VuFind search engine & portal software

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Where it all started...

• The SWWHEP Project - http://www.swwhep.ac.uk/
VIRTUAL ACADEMIC LIBRARY PROJECT

Budget of £1 million

Goals

Reciprocal borrowing for all staff and students

Physical and electronic document delivery between the three institutions

Implementation of RFID technology in all three library services

Shared storage of low use research material
SWWHEP Project Background

VIRTUAL ACADEMIC LIBRARY PROJECT
Budget of £1 million

Goals
An exploration of opportunities for the single management of services between Swansea University and Swansea Metropolitan University
A co-ordinated approach to staff development
Shared implementation of new services and process development
Shared access to library catalogues and if feasible e-resources
Why VuFind?

Requirements

- 3 LMS's = 1 discovery interface
  - Ex Libris Voyager
  - SirsiDynix Horizon
  - Talis Alto / Prism
- Full 'next generation' interface
- Customisable
- Integrate Federated Search
- Cost

http://vufind.org/
Why VuFind?

Proprietary ruled out
Functionality
Cost
Flexibility

Exception: Federated Search
No viable Open Source Alternative
Support & Knowledge Base

Integration capabilities

VuFind Chosen
Rich functionality
Strong community
Flexible
Stable
Easy to set up
Known technologies
'Lowest risk'
Possibility of Integration with SFX / MetaLib
Why Vufind?

Vufind is a library resource portal designed and developed for libraries by libraries. The goal of Vufind is to enable your users to search and browse through all of your library's resources by replacing the traditional OPAC to include:

- Catalog Records
- Locally Cached Journals
- Digital Library Items
- Institutional Repository
- Institutional Bibliography
- Other Library Collections and Resources

Vufind is completely modular so you can implement just the basic system, or all of the components. And since it's open source, you can modify the modules to best fit your need or you can add new modules to extend your resource offerings.

News

2.0alpha Preview Available; 2.0beta Underway
July 02, 2012 - The first feature-complete preview release of Vufind 2.0 has been completed. Built using Zend Framework, this is the first step in moving Vufind to a more modern architecture. The preview release demonstrates all of the existing Vufind 1.x functionality while also filling in several gaps (including a more full-featured mobile theme and more consistent treatment of Summon and WorldCat records). This release is NOT INTENDED FOR PRODUCTION USE, as the architecture is still under development and many implementation details are still subject to change. However, it should serve as a taste of things to come, and comments/bug

Releases

Downloads
Visit the download page for the latest version of Vufind.

History
For a chronology of Vufind releases and features, see the change log.

Getting Started
Our documentation will help you get started with installation and
Moving to VuFind

Requirements for Multi Site Implementation

1 Solr record for up to three institutions
Connections and drivers to three LMSs
Methods of Authentication
“Additional Functions” – Place Hold, Cancel Hold, Renew Items
..plus multitude of interface tweaks & improvements
VuFind 1.0

- LMS DB
- Web Services
- Website
- LMS Driver
- PHP Core
- Authentication Factory
- Authentication Driver
- Solr
- SolrMarc
- Marc Records
- Mysql
- LMS DB
- Web Services
- Website
- LMS Driver
- PHP Core
- Authentication Factory
- Authentication Driver
- Solr
- SolrMarc
- Marc Records
- Mysql
VuFind Multi LMS

- LMS DB
- Web Services
- Website
- LMS Drivers
  - Controller
  - PHP Core
    - Authentication Controller
      - Authentication Factory
      - Authentication Driver
  - Solr
    - SolrMarc
      - Marc Merge
      - Marc Records
  - Mysql

Swansea University
Prifysgol Abertawe

eifl seminar 26/7/12
Challenges?
Development: Open Source Mediclorians

O’Sullivan Shambrarian Scale

No Skills

Master Programmer

HTML  UNIX  SOLR  SSL  LDAP
APHACHE  AJAX  MARC  OOP  JANGLE
XML  CSS  PHP
SQL  JAVASCRIPT  UNIX  XML  SQL

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Merging Marc Records

Solution

Get data Marc data expert to merge the Marc records for you

001 field becomes 13-digit ISBN or unique institution code plus Institution BIB ID (e.g. LIB12345)

Each BIB ID is placed in the 969 field with a unique institution code

969|a LIBA  |b LIBA1070780
969|a LIBB  |b LIBB44661
969|a LIBC  |b LIBC78504

Solr Biblio Schema Modified

..daily merge / upload script to keep in sync with LMS’
Challenges?

General...

- Politics
- Associated Software / Technologies
- Jangle
- Apache / LDAP
- Maintaining parity with trunk
- Raising Errors / Testing
The success of open source

by Weber, Steve, 1961-

Published: 2004

Call Number: Swansea University : QA76.76.S46 W43 2004

Located: Swansea University : Library and Information Centre (LIC) - One Week Loan

Available (Swansea University)
Renewable energy: power for a sustainable future /

edited by Godfrey Boyle.

Other Author(s): Boyle, Godfrey., Open University.

Format: Book

Language: English

Published: Oxford : Oxford University Press in association with the Open University, 1996

ISBN: 0198664511 (pbk)
019866462X (cased)

Subjects: Renewable energy sources.

Tags: No Tags, Be the first to tag this record!

Swansea University

LIC - Not for loan - Library use only

Call Number(s): TJ153 >REN

Available Copies: 1

Copy Information
The end of SWWHEP

- **Successes**
  - iFind Discover as primary search interface for Swansea University
  - Procurement

- **Failures**
  - SWWHEP fails to get second phase approval
  - Lack of true institutional collaboration and willingness to proceed
VuFind Rebooted

*Swansea University only focus*

Proprietary ruled out

Cost

VuFind Success

New Priorities

Sustainability

Support

Documentation

ReBranding Exercise
VuFInd Rebooted - Platform

• Hardware / Software
  • Ubuntu install on Virtual machine environment – resilient, easily upgraded
• Live & testing / development installations
• Staff Resourcing
  • Service supported by ‘Collections Services & Systems and Web Services Team
  • ‘Library Systems Developer’ post
• ..support structure gives resilience & depth of support / development
Dangos 1 - 20 o 201 results for
software development

1

Embedded software: first international workshop, EMSOFT 2001, Tahoe City, CA, USA, October 8-10...
Cylcheddwyd 2001

Pynciau: "...Computer software Development Congresses..."

QA76.12.L2

2

Software process: principles, methodology, and technology /
Cylcheddwyd 1999

Pynciau: "...Computer software Development ...

QA76.12.L2
The old steam navy / by Canney, Donald L., 1947-

ISBN: 0870210041 (v. 1)
ISBN: 0870215868 (v. 2 : acid-free paper)
Published: Annapolis, Md. : Naval Institute Press, 1990


Tags: No Tags, Be the first to tag this record! + Add

Item Description: Mine collection.
Language: English

Holdings

LIC - Milne Folios - Locked store - ask at Issue Desk

VA55 .C28 1990

Holdings: v. 1-2

Where is this item? (beta)

2 of 2 available

Copy 1

Copy 2

Available Loan Type: LibUseOnly
VuFind Features: Authentication

- LDAP
- ILS
- DB
- Shibboleth
- MultiAuth
VuFind Features: My Account
VuFind Features: Community

• Developed and maintained by Villanova University's Falvey Memorial Library.
• Lead Developer – Demian Katz (demian.katz@villanova.edu)
• 3 mailing lists
  • admins
  • tech
  • general
• Monthly online developers meeting
• JIRA issue tracking
• Subversion SVN repository
• VuFind Conferences
VuFind Features: Developing

1. Discuss ideas with the VuFind Community and consider parallel development with interested parties
2. Code sharing
   • Create a branch in the VuFind SVN Repository
   • Submit patches via JIRA (includes voting mechanism)
1. Critical review from Demian / VuFind Community
3. Integration with Trunk
VuFind Features: Swansea Developments
Live Functions: Place Hold, Cancel Hold, Renewals
VuFind Features: Swansea Developments

Live Functions: Place Hold, Cancel Hold, Renewals
VuFind Features: Swansea Developments

Favourites Management

- Favourites
  - Sort: Relevance
  - Select Page
  - Print
  - Export
  - Delete
  - Email

1. Dychych symmunwird: yn cynnwys arnwyw gyflywau yn dal porthnas a Swpwy yr Arglwydd: ac hedy anarchyd a rhaglenni a'r angenheithwyrdd o gyflywio eu hunain i wasanaeth. Dwyn mawr eu hoes
   by: Pugh, Hugh, 1903-1960.
   Tags: Book

2. Traethawd ar swpwy yr Arglwydd
   by: King, David, 1806-1883.
   Tags: recreation, shakespeare
   Book

3. Perthyn i Grif : ilawyfr i gymunwyr ieuainc
   by: Roberts, D. J
   Tags: Test
   Book

- My Account
  - Dashboard
  - Favourites
  - Items On Loan
  - My Requests
  - Fines and Charges
  - Profile
  - My Saved Searches

- Lists
  - recreation (3)
  - Shakespeare (1)
  - Test (1)

- Tags
  - recreation (1)
  - shakespeare (1)
  - Test (1)
VuFind Features: Swansea Developments

Book Bag

[Image of a screenshot showing a page from a book with options to select, print, and add to bookbag. The book is titled "Rugby" by Jennings, David, 1938- and published in 1993. The subjects are "Rugby, Union football, Study and teaching." The book is available in the Library and Information Centre (LIC) with a normal loan period.]

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VuFind Features: Swansea Developments

Book Bag

7 items

- Select Page
- Save Selected
- Email Selected
- Export Selected
- Print Selected
- Delete Selected
- Empty Book Bag

- Wales: an anthology
- Wales
- Wales
- Wales
- Rugby: steps to success
- Rugby in Wales
- Think rugby: a guide to purposeful team play
VuFind Features: Current Developments
Archives & Hierarchical Data

• Joint project with National Library of Ireland and National Library of Finland
• Develop a VuFind Collections Module
• Convert Hierarchical EAD XML into individual, augmented, context aware records
• Display records using a hierarchical tree
• Combine power of VuFind search with traditional hierarchy browse features
VuFind Features: Current Developments
Archives & Hierarchical Data
Archives & Hierarchical Data

Typescript of Cat and Dog
Written for television as a thirty minute comedy

Full description

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Origination:</td>
<td>1954-2004</td>
</tr>
<tr>
<td>Reference Number:</td>
<td>VMAER 1517</td>
</tr>
<tr>
<td>Format:</td>
<td>Archival Material</td>
</tr>
<tr>
<td>Extent:</td>
<td>1 item</td>
</tr>
<tr>
<td>Repository:</td>
<td>Swansea University Archive</td>
</tr>
<tr>
<td>Repository Code:</td>
<td>0217</td>
</tr>
<tr>
<td>Tags:</td>
<td>No Tags, Be the first to tag this record!</td>
</tr>
</tbody>
</table>

Description

- Manuscript and typescript carbon copy of That Old Black Pasture
- Draft of That Old Black Pasture (manuscript and typescript pages)
- 2 Camera Scripts of Where Darts the Car, Where Floats the Wreck
- 2 typescripts of Merrily, Merrily Shall I Live Now
- Typescript of Merrily, Merrily Shall I Live Now
- Typescript of Death of a Dog
- 2 rehearsal typescripts for Uncle Rollo
- Typescript draft of What's In The Blood
- Typescript and carbon copy of Everybody Loves Saturday Night
- 2 typescripts of Everybody Loves Saturday Night
- Manuscript and 2 typescript drafts of From Via To
- 3 typescripts of Felix 'Tubbo' Evans
- Typescript of Cat and Dog
- Diaries
- Published Novels
- Press Cuttings and Reviews
- Miscellaneous
- Poetry
- Correspondence
- Contracts and Royalty Statements
- Notebooks
- Non Fiction Writings
VuFind Features: Current Developments
Archives & Hierarchical Data
Archives & Hierarchical Data

Welsh Writers in English

Typecript of Cat and Dog

Description: Written for television as a thirty minute comedy

Reference Number: YWME
Format: Archival Material
Extent: 1 item
Repository: Swansea University Archive
Repository Code: 0217
VuFind Features: Future Developments

• Indicate if an item is part of a reading list
• Augment “similar items” suggestions
• Integrate “My Reading Lists” into VuFind Account
• “Suggest for reading list” option
• Generate reading list statistics
VuFind Features: Future Developments

- Use Primo Central Solr “Blender”
- Augment iFind Discover with results from Primo Central
- Create a basic integrated search
Information Services and Systems

Software

Participants: Randall, B
Type of resource: Articles
Language: en
Subjects: article
Tags: No Tags, Be the first to tag this record!

Holdings

Internet

Fulltext

Search Options
Search History
Advanced Search
Search via RVK-Online
Search Tips

More Information
Recent acquisitions
Ask a Librarian
Suggestions for acquisition

Interlibrary loan
Interlibrary loan information
Interlibrary loan
Interlibrary loan - Medicine
Document delivery
Document delivery - Medicine

Powered by vufind
Thanks for listening!

Questions?

Open discussion?