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# A Peek at Searchable MarkLogic Documentation

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# About Me

- 7 Years at MarkLogic
  - Released 2.1 the day I started
  - MarkLogic was approximately 35 people
- Been working with enterprise technical documentation since the early 90s
- Previous gigs included Oracle, Red Brick, nQuire, BEA
- Primary mission is to create new content
- Team is now 3 (including me)
- Believe in using the product in order to document it

# Eating Our Own Dog Food

- How the searchable doc project started: WebWorks story
- “We should use MarkLogic to do that....”
  - Try out new features
  - Understand application development
  - Explore “best practices”
  - Develop expertise, practical experience
  - Find things that are hard, help to make them easier
- Not just search, but an application

# Requirements

- Handle heterogeneous content from:
  - FrameMaker
  - API Documentation (home-grown XML)
  - HTML (javadoc, dotnet doc)
  - Help (in schema files)
- Full-text search (of course)
- Master table-of-contents
- Different styles of learning/discovery (browse vs search)
- Single source
- Fully automatable – nightly doc builds

# Solution Evolved With Product

- CPF processes to make XML more useful:
  - Add structure to “flat” Unstructured FrameMaker XML
  - Add attribute to apidoc combining lib and name
  - Add book/chapter title attributes to each guide XML file
  - Could use some more to improve faceting (they are easy to add)
- Search API
  - Improved functionality
  - Eliminated 1000s of lines of code
  - Improved performance
  - Made adding facets easy
- Search-for-API wildcard optimization
- AJAX (particularly useful for large TOC load, and just plain cool)

# Demo

- [developer.marklogic.com/docs](http://developer.marklogic.com/docs) (click on button at right)
- [docs.marklogic.com](http://docs.marklogic.com)
  
- Sample Searches
  - hello
  - hello cat:xcc
  - hello -(cat:xcc)
  - xdmp:es
  - request-timestamp
  - Search API

# Futures

- Even better usability
- Prettier
- Comments ? [do y' all like comments for official documentation?]
- Load-as-needed TOC
- Better faceting
- Clean URLs/REST API (think eclipse integration, etc)
- search:suggest
- Ideas???

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