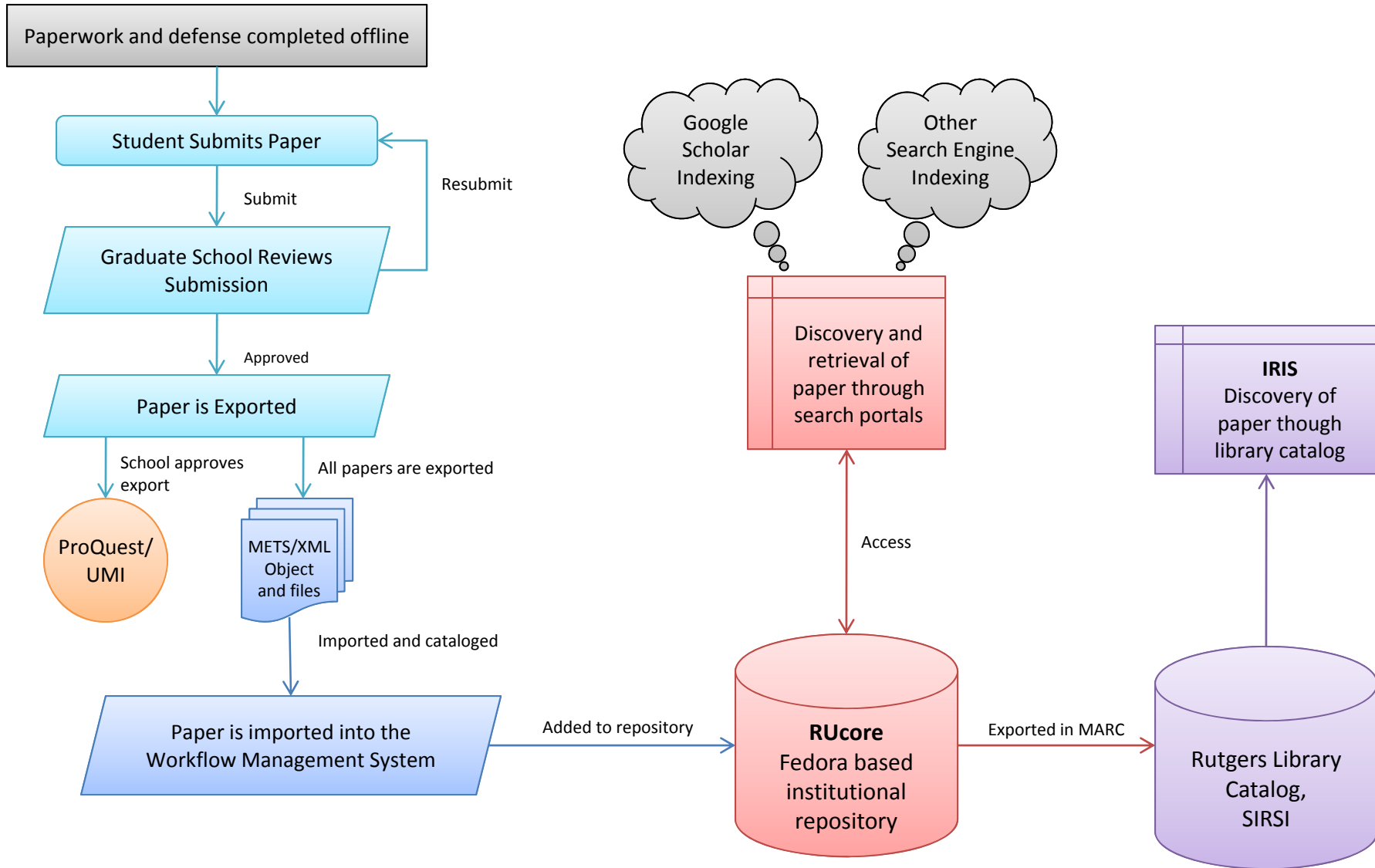
- Graduate School Reviewer

- Verifies paperwork is complete
- Approves embargo if requested
- Approves paper
- Approves export to ProQuest/UMI

Detail of a Preservation and Access

- Main document, supplementary files and metadata are exported to our Workflow Management System, WMS
- Cataloger reviews and supplements metadata exported from RUetd
- Complete paper is ingested and preserved in RUcore
- Embargoed papers are ingested with a policy which blocks access to the main document
- Supplementary files are preserved but not accessible
- Search portals provide discovery and access
- Sitemaps for Google Scholar and other search engines are created
- Paper is exported from RUcore to the Rutgers Libraries Catalog

RUetd Submission Process and Life Cycle



About the Software

- Linux, Apache, MySQL, PHP (LAMP) application
- Production application runs on Solaris
- Margin checking is provided using Ghostscript functionality
- RUetd is a local implementation of the OpenETD product
- RUetd includes configurations and local policies

Open Source Development

- Development path is mainly dictated by the Rutgers user community
- Open Source Community can guide future development as well
- May - OpenETD became available
 - 50+ downloads in first week
 - Covered all major continents
- Committed to one major release per year
- Critical bug releases will be issued when needed in a timely manner
- Require acknowledgement on front page of OpenETD installation
- Open Source Project Page offers
 - List of known bugs and issues
 - Development path of OpenETD
 - Facility to communicate

Future Version of OpenETD

- LDAP Integration
- Improved User Management
- API for Exporting Papers
- API for Recording and Monitoring Submission Status
- Refactoring of Code Base to Modular/Pluggable Design