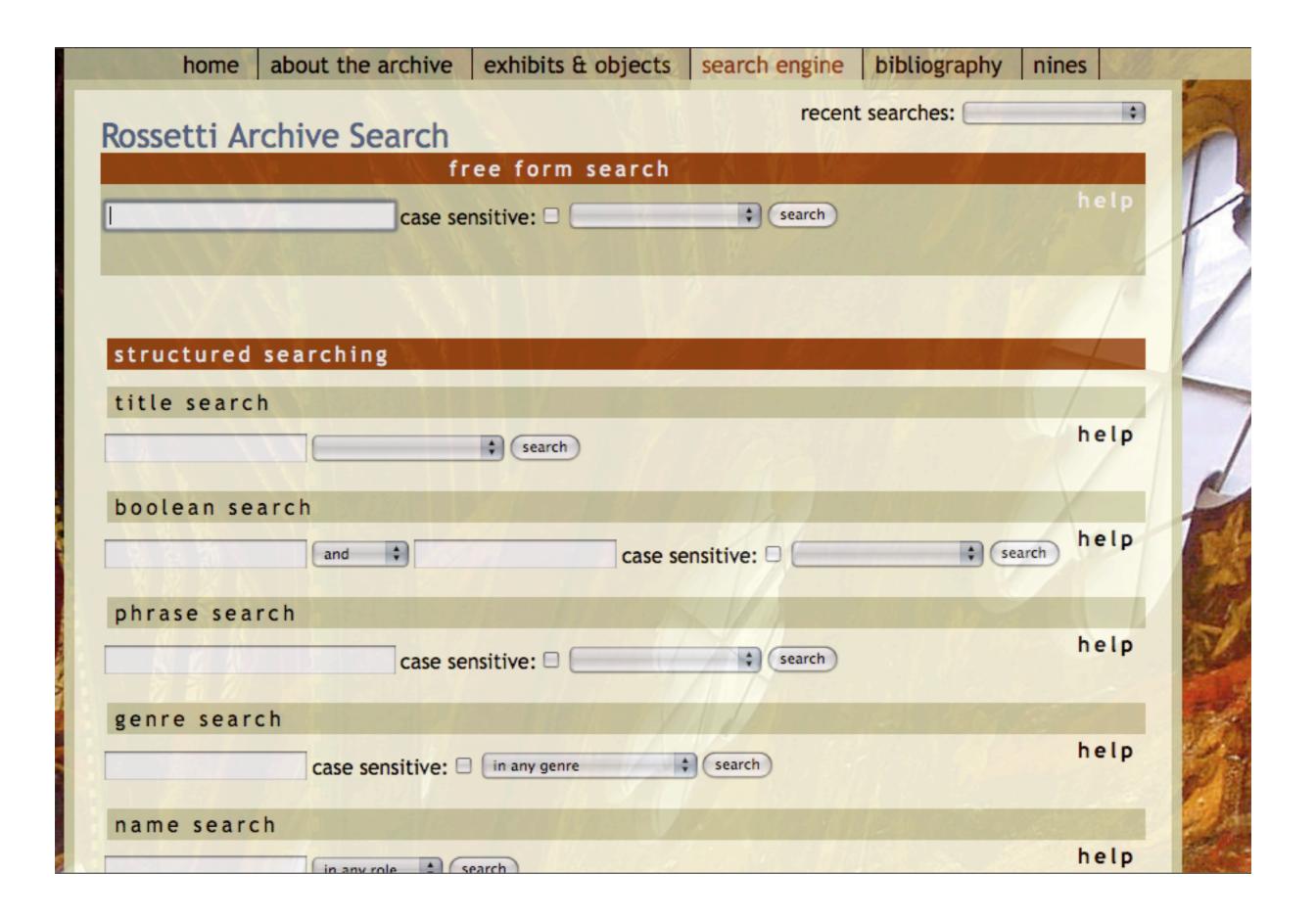
# Lucene/Solr Case Studies

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Amsterdam
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# Lucene Development with Ant

### Rossetti Archive

- Purpose: Dramatically improve findability and serendipitous discovery of Rossetti materials
- Data Source: TEI-like XML
- Challenges: case sensitive search, academic relevance tuning
- Technologies: Lucene, Tapestry
- http://www.rossettiarchive.org/rose/



Rossetti Archive	Search	recent searches	:
1 2 6 1 1 1/4 1 60	free form sear	:h	The Files Vi
+wombat +archivetype:rap	case sensitive:	search	help
			new search
		- 2 of 2 results (page	e 1 of 1 pages)
1: Death of a Wombat 1869	November 6 - pen and ink - 1 rep	roduction   More like this	
I never reared a y	oung Wombat To glad me with his	oin-hole eye, But when he most was	s sweet & fat And
tail-less; he was sure to die!	oung monder to great the trial the		
2: Mrs. Morris and the Wo	nbat 1869 (circa) - pen and ink - 1	reproduction   More like this	

## Collex

- Purpose: Build search/discover/share platform for scholarly objects, starting with 19th century domain (NINES) but aiming general purpose.
- Data Sources: RDF and MARC
- Challenges: Tagging update speed
- Technologies: Solr, Ruby on Rails
- http://www.collex.org



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Search

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### LIMIT BY RESOURCE

Select a resource with which to narrow your search.

### ▼ PROJECTS (93 objects)

The Rossetti Archive (15 objects)

→ The William Blake Archive (78 objects) [remove]

#### LIMIT BY GENRE

Select the genres to include in your search.

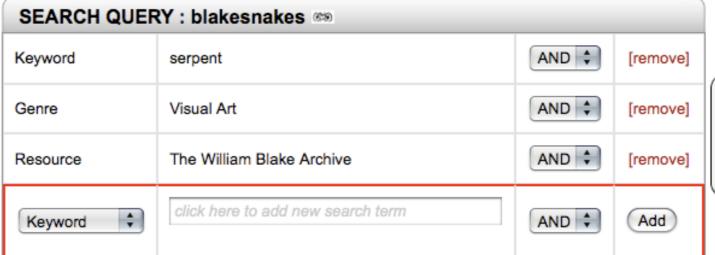
#### Poetry (78 objects)

→ Visual Art (78 objects) [remove]

#### LIMIT TO FREE CULTURE

'Free Culture' resources are freely available in their full form on the Internet.

Free Culture Only (78 objects)





Displaying 10 \$\dip \text{ objects per page.}

#### SEARCH RESULTS: 78 OBJECTS FOUND

[select all] [collect selected] [tag selected] [expand all items]

1 2 3 4 5 6 7 8 >>

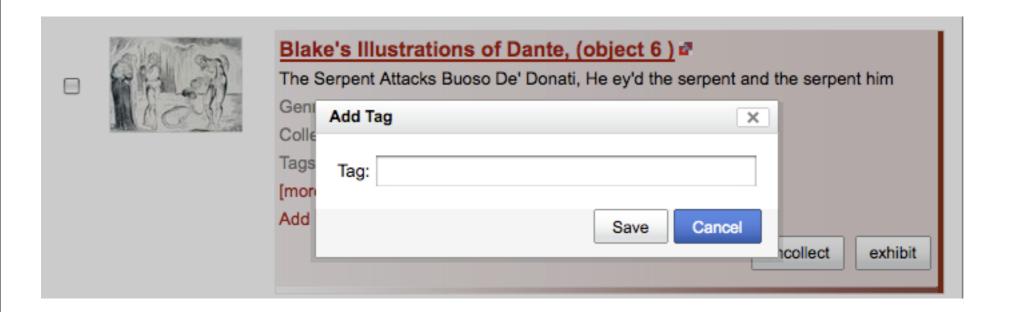


### Blake's Illustrations of Dante, (object 6)

The Serpent Attacks Buoso De' Donati, He ey'd the serpent and the serpent him

Genre: Visual Art; Poetry

Tags: Collect this item to add tags



WHAT ARE TAGS? A tag is simply a word you use to descibe an object you find in NINES. Tags make it easy to organize and browse large collections. To join two words together use a hyphen (oil-painting) or an underscore (oil painting).

filter tags

america american american-art americana and angel animals annuals antebellum architect arnold art art-criticism art-history arthur arthurian article atr baby bachelor beard beatrice binding binding\_commentary blake borgia botticelli bronte browning byron caricature casson cather cenci christina-carroll-rossetti citation commentary comrade corelli corpus criticism crucifix crystal-palace culture dante death decorative-arts dgr dickinson digital-

This exhibit is not peer reviewed.

### An Introduction to D.G. Rossetti

Jerome J. McGann

The Life





ante Gabriel Rossetti was born in London on 12 May 1828 and he died on Easter Day, 9
April 1882. He spent nearly his entire working life in the city of his birth, and indeed he only
left Great Britain three times, in each case but the first quite briefly. Though his work is
steeped in Italian traditions (both poetical and pictorial), Rossetti never visited Italy. He is first and
always an English - more, a London - writer and artist.

His father was the celebrated (and controversial) Dante scholar and Italian political exile Gabriele Rossetti (1783-1854). His mother Frances (1800-1886), much younger than her husband, was Anglo-Italian, Polidori on her father's side. (Her brother, Dr. John Polidori, was Byron's doctor and companion during the first part of his exile from England in 1816.) Rossetti had three siblings, two younger than himself. All were remarkable. His sister Christina (1830-1894) became as distinguished a poet as her brother. His brother William Michael (1829-1919), a writer himself, edited his brother's work after the latter's death and served as the first archivist and historian of the Pre-Raphaelite movement. His other sister was the oldest child, Maria Francesca (1827-1876); she published a commentary on Dante and became an Anglican pun

# Blacklight

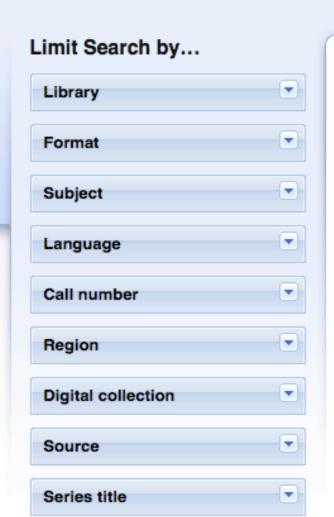
- Purpose: Open source scalable clean next generation library discovery interface.
- Data Sources: MARC, Fedora, EAD, ... anything
- Challenges: academia, competitors
- Technologies: Solr, Ruby, Rails, Java indexer(SolrMarc)
- "A process, not a product"
  - http://code4lib.org/node/177
- http://blacklightopac.org/

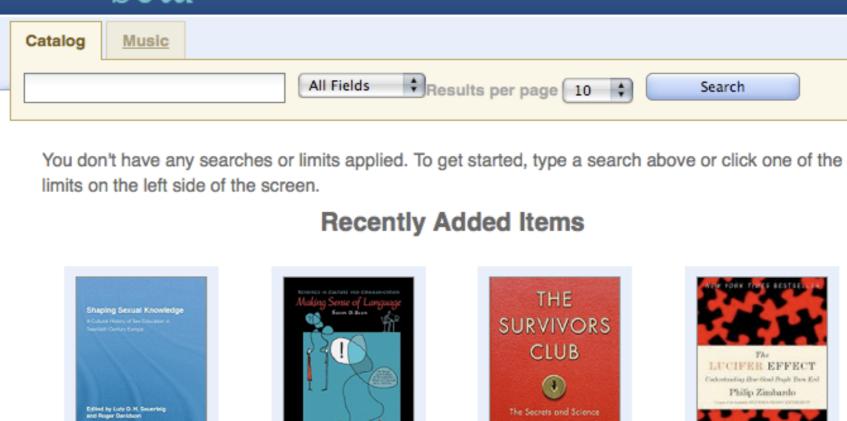




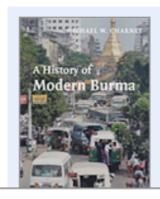
UVA, is in its testing phase. Try it out below and tell us what VIRGO VIRGObeta, a library discovery interface created here at



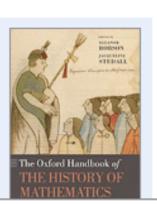












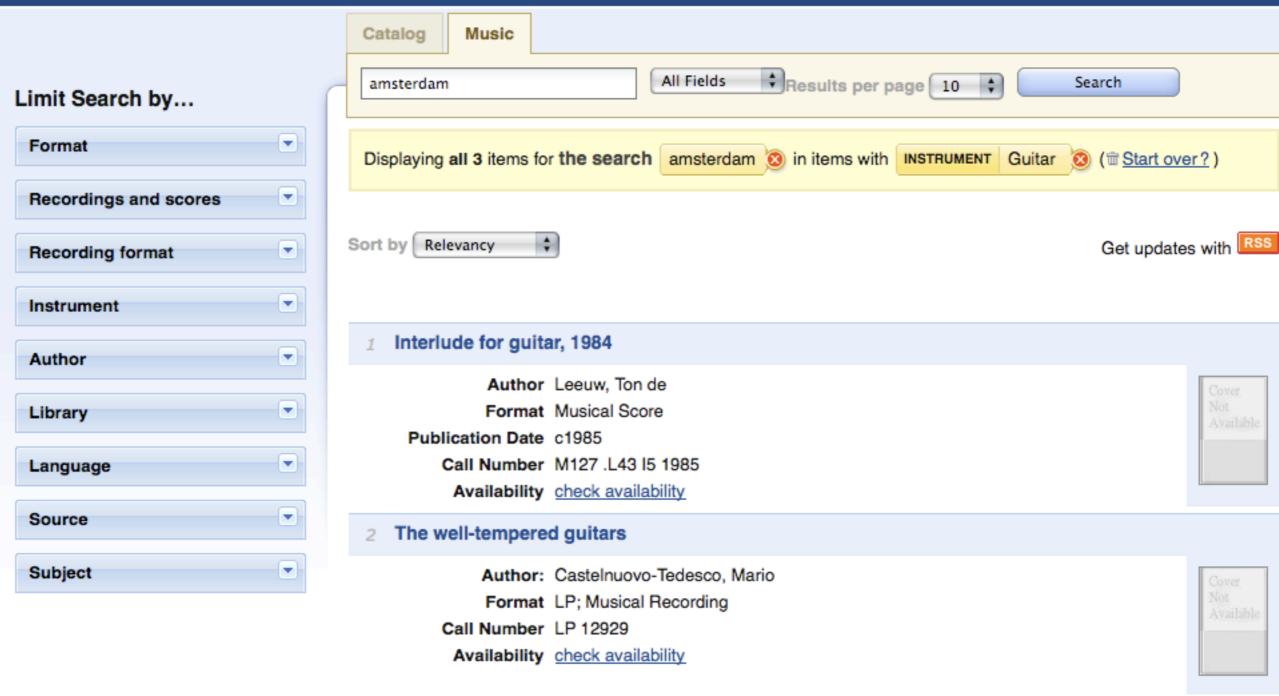
Philip Zimburdo

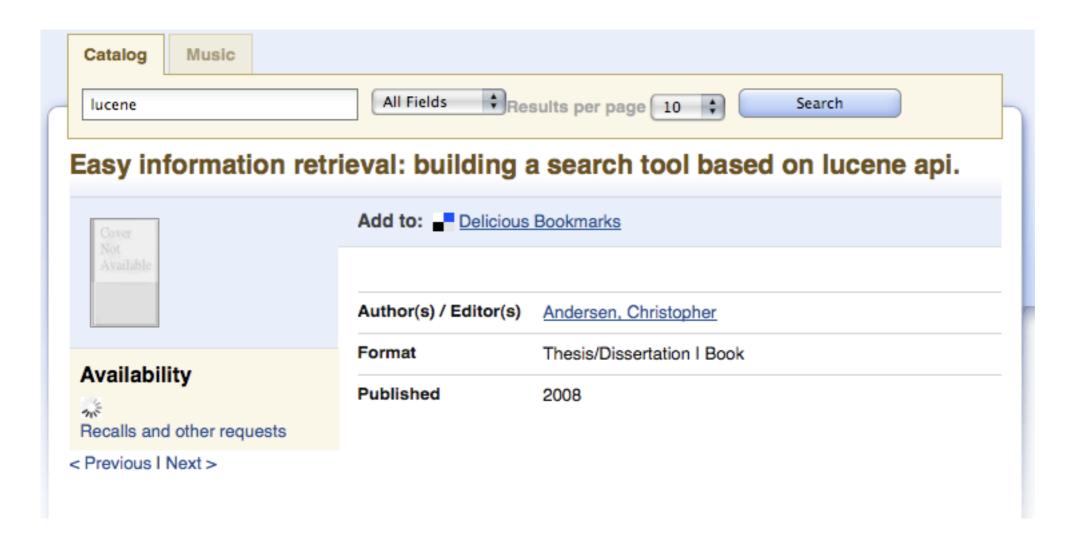




VIRGObeta, a library discovery interface created here at UVA, is in its testing phase. Try it out below and tell us what you think, read more about it, or go back to







# Blacklight story

 Bethany Nowviskie, Bess Sadler, and Erik Hatcher. "Adapting an Open Source, Scholarly Web 2.0 System for Findability in Library Catalogs." Library 2.0 Initiatives in Academic Libraries. (Laura Cohen, ed.). Association of College and Research Libraries: Chicago, 2008.

### Flare

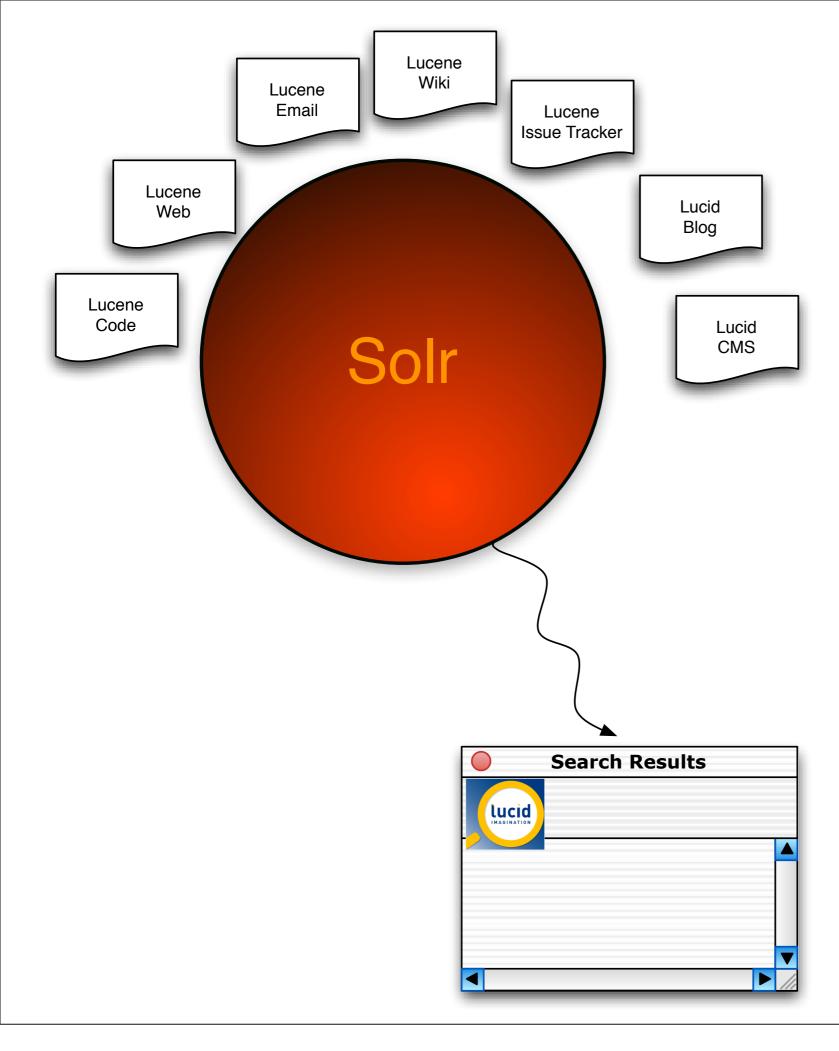
- Distilled from Blacklight development, proof-of-concept Rails plugin
- Features: suggest, saved searches, pie chart faceting, Simile Timeline/Exhibit integration
- http://wiki.apache.org/solr/Flare

## Solritas

- Light-weight Velocity templated Solr output
- rapid prototyping
- http://wiki.apache.org/solr/Solritas

### LucidFind

- Purpose: Company technology showcase, community focused service. Indexed lucene.apache.org/\*: wiki, web, code, issues, e-mail, nice UI
- Challenges: None to speak of
- Technologies: Solr, PHP, Ant
- http://www.lucidimagination.com/search





BETA

Q

Search within: Lucid site Lucene wikis and web Lucene issues, email, and code Lucid site, Lucene wikis and web



	Options
PROJECT	clear facet
Lucene (68849)	
Solr (35512)	
Nutch (25838)	
Tika (2040)	
Mahout (3304)	
Droids (356)	
PyLucene (223)	
Lucene.Net (3024)	
Lucy (246)	
Lucene4c (132)	

Start new search
SOURCE clear facet
Lucid (102)
Wiki (2608)
Apache Lucene Web (80)
Email (108527)
user (76667)
dev (31860)
Issues (26841)
open (5134)
closed (21707)
main issue (3904)
comment (22937)
Code (1451)

19

# Powered by Ant

```
$ ant -p
```

Buildfile: build.xml

### Main targets:

index-web

archive-focus-logs Archive rolling log files for posterity commit Commit to Solr Delete specified source from index index-code Index Lucene projects code Index-issues Index JIRA issues and comments index-lia Index Lucene in Action (1st edition) index-lucid Index Lucid site and articles index-mail Index mail

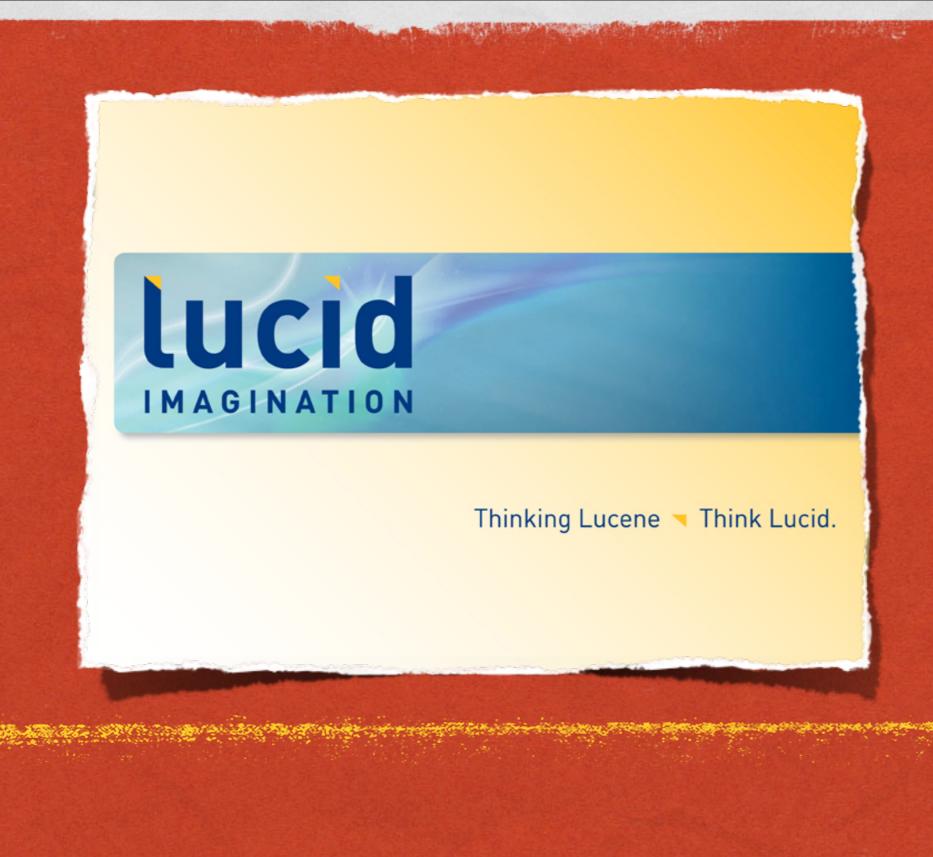
Index Lucene web content

index-wiki Index Lucene wiki optimize Optimize Solr index

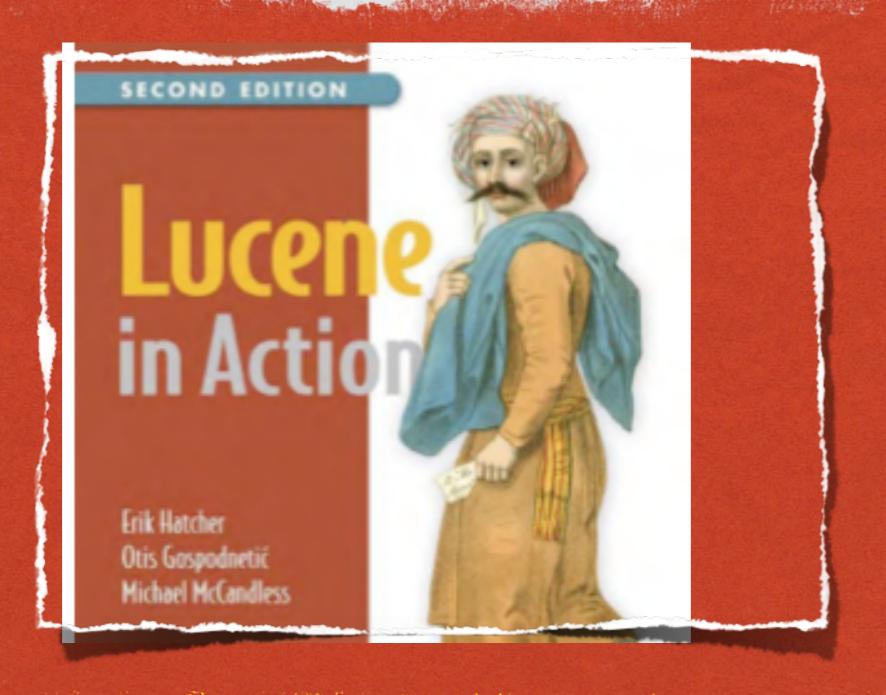
# Questions?

# Answer:

"it depends"



lucidimagination.com



### e-book now available!

Print coming this summer http://www.manning.com/hatcher3