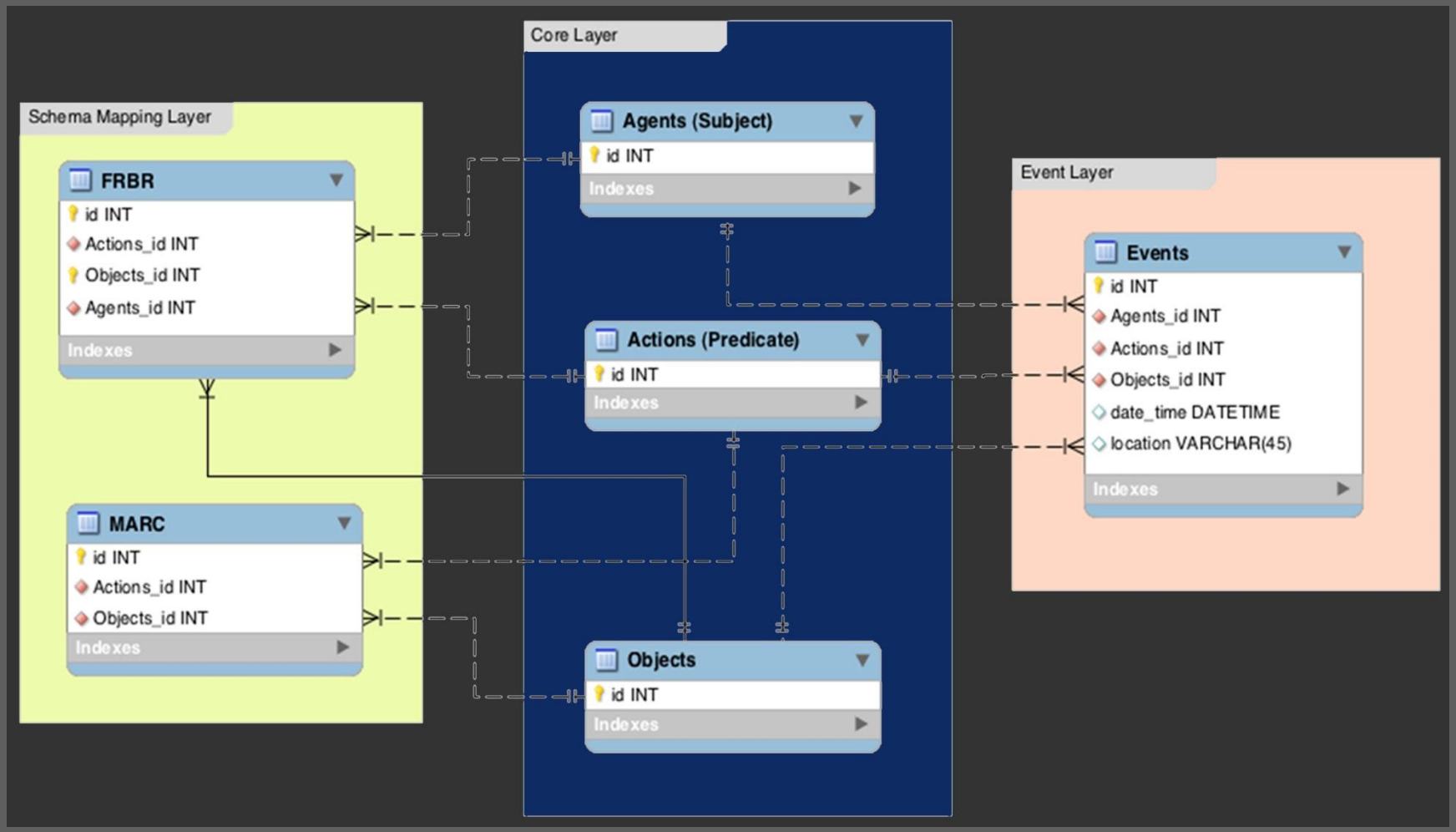
ESTC21: Linked Data and Researcher Editing



Brian Geiger, CBSR
Bryan Tarpley, ARC

BRITISH LIBRARY

ENGLISH SHORT TITLE CATALOGUE



Catalogue record errors? Use our Error Report Form

Full Record

Permalink

Format options: Standard format Summary MARC tags HOLDINGS DETAILS

Record 1 out of 1 ← Previous record Next record →

ESTC System No.	006124525
ESTC Citation No.	**R217856**
Author - personal	●Mews, Peter, 1619-1706.
Title	●The ex-ale-tation of ale. Written by a learned pen.
Publisher/year	●London : printed by J.R., 1668.
Physical descr.	15, [1] p. ; 8°.
General note	In verse.
	Attributed to the Bishop of Winchester, Peter Mews, by Wing and DNB.
Citation/references	Wing (2nd ed.), M1953
Surrogates	Microfilm. Ann Arbor, Mich. University Microfilms. 1989. 1 microfilm reel ; 35 mm. (Early English books, 1641-1700; 1919:32).
Loc. of filmed copy	L.
Subject	●Ale -- Poetry -- Early works to 1800.
Copies - Brit.Isles	●British Library
Copies - N.America	●University of Texas
Electronic location	Early English Books Online (EEBO) ; { Reproduction of the original in the British Library. }

Placeholder Record

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040    bb |a Uk-ES |c Uk-ES
130    0b |a Bible. |p O.T. |p Psalms. |l English. |p Sternhold and Hopkins.
245    14 |a The whole book of psalms: |b collected into English meeter by Thomas Sternhold, John Hopkins, and others.
260    bb |a [London : |b Iohn Daye, cum priuilegio per decennium, |c 1571?]
300    bb |a [No pagination provided] ; |c 4°.
500    bb |a Printer's name and publication date from STC.
509    bb |a Placeholder record
509    bb |a Verify current location of Heth. copy
510    4b |a STC (2nd ed.), |c 2441.7
648    b7 |a 1473-1640 |2 local
752    bb |a Great Britain |b England |d London.
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Status BL HOLDING RECVD: |b 8/18/2010
Status HOLDING UPDATED |d 9 Feb 2012
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Annotate record

Library Holdings:

1. **bb |a bL |b British Library |e London, England, U.K. |x P |q Destroyed |r 3458258**
2. bb |a bPC |b Private Collections |e United Kingdom & Ireland |x C |q Heth. |r 3458259

Unedited Record

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040    bb |a CU-RivES |c CU-RivES |d CStRLIN |d CU-RivES |e dcrb
110    2b |a Catholic Church.
240    10 |a Catechism. |l English. |p Douai
245    13 |a An abstract of the Douay catechism
260    bb |a Douay : |b Printed by M. Mairesse, |c 1697.
300    bb |a 233, [1] p. |c 12°.
500    bb |a "Published with allowance.".
500    bb |a Format from Wing.
509    bb |a Unedited record.
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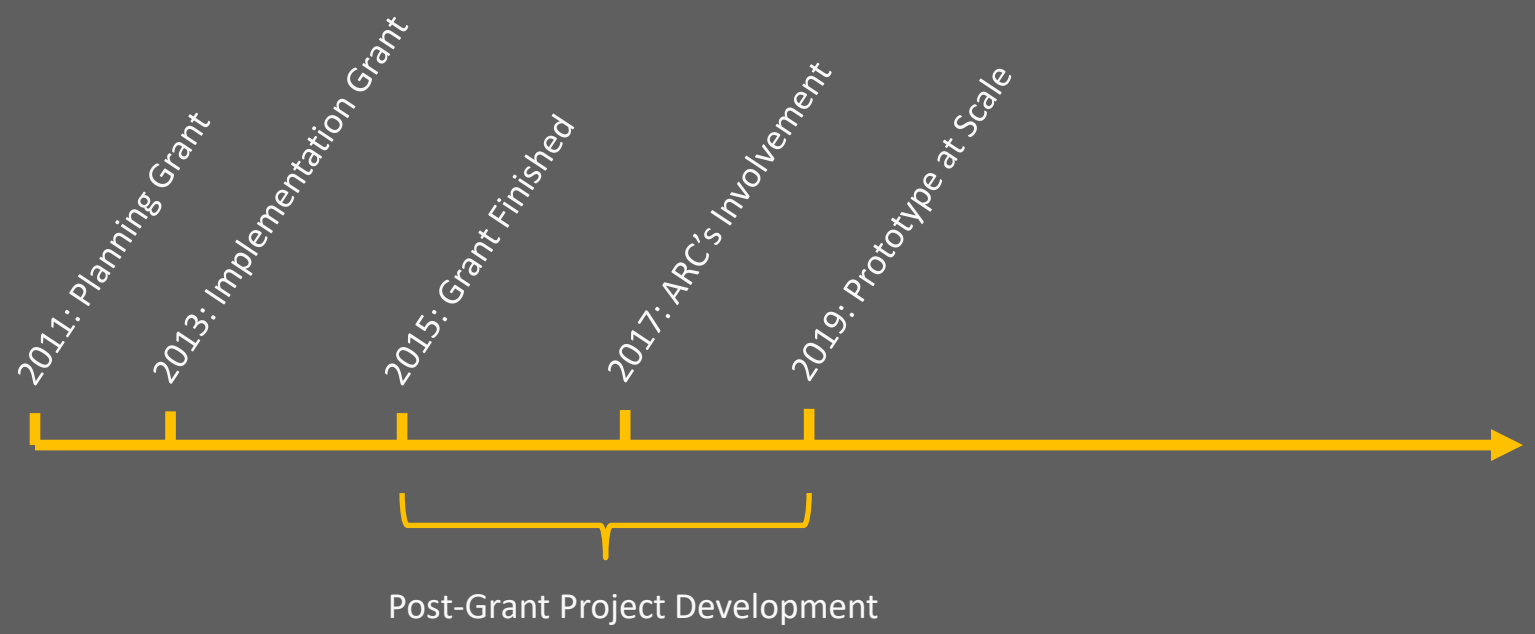
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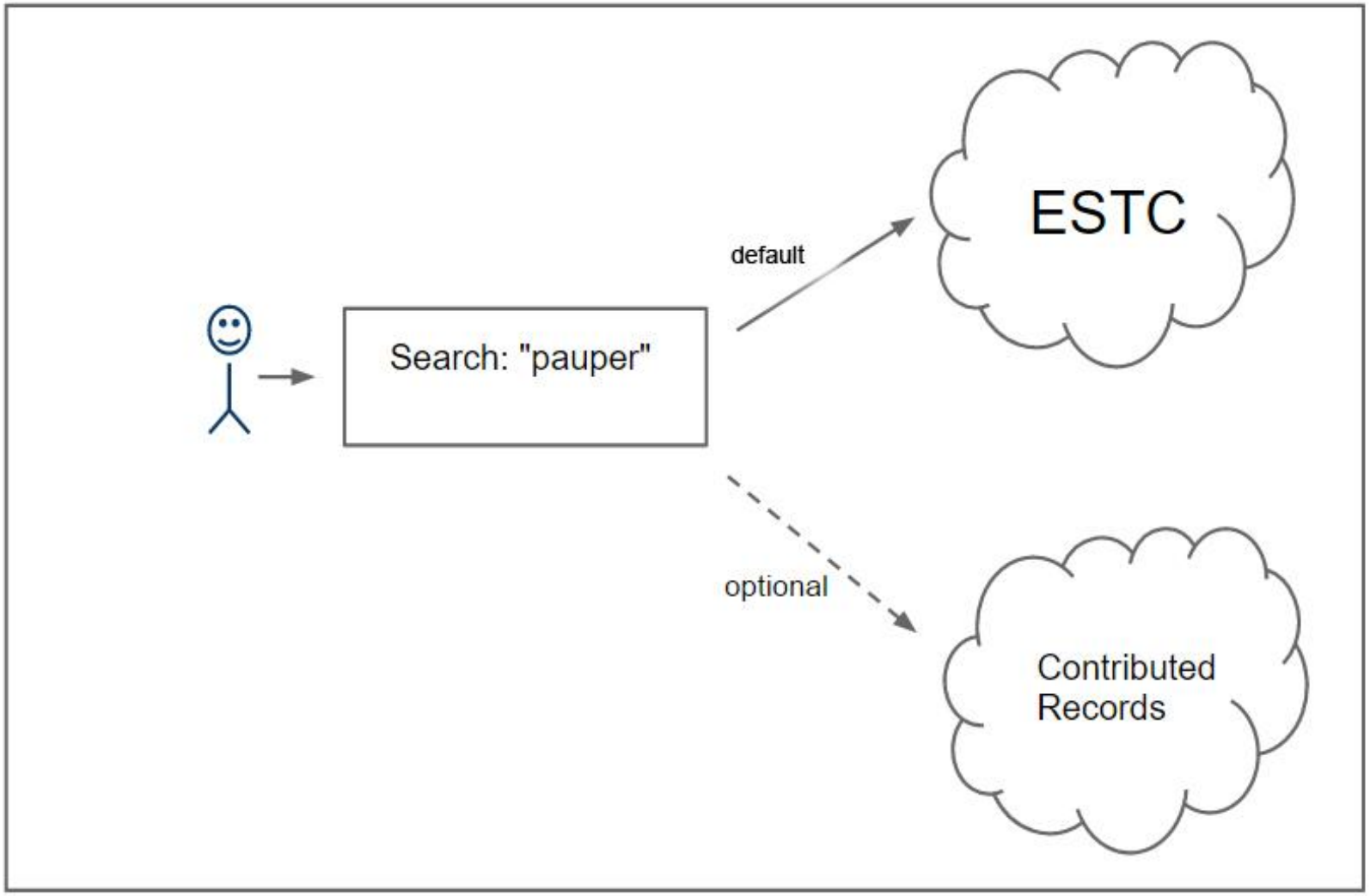


ESTC Continues to Grow

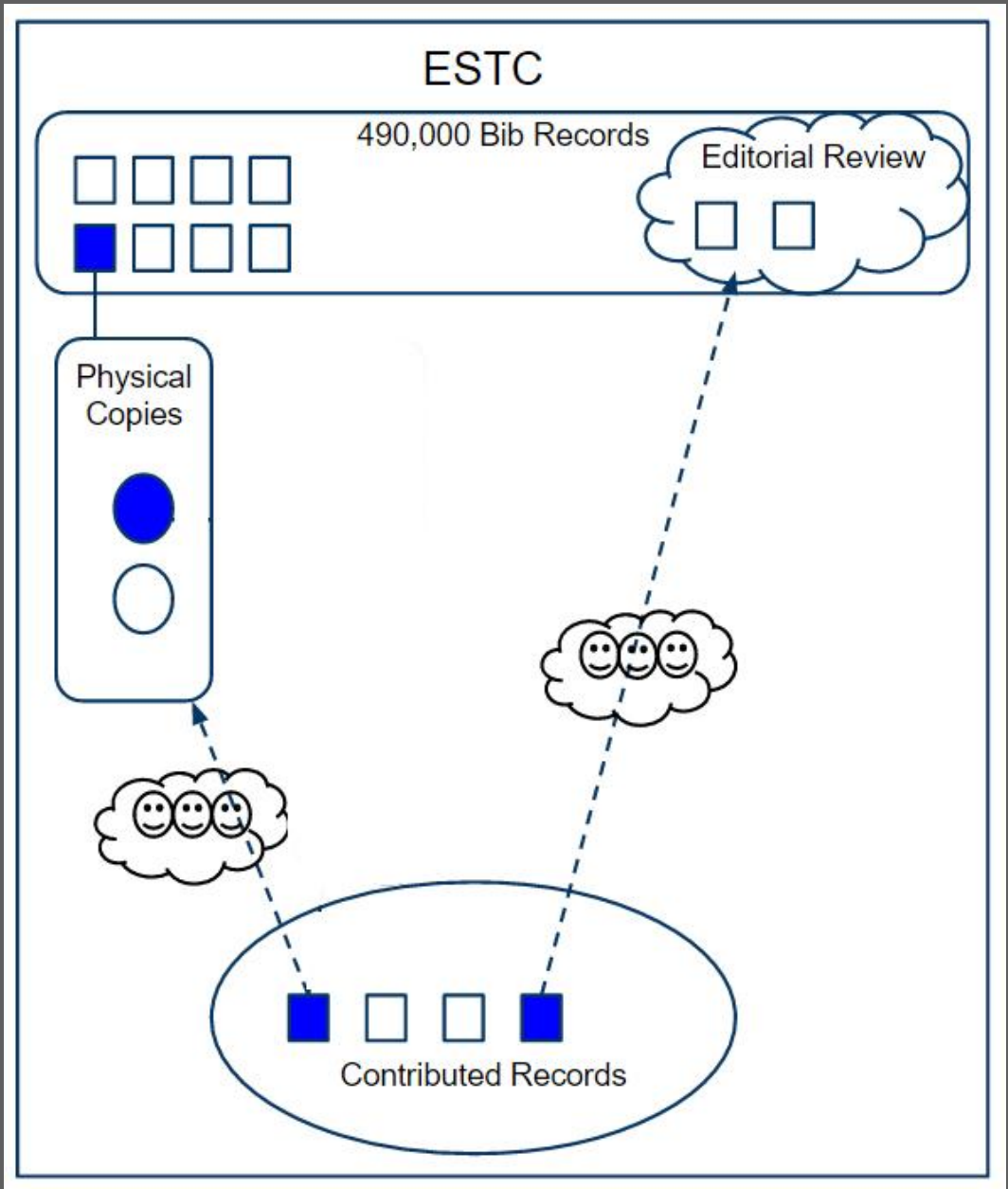
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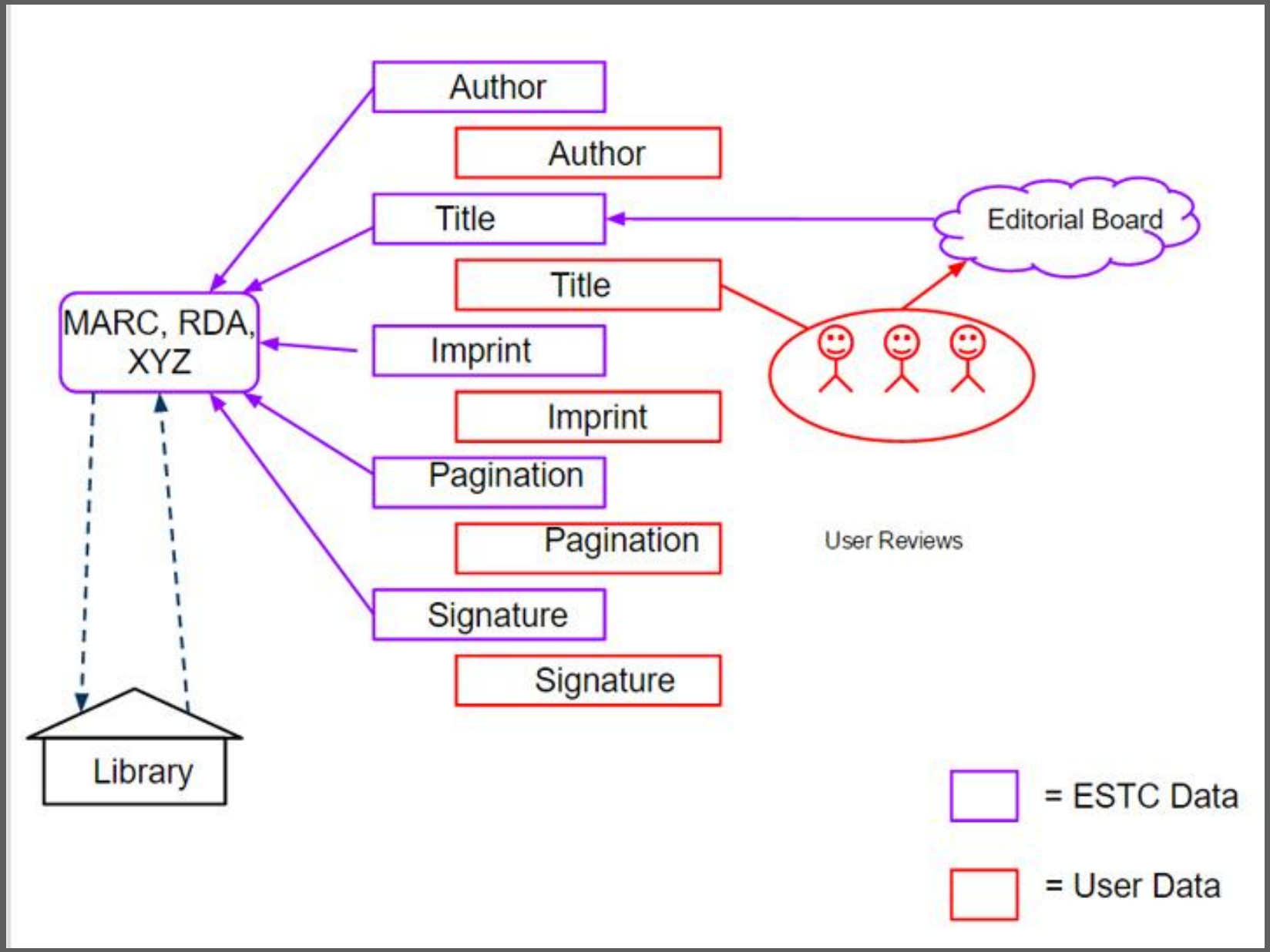
Searching ESTC21



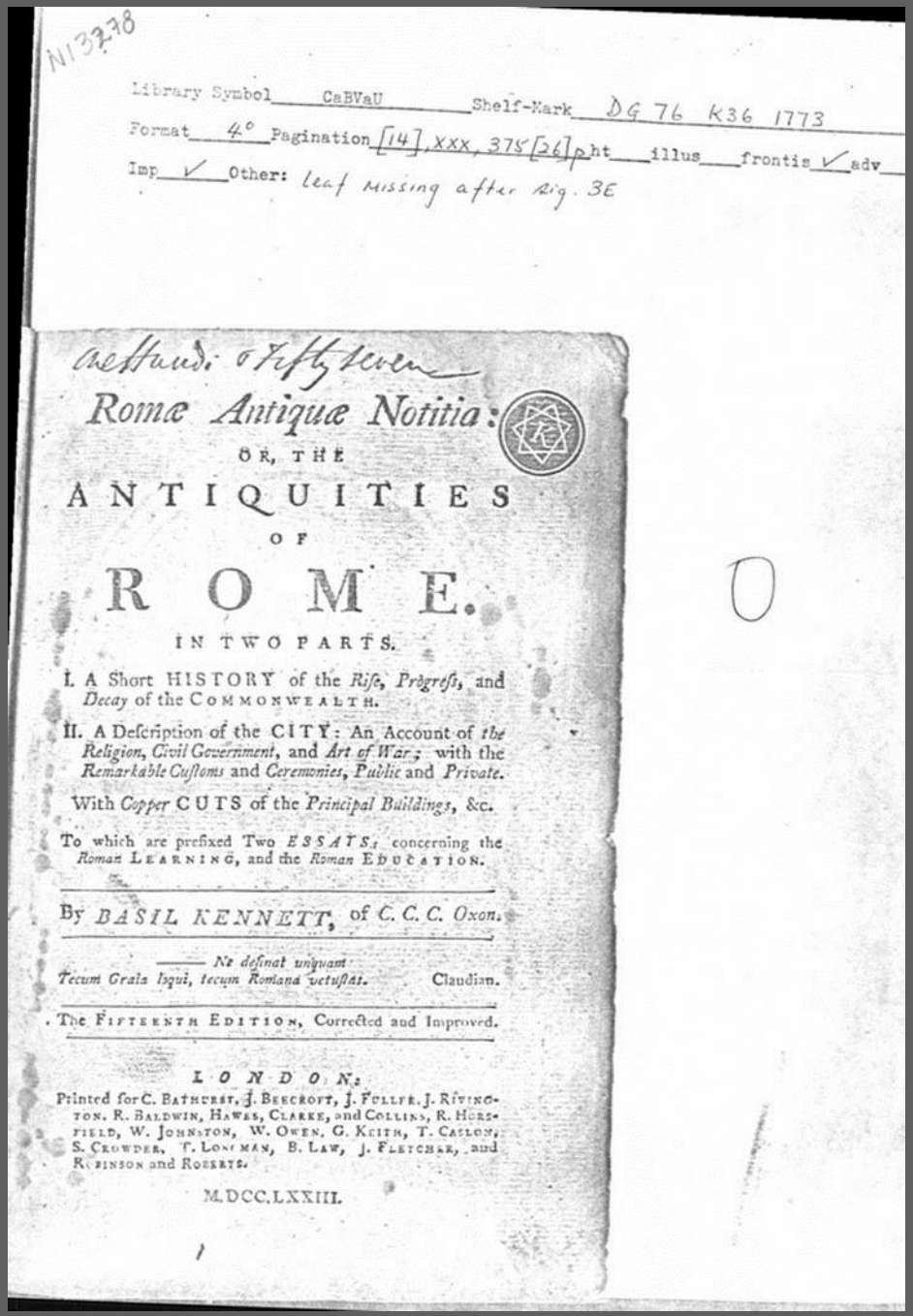
Record Curation



Data Curation



Report from University of British Columbia



N13278

Library Symbol CaBVaU Shelf-Mark DG 76 K36 1773

Format 4° Pagination [14], xxx, 375 [24] pht illus frontis ✓ adv

Imp ✓ Other: leaf missing after sig. 3E

a estand. o Fifty seven

Romæ Antiquæ Notitia:

OR, THE

ANTIQUITIES

OF

ROME.

IN TWO PARTS.

I. A Short HISTORY of the *Rise*, *Progress*, and *Decay* of the COMMONWEALTH.

II. A Description of the CITY: An Account of *the Religion*, *Civil Government*, and *Art of War*; with the *Remarkable Customs* and *Ceremonies*, *Public* and *Private*.

With *Copper* CUTS of the *Principal Buildings*, &c.

To which are prefixed Two *ESSAYS*, concerning the *Roman* LEARNING, and the *Roman* EDUCATION.

By *BASIL KENNETT*, of *C. C. C. Oxon.*

——— *Ne desinat unquam*
Tecum Graia loqui, tecum Romana vetustas. Claudian.

The FIFTEENTH EDITION, Corrected and Improved.

LONDON:
Printed for C. BATHURST, J. BEECROFT, J. FULLER, J. RIVINGTON, R. BALDWIN, HAWES, CLARKE, and COLLINS, R. HORSFIELD, W. JOHNSTON, W. OWEN, G. KEITH, T. CADELL, S. CROWDER, T. LONGMAN, B. LAW, J. FLETCHER, and ROBINSON and ROBERTS.

M.DCC.LXXIII.

ESTC as Linked Data

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040    bb |a MWA |c MWA |d CU-RivES |d CStRLIN
100    0b |a Gentleman of the faculty.
245    10 |a Concise observations on the nature of our common food, |b so far as it tends to
promote or injure health; with remarks on water, bread, meat, cheese, butter, milk, wine,
punch, beer, coffee, tea, sugar, &c. &c. To which are prefixed, general rules for a course of
diet. By a gentleman of the faculty. [One line in Latin from Cicero]
250    bb |a The second edition.
260    bb |a [New York] : |b --London: printed-- New-York: re-printed by T. and J. Swords,
for Berry and Rogers, Hanover-Square, |c M,DCC,XC. [1790]
300    bb |a vi,[1],8-38p. ; |c ?*.
500    bb |a The first New York edition is tentatively attributed to Thomas Hayes by Evans.
500    bb |a Advertisement for hardware, medicines, and other merchandise to be had of Berry
and Rogers, p. [ii].
510    4b |a Bristol, |c B7384
510    4b |a Shipton & Mooney, |c 45882
510    4b |a Austin, R.B. Early Amer. medical imprints, |c 512
510    4b |a Lowenstein, E. Amer. cookery (3rd ed.), |c 6
533    bb |a Digital image available in the Readex/Newsbank Digital Evans series. |n
Available via the World Wide Web. |n Access limited by licensing agreements.
648    b7 |a 1635-1800 |2 local
650    b0 |a Nutrition.
650    b0 |a Diet.
655    b7 |a Advertisements. |2 rbgenr
700    1b |a Hayes, Thomas, |d fl. 1783-1786. |4 aut
700    1b |a Hayes, Thomas, |d fl. 1783-1786.
700    1b |a Swords, Thomas, |d 1764-1843, |e printer.
700    1b |a Swords, James, |d 1765-1846, |e printer.
700    1b |a Berry, John, |d d. 1795, |e bookseller.
700    1b |a Rogers, John, |e bookseller.
752    bb |a United States |b New York |d New York.
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FRBRizing ESTC Data

- N504302
- 100 1b |a Strype, John, |d 1643-1737.
- 245 10 |a Annals of the reformation and establishment of religion, |b in the Church of England. Containing accounts of the government and inspection of the bishops in their respective diocesses; as matters, requiring their care, fell out each year: ecclesiastical commissions. The busy actings of Papists and Puritans: The difficulties and dangers the state as well as the church met with from time to time: occasioned chiefly from the endeavours to overthrow both, by the power and practices of such as favoured Mary, Queen of Scots: of whom many special transactions; and chiefly of her sentence and death; and the consequences thereof, are shewn: and the Spanish invasion in 1588. Both serving to enlighten those two great crises of Queen Elizabeth's reign. Together with divers other political affairs of note interspersed. This history is also improved by notices given concerning the state and events of the Church of Ireland; occurrences and differences that fell out in our universities… by John Strype, M.A. Vol. III.
- 260 bb |a London : |b printed for Edward Symon, in Cornhill, |c MDCCXXVIII. [1728]
- 300 bb |a v.3 ([40], 624; 274 p.) ; |c 2°.
- 500 bb |a Title page printed in red and black.
- 500 bb |a 'An appendix of original papers of state, ..' has separate pagination and register.
- 500 bb |a Signatures: [pi]2 a-h2 B-4k4; A-2L4 2M2(-M2).
- 648 b7 |a 1701-1800 |2 local
- 651 b0 |a Great Britain |x Church history |y 16th century |v Sources.
- 655 b7 |a Annals. |2 rbgenr
- 752 bb |a Great Britain |b England |d London.
- 856 41 |u http://www.mdz-nbn-resolving.de/urn/resolver.pl?urn=urn:nbn:de:bvb:12-bsb10328922-7 |y Bayerische Staatsbibliothek
- 856 41 |u http://books.google.com/books?vid=Ac9DAAAAcAAJ |y Google Books |z Source Library: eMUbsb

- **Library Holdings:**
- bb |a bLmh |b Congregational Library |e London, England (County Greater London), United Kingdom. |j 167.4.6 |x P |r 3694617
- bb |a eMUbsb |b Bayerische Staatsbibliothek |e Munich, Germany |x V |r 3864561

ESTC21 as a Sandbox



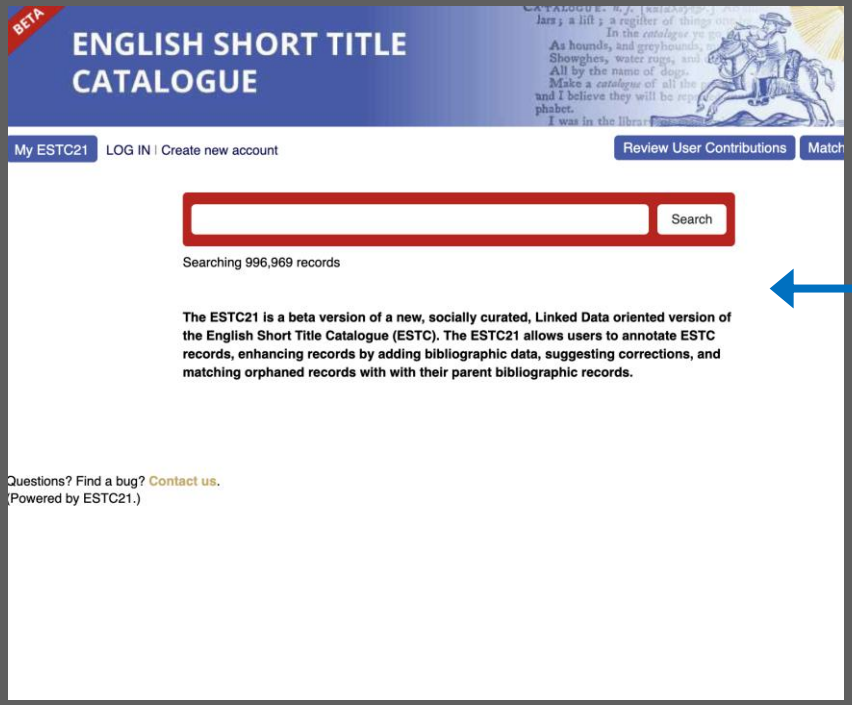
Facing ESTC21 Technical Challenges

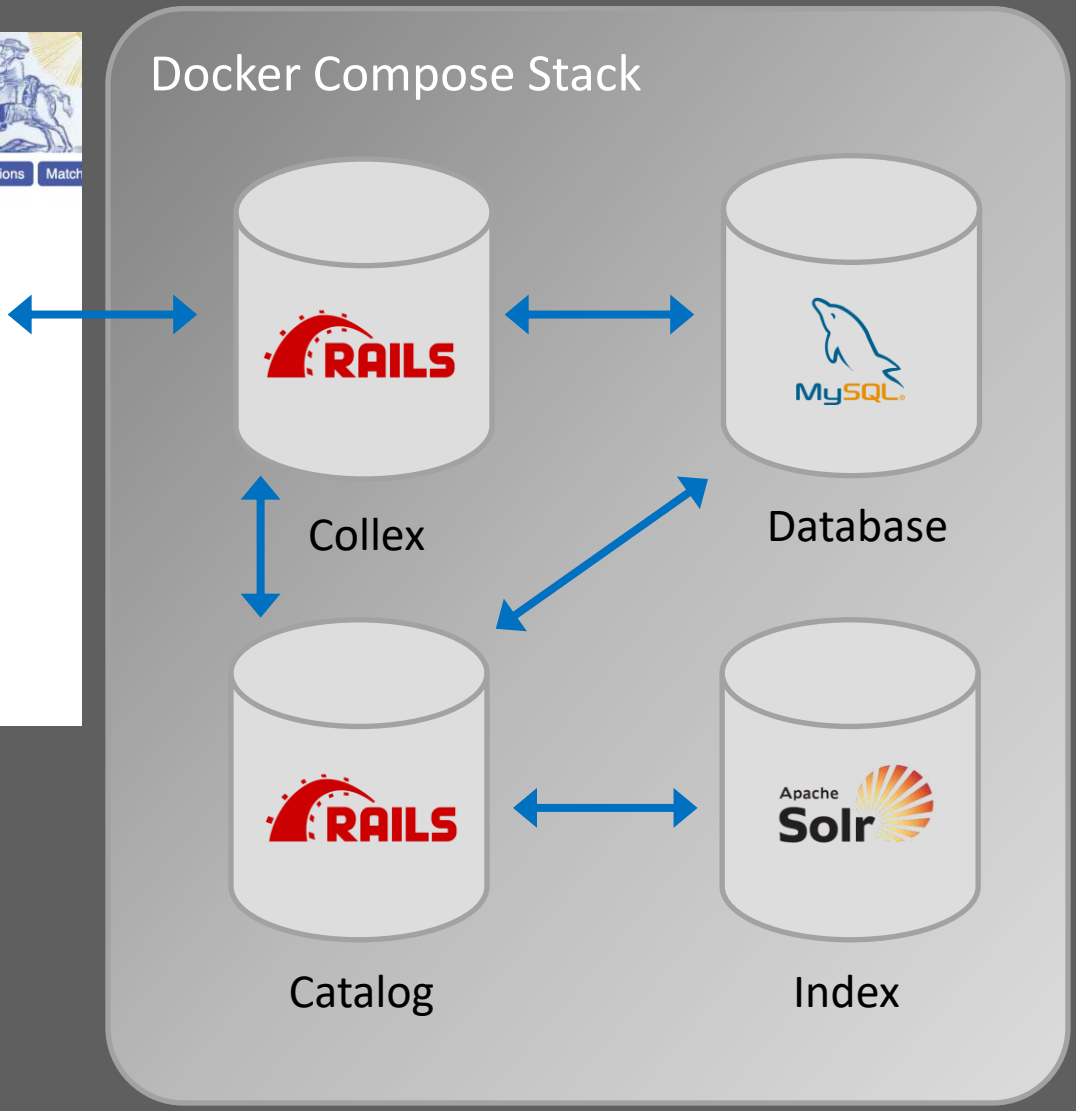
Dr. Bryan Tarpley
bptarpley@tamu.edu

Lead Software Applications Developer
Center of Digital Humanities Research
Texas A&M University
http://codhr.dh.tamu.edu

Associate Director of Technology
Advanced Research Consortium
http://ar-c.org

Challenge #1: Containerization





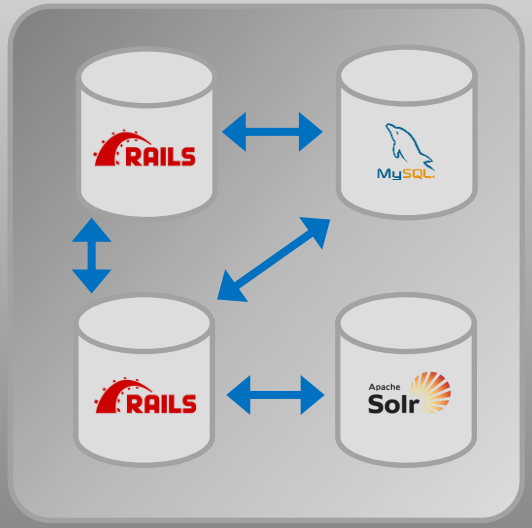
Challenge #1: Containerization

Public Cloud

Full root access for Adeel

2GB RAM, 2 CPU Cores

200,000 Records Indexed

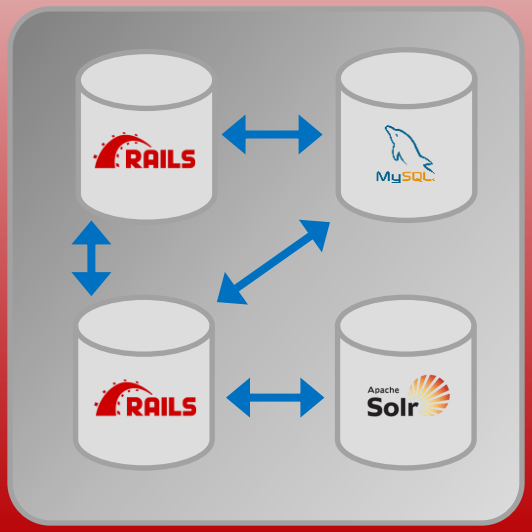


Public TAMU

HTTPS port exposed

32GB RAM, 8 CPU Cores

1 Million Records Indexed

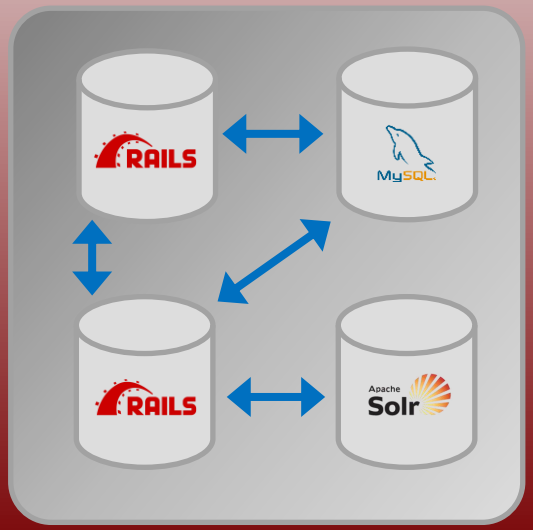


Private TAMU

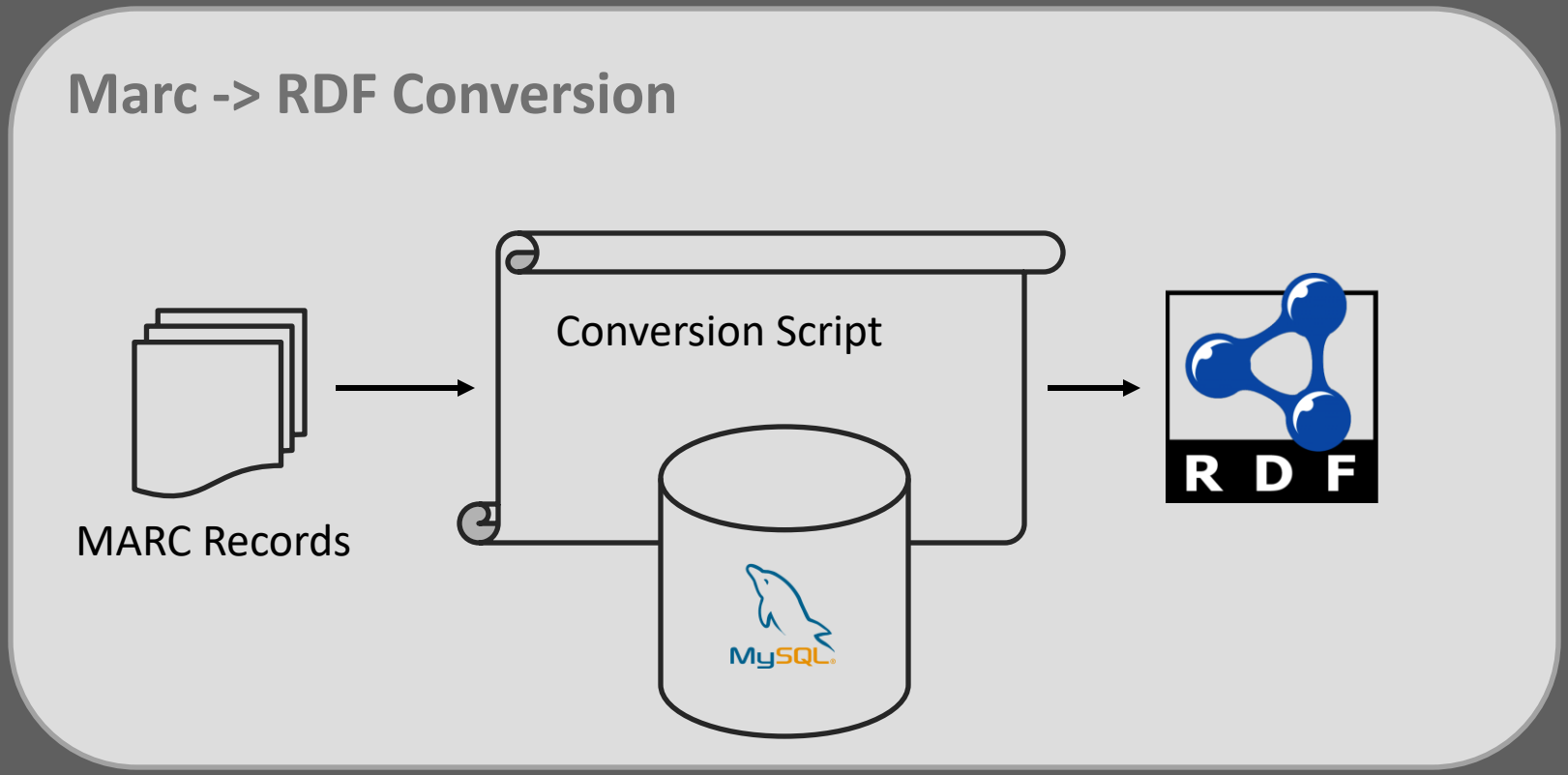
No outside access

64GB RAM, 32 CPU Cores

4 Million Records Indexed



Challenge #2: Wrangling Big Data

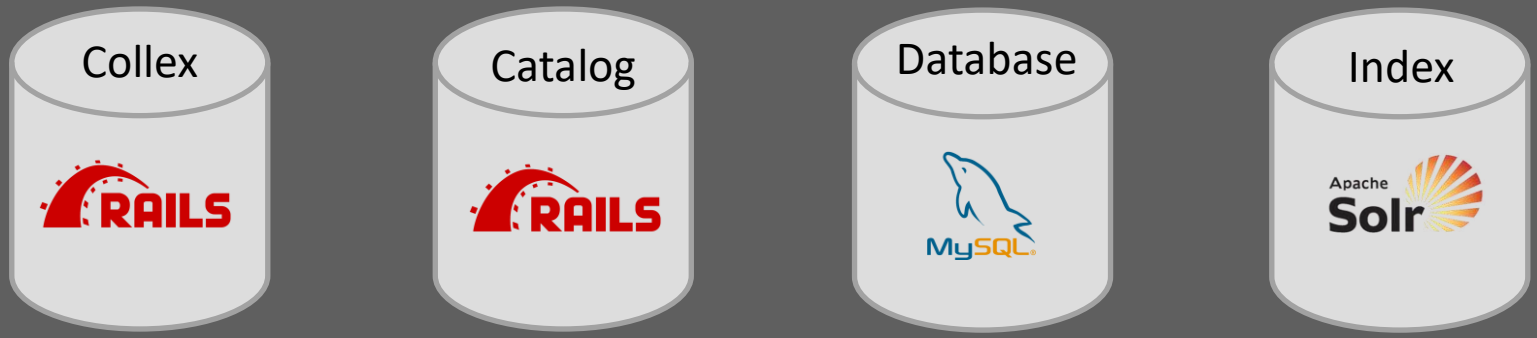


Challenge #2: Wrangling Big Data



Challenge #2: Wrangling Big Data

Total RAM Usage: ~25GB

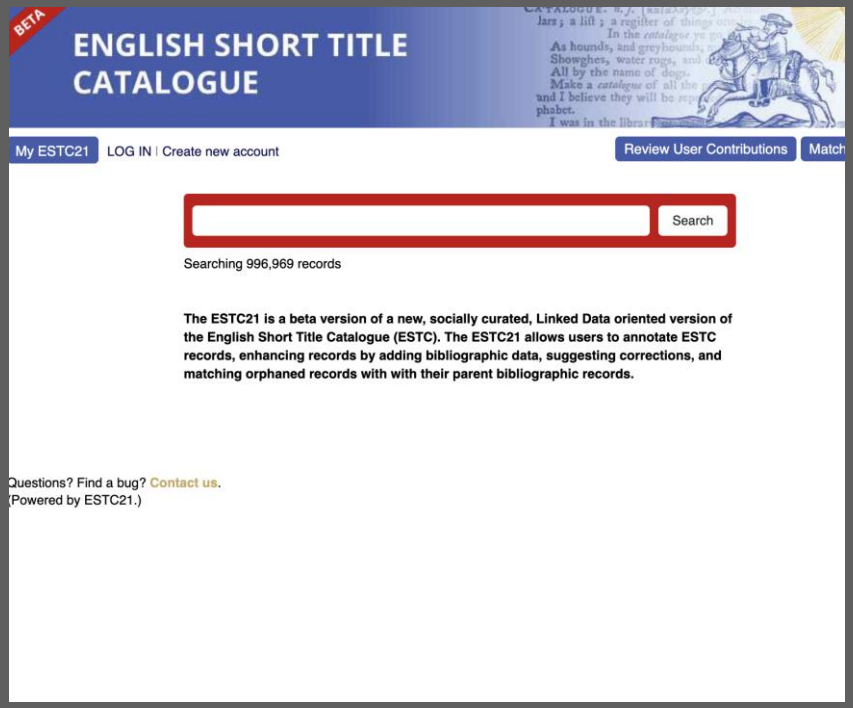


2GB | 17GB | < 1GB | 5GB

Future Directions

- Continue to investigate how to **speed up query performance** for the current architecture, and produce a production ready version of the ESTC21 project.
- **Explore other architectures**, i.e. incorporating document based databases for keeping track of annotations, other indexers like Elasticsearch which more readily scale, and graph databases like Neo4J or Blazegraph for the purpose of querying linked-open-data
- Perform **named-entity-recognition** and coreference resolution on our unique set of persons, subjects, etc. for the purpose of **linking up to existing URI's** in knowledge graphs like VIAFF and Wikidata.
- **Mint URI's** for entities not existing in knowledge graphs.

Demo


BETA
ENGLISH SHORT TITLE CATALOGUE
My ESTC21
LOG IN | Create new account
Review User Contributions
Match
Search
Searching 996,969 records
The ESTC21 is a beta version of a new, socially curated, Linked Data oriented version of the English Short Title Catalogue (ESTC). The ESTC21 allows users to annotate ESTC records, enhancing records by adding bibliographic data, suggesting corrections, and matching orphaned records with with their parent bibliographic records.
Questions? Find a bug? Contact us.
(Powered by ESTC21.)

Questions?

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brian.geiger@ucr.edu

Bryan Tarpley
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