What’s your mental image when you hear/read the word: Prison
EBSCO Correctional Ed

Bringing High Quality Academic Resources
to Incarcerated Students

Claus Wolf
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About me

Claus Wolf

• Mgr, Library Service Engineering
• >20 years “industry experience”
  − 10 years with EBSCO

• cwolf@ebsco.com
Education makes a difference

…and so do your contributions to VuFind
Did you know?
> 2.3 million prisoners

in the United States (2016)

Source: https://en.wikipedia.org/wiki/Incarceration_in_the_United_States
~66% will reoffend within 3 years of release

Source: https://www.healthypeople.gov/2020/topics-objectives/topic/social-determinants-health/interventions-resources/incarceration
43% reduction in recidivism for incarcerated students who received post secondary education in prison

Source: The Bureau of Justice Statistics
Education Lowers Recidivism

14% for those with Associate’s degree
5.6% for those with Bachelor’s degree
0% for those with a Master’s degree

Source: The Bureau of Justice Statistics
The solution

• Prisons & department of corrections partner with colleges to offer educational programs

• …but, there isn’t easy access to current, academic literature in prisons
<table>
<thead>
<tr>
<th>Prisons will often not be able to simply whitelist EBSCOhost</th>
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<tbody>
<tr>
<td>Incarcerated students may not be allowed to access just any content</td>
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<tr>
<td>Colleges want to empower students to continue their education outside</td>
</tr>
<tr>
<td>Expandability, maintenance and flexibility are important aspects</td>
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</table>

<table>
<thead>
<tr>
<th>No Open Internet</th>
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</thead>
<tbody>
<tr>
<td>Content Controls</td>
</tr>
<tr>
<td>Equal Opportunity</td>
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<tr>
<td>Easy to maintain</td>
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</table>
“…our Correctional Ed students have the ability to grow in information literacy, almost to the degree our free world students can…”

Jeannie Colson
Formerly: Librarian, Lee College Huntsville Center
High-performance asymmetric supercapacitors based on carbon nanotube/graphite nanofiber composites.

New Kinetics Equation for Stress Relaxation of Semi-crystalline Polymers below Glass Transition Temperature.

First International clinical report on implantation of a 3D-printed mobile cervical spinal prosthesis in China.
No Open Internet

• Our first client needed the solution to be able to run on a desktop computer, which serves as a server for a computer lab

• Later we worked with Departments of Corrections & APDS, who provide an intranet for dedicated devices (tablets) in prisons
“When I started at LCHC (Lee College Huntsville Center), only one instructor was attempting authentic research. She did it by bringing several volumes of The Readers’ Guide to Periodical Literature into each unit where she was teaching.”

“…our accreditation agency (SACS-COC) requires colleges to provide library resources […] AND qualified personnel to provide instruction in using the [resources].

Source: Jeannie Colson
VuFind runs on Linux & Windows

• No Internet needed

• Thanks to excellent installation instructions installing VuFind can be achieved by a novice (with some guidance)

• Through modules & themes we were able to extend the solution to meet the needs of the client, without having to touch the core code
Content Controls

• Not all content is created equal, what might be benign to you and me, might be contraband in a prison environment

• Solution may only make Abstracts & Index content available, each and every student must request access to a PDF, which will be reviewed
# EBSCO Correctional Ed Package:
Two leading full-text databases to help students achieve their goals

<table>
<thead>
<tr>
<th>Academic Search™ Complete</th>
<th>Business Source® Complete</th>
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<tbody>
<tr>
<td><strong>Content Includes</strong></td>
<td><strong>Content Includes</strong></td>
</tr>
<tr>
<td>• More than 8,500 full-text journals and magazines</td>
<td>• More than 3,500 full-text journals and magazines</td>
</tr>
<tr>
<td>• Thousands of biographies, primary source documents, reports, speeches and more</td>
<td>• Coverage of all business and industry-related research topics</td>
</tr>
<tr>
<td>• Covering STEM, social sciences, and humanities research topics</td>
<td>• SWOT analyses, country reports, company information</td>
</tr>
<tr>
<td></td>
<td>• Hundreds of business videos</td>
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</table>
Best in class content

• Academic Search & Business Source are well known products, used by libraries around the world

• We provide monthly content updates to our Correctional Ed clients in the form of a pre-processed Solr index

• These databases come with very good A&I in addition to plentiful full-text content
Data Processing Pipeline: Shellscript + Python + Standard VuFind

- XML via FTP
- Content Filters (dates, publication types, etc) applied
- XSLT Transformation to match VuFind SOLR Schema
- Build Browse Indexes
- ZIP SOLR Index & Browse Indexes and upload to S3

Entire process takes about 60 hours
Customer update is less than 30 minutes
**Approver Tool**

- To meet the needs of statewide deployments, we created an “Approver Tool”

- A student will submit a request form, their details are filled in from SSO information within VuFind

- An approver sees the request, can preview the full-text, approve request. The fulltext file is stored on the server, but only available to the requestor
Access in some DoC via special tablets

Students have access to special tablets
### Request - Full Text Access

The document you have requested is part of the library subscription. Kindly fill in the form below to make a request for the document and it will be made available to you, if approved by an instructor.

**Request Policy: Maxium of 10 documents in any 7 day period**

<table>
<thead>
<tr>
<th>Your Details</th>
<th>Document Details</th>
</tr>
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<tbody>
<tr>
<td><strong>First Name</strong></td>
<td>Accession Number</td>
</tr>
<tr>
<td>John</td>
<td><strong>a9h.157147461</strong></td>
</tr>
<tr>
<td><strong>Last Name</strong></td>
<td><strong>Title</strong></td>
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<tr>
<td>Test-User</td>
<td>COVID-19 Vaccination in Patients with Cancer.</td>
</tr>
<tr>
<td><strong>DOC Number</strong></td>
<td><strong>Author</strong></td>
</tr>
<tr>
<td>123456791</td>
<td>Suzuki, Hitomi</td>
</tr>
<tr>
<td><strong>Facility</strong></td>
<td><strong>Source</strong></td>
</tr>
<tr>
<td>Ipswich</td>
<td>Canons (2022), Vol. 14, Iss. 10, p. 2556</td>
</tr>
<tr>
<td><strong>College</strong></td>
<td><strong>Request Reason</strong></td>
</tr>
<tr>
<td>College C</td>
<td>This is required for my public health class for my paper on vaccine refusal</td>
</tr>
<tr>
<td><strong>Program</strong></td>
<td>Request Document</td>
</tr>
<tr>
<td>BS Computer Information Systems</td>
<td></td>
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</table>

Search Options: • Advanced Search

Find More: • Browse Alphabetically

Need Help?: • Search Tips
Request: Received

Request Policy: Maximum of 10 documents in any 7 day period

COVID-19 Vaccination in Patients with Cancer,
Suzuki, Hitomi
Cancers (2022), Vol. 14, Iss. 10, p. 2556
Accession Number: s9h.157147461

Thank you for your request - it will be processed within one week and you'll get a copy in your account - My Requests

Your Current Request Count:
1 of 10 documents in any 7 day period

Search Options
- Advanced Search

Find More
- Browse Alphabetically

Need Help?
- Search Tips
Approver tool on same server, but firewall rules make it inaccessible to students
<table>
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<tr>
<th>ID</th>
<th>Record_ID</th>
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<th>Author</th>
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<td>67</td>
<td>a9h.99208617</td>
<td>Is Online Community Transformative Community?</td>
<td>Longden, Lee</td>
<td>Journal of Adult Theological Education (2013), Vol. 10, Iss. 2, p. 102</td>
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<td>69</td>
<td>b9h.96163491</td>
<td>Artificial intelligence.</td>
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<td>70</td>
<td>b9h.64445844</td>
<td>Carbon Tax dilemma.</td>
<td>Gomez, Kevin</td>
<td>Process &amp; Control Engineering (PACE) (2011), Vol. 64, Iss. 7, p. 3</td>
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<td>71</td>
<td>b9h.76558727</td>
<td>LIVING WITH THE CARBON TAX.</td>
<td>Daniel, Ian</td>
<td>MHD Supply Chain Solutions (2012), Vol. 42, Iss. 3, p. 42</td>
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<td>73</td>
<td>b9h.91655063</td>
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<td>AHA News (2013), Vol. 49, Iss. 20, p. 6</td>
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<td>76</td>
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<td>Community involvement.</td>
<td>Daniel, Ian</td>
<td>Smart Business Houston (2010), Vol. 5, Iss. 1, p. s18</td>
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<td>a9h.157147461</td>
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COVID-19 Vaccination in Patients with Cancer

Hitomi Suzuki 1, Tomohiro Akiyama 2,4,5,6,7,8,9, Nobuko Ueda 10, Satoko Matsumura 11, Miki Mori 12, Masatoshi Namiki 13, Norikazu Yamada 14, Chika Tsutsumi 15, Satoshi Tozaki 16, Hisayuki Iwayama 17, Shun Torii 18, Yuichiro Okubo 1 and Kyosuke Ishiguro 1

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2 Advanced Research Laboratories, Tokyo City University, Tokyo 194-0082, Japan
3 Graduate School of Education, Kyoto University, Kyoto 606-8501, Japan
4 Graduate School of Global Environmental Studies, Sophia University, Tokyo 102-8554, Japan
5 School of Integrative and Global Majors, University of Tsukuba, Tsukuba 305-8577, Japan
6 Graduate School of Information Technology, Kobe Institute of Computing, Kobe 650-0031, Japan
7 School of Social and Behavioral Sciences, Nanzan University, Nanzan 260-0033, Japan
8 Institute for Humanities in Africa, University of Cape Town, Rondebosch 7701, South Africa
9 Peer Review Association, Tokyo: 254-0031; j parse@peer-right.com (H.K.); mms@offenmail.com (M.M.)

Article: "COVID-19 Vaccination in Patients with Cancer"
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COVID-19 Vaccination in Patients with Cancer
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1 Department of Breast and Endocrinology Surgery, Ichinomiya Nishi Hospital, Ichinomiya 494-0001, Japan; nayamiko@yahoo.co.jp (H.S.); sumitomo@rice.co.jp (M.N.); ss0976@fujitsubo.go.jp (T.M.); chikatsutsui3322@gmail.com (C.T.); tosuki3084@0811@gmail.com (S.T.); iwamoto0820@outlook.jp (H.I.);
2 Advanced Research Laboratories, Tokyo City University, Tokyo 158-0082, Japan
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5 Graduate School of Information Technology, Kobe Institute of Computing, Kobe 650-0001, Japan
6 Institute for Humanities in Africa, University of Cape Town, Rondebosch 7701, South Africa
7 Peer Ring Association, Yokohama 224-0001, Japan; ueda@peer-ring.com (N.U.); smmsco@gmail.com (S.M.)
8 Correspondence: hikoki0808@gmail.com (H.I.); akiyama@tu.ac.jp or akiyama.tomohiro3tm@kyoto-u.ac.jp (T.A.)

Simple Summary: Patients with cancer are concerned about the effects of the COVID-19 vaccination while authorities search for ways to encourage vaccination; however, many points are still unclear. To remedy this situation, we conducted an online survey of 1182 female patients with cancer. The results showed that 768 were concerned about the vaccine, and 726 consulted with their attending physicians about the vaccination. The results also showed significantly higher vaccination rates among the patients who had consulted with their physicians. We found that consulting with attending physicians significantly increased the vaccination rate among patients with cancer.
Request Handling

Remember the client who was running the solution on a computer in the computer lab?

• Lee College asks students to fill in a more traditional request form and will deliver printed copies of papers to students
Equal Opportunity

- The solution should be modern and support information literacy

- Students should come away not just with information, but skills that can be applied in any education context

- The content should be current, academic and multi-disciplinary
When building the solution

• We collaborated with an academic librarian with many years of experience in the field
• Attention given to availability of facets and search fields
  – including ability to search by NAICS codes
• Browse Indexes
  – Subject, Author & Journal Title
• Advanced Search
• Citation Formats
Easy Maintenance

- Prisons do not have IT departments that will maintain a server

- Content Updates must be quick and efficient

- Integration with other systems, e.g. Keycloak for SSO authentication is a must
= a bit more service than initially planned

• Plan:
  − provide XML, the data processing pipeline & module only
    • We now provide the index “as a service”

• Our hosting partner APDS
  − Great partner, but no experience with VuFind
    • We SSH into their servers and do the updates and maintenance
= a bit more service than initially planned

• Future Direction
  − Some prison systems do consider whitelisting domains
    • We are considering a solution based on Stacks & EDS API
Ease of maintenance

• Integration with Keycloak via SimpleSAMLphp
  − APDS’ SSO Environment (Keycloak)
  − SimpleSAMLphp as Service Provider

• VuFind Multisite
  − One Index, multiple accessing sites
  − User is directed to correct site during SSO
“…In an environment where access to information is limited, the ability to update the database with current, authoritative, and scholarly research is a game changer…”

Jessica Licklider
Librarian, Lee College Huntsville Center