

Using Vufind Discovery Tool is how much Replace Germany's Traditional OPAC??

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***Abstract** - Vufind is modern generation catalogue which replace the tradition catalogue OPAC. The open discovery tool offers single access point. It has a great advantage where an user search & retrieve their desired documents as they can. This paper is about the Vufind open discovery tool which is used many of the academic institutions in Foreign countries so the study is about the of using Vufind open discovery tool in German & how this discovery tool replaces the traditional OPAC. This modern software is used any types of libraries big or small. Vufind is one of the example of automated & digital library system. It is a highly customizable open source web-scale resource tool. Vufind searching tools has Apache Solr & it support 25 languages globally. It is a next generation catalogue. It has also a web 2.0 feature which is very much helpful to library users, this software were developed by Villanova University.*

Keyword: Vufind, Apache, OPAC, Discovery tools, ICT, Marc Record.

Introduction

Modern library is a combination of all types of documents. so it's very much difficult to find out the exact document. So there is some tools or searching systems which helps to find out the exact documents easily. Nowadays the demands of all users has changed with the development of ICT. All the modern libraris are automated. There are various types of software is available in the market. Vufind open source discovery tools is a very much user friendly tool for searching library catalogue. The motto of a librarian is to serve information at the right time. But due to information explosion is a challenge for them to choose right information. This vufind discovery tool change the library services a lot. Germany & USA are the two countries where vufind software is using mostly. So this is a study OF the institutions of Germany. Vufind is one of the searching discovery tool to which user can search & browse their documents. Vufind software is designed & discover by Villanova University. It is a highly customizable open source discovery product.

About Vufind:

Vufind software is designed & developed by Andrew Nagy at Villanova University. The software has written in PHP PEAR and based on PHP programming codebases, Apache SOLR indexing MARC records. Apache SOLR indexing MARC records It is an alternative interface of I share catalogue. At first CARLI Adopted this for all types of library within CARLI I-share community. Its searches data from Voyager's database. It shows item availability & Place request. This discovery tool start began its journey from 2007 with Vufind 0.6. After that it's update version has come. Vufind 3 came to market in 2016. This version of VuFind with XC OAI, XC MST Normalization, XC MST MARC Aggregation, and Voyager services. Then the "New Vufind" version 4.1 came to the market in 2017. At first version 4.1 was a testing data. After that version 4.1.3 is running in September 2018. And now all the development of this software work has completed. New version 4.1's functionality is continually being enhanced. This version is APA, MLA, and Chicago Style citation generator; Compatible with Zotero and any other COinS-based application & it allows you to tag records, save items, create public or private favorites lists of items, and save searches to re-execute later. Vufind

offer cross platform environment a user can install Vufind on windows, Ubuntu Linux, Mac, Fedora Linux. The three main improvements that a discovery layer provides are relevance-ranked results, new browsing capabilities, and improved subject access. The interface is also available in multiple languages. VuFind allows tagging, commenting, keeping a list of favorites, and sending search results as text messages or email.

Review of literature

Resource discovery service is for online service. Users can access globally. Now a day's many libraries are using different types of resource discovery tools for searching of catalogue. This discovery tools are very much user friendly to use. These types of discovery tools is very much important in automated library environment. Vufind is one of the open source discovery tool for searching of documents & it support digital library software also(Maldal,Sukumar,2018). Resource scale web discovery is one type of next generation discovery tool. Vufind is one of the resource discovery tool which has multi facility and it also support 25 languages. Language barrier is the vital issue of the library. So it somehow is user friendly(Barman, Debabrata & Mukhopadhay, Parthasarathi,2018). Vifund is an open source software which replaces traditional catalogue , user can find and retrieve documents by this Vufind discovery tool. At first it is a faceted search interface. It has web 2.0 feature so library users are very happy to use this tool(Emanuel, Jennifer,2011). Vufind software is Villanova University's a big project. After many experiment of villanova university, Vufind was developed and it is regularly updated.(Kats, Demian,2016).

Using of Vufind comparison to Germany's academic institutions

After analysis of data it is find out that most of the academic institution, consortia of Germany use Vufind software. 59 institutions are using Vufind software, 40 academic institutions, 8 academic consortia & 1 museum using this software. All the institutions are using DE & EN for their primary languages. Various institutions are using various platform for their software. Libero, Allegro-C, aDIS, OCLC etc ILS for Vufind software. Most of the institutions are using version 1.3. It has 4 features, Catalog Records, Locally Cached Journals, Digital Library Items, Institutional Repositories. Vufind discover & access information in a robust. It search all library resources so save the time. So many institutions of Germany are using vufind discovery tool successfully so it is found that it is a good tool for searching information. It has so many facilities but on the other hand it has some limitations. It manipulate data only in MARC format, so in case any order of journals or periodicals depends on third party vendor. Beside some limitations this software is a very good discovery tool for searching information.

SL No.	Institution/Consortium Name	Institution Type	Primary Language	System Platform	ILS	Version	Theme	Discovery System
1	Academy of Fine Arts Leipzig	Academic	DE	CentOS	Libero	1.3		
2	Arbeits Gemeinschaft der Gedenkstätten Bibliotheken		DE	Debian	Allegro-C	Post-1.3 trunk		
3	Badische Landesbibliothek	Academic Consortium	DE	SLES	aDIS	1.3		
4	BASE (Bielefeld Academic Search Engine)		EN	SLES		1		
5	Beluga		DE	SLES	OCLC	2.3		Primo Central
6	Bibliographies at arthistoricum.net	Academic	DE	Ubuntu		3.0.1	bootstra p3	
7	Bibliography of Community Currency Research		EN	CentOS		1.4		
8	Bibliothek: Fachhochschule Südwestfalen		DE	SLES	Aleph	1.4		
9	Bibliotheksservicezentrum Baden-Württemberg	Academic Consortium	DE	Debian	aDIS, Koha	1.3	Blueprint	EBSCO, Summon
10	Braunschweig University - Catalogue	Academic	DE	Ubuntu	OCLC/Pica LBS (PAIA)	2.x	belugax	
11	Chemnitz University of	Academic	DE	CentOS	Libero	1.3		

	Technology							
12	Central Library of Forschungszentrum Jülich GmbH		DE	Red Hat 7	SirsiDyni x Symphony	2.52		
13	Darmstadt University and State Library	Academic	DE	OCLC/Pica LBS	EBSCO			
14	Dresden Academy of Fine Arts	Academic	DE	CentOS	Libero	1.3		
15	Dresden State Art Collections	Museum	DE	CentOS	Libero via DAIA/PALIA	4.1.3	Bootstrap 3	
16	Düsseldorf's Robert Schumann Hochschule	Academic	DE	CentOS	Aleph	1.3		
17	EconBiz, ZBW-Leibniz Informationszentrum Wirtschaft		DE	RHEL		2		
18	EMBL Szilard Library		DE	CentOS Debian	Inmagic	1.4		
19	Fachhochschule Erfurt	Academic	DE	Ubuntu	OCLC Pica-LBS4	5		
20	Frankfurt University of Applied Sciences	Academic	DE		OCLC/Pica LBS			EBSCO
21	Folkwang University of the Arts	Academic	DE	CentOS	Aleph	1.3		
22	Genderbibliothek Berlin	Academic	DE	Ubuntu	FAUST	2.3		
23	Hamburg University of Technology	Academic	DE	Ubuntu	OCLC Pica-LBS4	3.0.2	PrimoCentral	bootstrap3
24	Hessisches Bibliotheks Informations System (HeBIS)	Academic Consortium	DE	SLES	OCLC/Pica LBS3 and LBS4	1.3	EBSCO	
25	Hochschule Darmstadt Medienzentrum	Academic	DE	OCLC/Pica LBS	EBSCO			
26	Hochschule für Musik und Tanz Köln	Academic	DE	CentOS	Aleph	1.3		
27	Hochschule Nordhausen	Academic	DE	Ubuntu	OCLC Pica-LBS4	5		
28	Hochschule Schmalkalden	Academic	DE	Ubuntu	OCLC Pica-LBS4	5		
29	Hochschul- und Landesbibliothek RheinMain	Academic	DE	OCLC/Pica LBS			EBSCO	
30	Joseph Wulf Mediothek, Berlin		DE	Debian	Allegro-C	1.2		
31	kiz der Universität Ulm	Academic Consortium	DE	SLES	aDIS	2.5		
32	KrimDok	Academic	DE	CentOS 7	2.5.4			bootstrap3
33	Leuphana Universität Lüneburg	Academic	DE	Ubuntu		2.3		
34	Leipzig University Library	Academic	DE	CentOS	Libero via DAIA/PALIA	4.1.3		Bootstrap 3
35	Lerxe	Academic	DE	CentOS7		4.1.3		Bootstrap 3
36	Library System of the JLU Giessen	Academic	DE	OCLC/Pica LBS	EBSCO			
37	Pädagogische Hochschule Freiburg	Academic Consortium	DE	SLES	aDIS	1.3		
38	PubPharm - Specialised Information Service Pharmacy	Academic	DE	Ubuntu		2.x		belugax
39	Specialised Information Service Performing Arts (University Library Frankfurt)	Academic	DE	SLES		4		Bootstrap
40	Suchkiste		DE	Ubuntu		1.0RC2		
41	Technische Hochschule Mittelhessen	Academic	DE		OCLC/Pica LBS			EBSCO
42	Technische Universität Ilmenau	Academic	DE	Ubuntu	OCLC Pica-LBS4	5		
43	Thüringer Universitäts- und Landesbibliothek Jena	Academic	DE	Ubuntu	OCLC Pica-LBS4	4.1.2	bootstrap3	Summon Bootstrap 3
44	TU Bergakademie Freiberg	Academic	DE	CentOS	Libero	4.1.3		
45	Universität Hohenheim	Academic	DE	SLES	aDIS	2.5		

		Consortium						
46	Universität Tübingen	Academic Consortium	DE	SLES	aDIS	1.3		
47	Universitätsbibliothek Düsseldorf	Academic	DE	Ubuntu	Aleph		EBSCO	custom
48	Universitätsbibliothek Freiburg	Academic Consortium	DE	SLES	aDIS	1.3		
49	Universitätsbibliothek Hildesheim	Academic	DE	Ubuntu		2.3		
50	University and StateLibrary Fulda	Academic	DE	OCLC/Pica LBS	EBSCO			
51	University of Cooperative Education Glauchau	Academic	DE	CentOS	Bibliotheca (OCLC) via DAIA/PAIA	3.0.3		
52	University Library of Frankfurt	Academic	DE	OCLC/Pica LBS	EBSCO			
53	University Library of Kassel	Academic	DE	OCLC/Pica LBS	EBSCO			
54	University Library of Mainz	Academic	DE	OCLC/Pica LBS	EBSCO			
55	University Library of Marburg	Academic	DE	OCLC/Pica LBS	EBSCO			
56	University of Music and Theatre »Felix Mendelssohn Bartholdy« Leipzig	Academic	DE	CentOS	Liberio via DAIA/PAIA	3.0.3		
57	University of Music Carl Maria von Weber Dresden	Academic	DE	CentOS	Alephino by ExLibris (no ILS driver)	1.3		
58	ZBW (German National Library of Economics)	Academic	DE	Red Hat		2		
59	Zittau/Görlitz University of Applied Sciences	Academic	DE	CentOS	Liberio	1.3		

Conclusion

In our changing environment of library, there users need one searching tool where they can search & retrieve documents within a second. Only Vufind software provide single search for the user of library. Many institutions in foreign countries are using vufind for their institutions. Many academic, public & academic consortia's are using this software for searching their database. In many respect Vufind software is best for the next generation for searching their relevant documents. VuFind interface offered many improvements over our old Webcast catalogue. Reference management can equally be processed through the application of VuFind discovery tool. The channel search facility is available through this VuFind discovery tool where a research scholar can find the ISBN. Users found VuFind's "add to favorites" bookmarking feature to be easy to use. In all the institutions of Germany, Vufind software is using very successfully for searching purpose & it is a very useful searching tool for all types of documents search.

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