Report it All, or Any Question, All the Answers

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THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS
Introduction

Billy Rawles, Senior Database Engineer
38 years IT experience
28 Years with Church History

The Church of Jesus Christ of Latter-Day Saints

World Wide Church
14 Million Members
Church Headquarters in Salt Lake City, Utah.
Church History Library

Collections consist of manuscripts, books, Church records, photographs, oral histories, architectural drawings, pamphlets, newspapers, periodicals, maps, microforms, and audiovisual materials. The collection continues to grow annually and is a prime resource for the study of Church History. Our collection contains approximately:

- 270,000 books, pamphlets, magazines, and newspapers
- 240,000 collections of original, unpublished records (journals, diaries, correspondence, minutes, etc.)
- 13,000 photograph collections
- 23,000 audiovisual items
- Library, Archives, and Museum collections
History

• We implemented Aleph in October 2010

• Old System
  – Adhoc reporting
  – Report all tags and subfields
  – Integration with other Church systems

• New Requirement
  – Real-time component for circulation
Church Reporting Application

• Based on Oracle Business Intelligence
  – purchased from Oracle
  – capabilities include enterprise reporting, ad hoc query and analysis, dashboards

• Implemented by the Church for worldwide reporting

• Contains data from many Church applications

• Church-wide security
Church Reporting Application

• Real-time data
  – based on Oracle tables

• Warehouse data
  – extract data and save in the warehouse

• Historical Warehouse Data
  – warehouse data that is not current
Real-Time Data

• Data from any oracle table or view

• Reports
  – can be utilized in real-time reports
  – related to warehouse data

• Dashboard
  – Displays data
  – Refresh display for a real-time view
Real-Time Data Usage

• Circulation is the prime data for real-time processing

• Dashboard
  – Hold Requests
  – Loans

• Reports
  – Patron loans
# Circulation Dashboard

Display current circulation hold requests

<table>
<thead>
<tr>
<th>Outstanding Requests</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Alert Elapsed Time</strong></td>
</tr>
<tr>
<td>----------------------</td>
</tr>
<tr>
<td>0 Days 0 Hours 37 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 31 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 27 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 20 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 15 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 7 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 5 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 5 Minutes</td>
</tr>
<tr>
<td>0 Days 0 Hours 4 Minutes</td>
</tr>
</tbody>
</table>
Data Warehouse

• Available Data
  – BIB, HOLDING, and Authority data*
    • All tags and subfields
    • From Aleph XML export
  – Aleph Oracle tables
  – Other Church Applications
Many Reporting Options

• Complex queries
• Searching
• Sharing
• Scheduled reports
• E-mail
• Formatting
• Personalized views
• Personal dashboard
• Time savers
• Etc.
Left Panel
Right Panels

Result Objects

To include data in the report, select objects in the Data tab and drag them here. Click Run Query to return the data to the report.

Query Filters

To filter the query, drag predefined filters here or drag objects here then use the Filter Editor to define custom filters.
Data Available

Bib
  - Bib Attributes
    - Bib Id (001)
    - Bib Date Created (005)
    - Bib Updated Date
    - Bib Warehouse Update Date
    - Bib Format (FMT)
    - Bib Leader (LDR)
    - Bib Hmms Control Field (003)
    - Bib Fixed Field (008)
    - Bib Main Entry (100a, 110a)
    - Bib Call Number (090a, 099a)
    - Bib Title (245a, 130a, 240a)
  - Bib Count
    - Bib DELa
    - Bib LDRu
    - Bib OWNa
    - Bib SIDa
    - Bib SIDb
    - Bib STAa
  - Bib CAT
  - Bib LKR
  - Bib 0XX Subfields
  - Bib 1XX Subfields
  - Bib 2XX Subfields
  - Bib 3XX Subfields
  - Bib 4XX Subfields
  - Bib 5XX Subfields
  - Bib 6XX Subfields
  - Bib 7XX Subfields
  - Bib 8XX Subfields
  - Bib 9XX Subfields
Questions and Answers

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