Doing DSpace Differently

Kim Shepherd & Stuart Lewis Digital Development Team

The University of Auckland Library



Introduction



- Two talks
 - Creative Configuration with Minimal Coding
 - Breaking out of DSpace

Creative Configuration with Minimal Coding





Archive of Māori & Pacific Music





Archive of Māori & Pacific Music





Archive of Māori & Pacific Music













ItemAdaptor

</referenceSet>

isPartOf reference in DRI...

Waiata tangi



Performance Item (Song)

First lines from recording:

E pa to hau he wini raro He homai aroha

Location:

New Zealand

Accession Number:

72/214.11

Notes:

Ancient Maori Waiata; McL 58 NM 71

Files in this item

Files

Size

Format

View

There are no are detailed the template renders it

This item is part of the following resource(s)

- Performance Items
- 72/214: **72/214 WAIATA 3 NZBC**

MURU, Selwyn (NZBC)



Treat people like objects

This item is performed by the following people

Kim SHEPHERD (1983 -)

Affiliations: University of Auckland

Also known as: K. Michael SHEPHERD; K M Shepherd

Nigel CHAMPION

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Disclaimer

Don't take moral advice from software developers







No Java!

Search other Repositories

Solr is easy



72/214 WAIATA 3 NZBC



Media (Reel)

Accession Number: 72/214

Files in this item

Files Size Format View

There are no files associated with this item.

This item contains the following resource(s)

- Hide

- (III) 72/214.01 : Introduction
- (0))) 72/214.02 : Waiata tangi
- (III) 72/214.03 : Apakura
- (I))) 72/214.04 : Waiata whaiaaipo
- (III) 72/214.05 : Apakura
- (III) 72/214.06 : Waiata aroha
- (III) 72/214.07 : Paatere whakamanamana
- (III) 72/214.08 : Waiata tangi
- (III) 72/214.09 : Paatere pookeka
- (III) 72/214.10 : Oriori
- (III) 72/214.11 : Waiata tangi
- (III) 72/214.12 : Waiata apakura
- (III) 72/214.13 : Waiata tangi
- (III) 72/214.14 : Karangatanga
- (III) 72/214.15 : Waiata whaiaaipo
- (III) 72/214.16 : Waiata tangi, Whakapapa
- (III) 72/214.17 : Paatere











Open Source Java project

RTMP (Flash) streaming

Wire in services with Spring





DSpaceStreamService

Doesn't touch assetstore

Open Access only





81/034.01: Competition performance

Taniwharau (Waikato A) (08 Feb 1981)



VD0018.01: Competition performance

Taniwharau (Waikato A) (08 Feb 1981)

VD0018.02: Competition performance

Te Whare Wananga o Waikato (Waikato B) (08 Feb 1981)

81/035.01: Competition performance

Te Whare Wananga o Waikato (Waikato B) (08 Feb 1981)



WARNING: Live demonstration

```
09,0x8016A950,0x00000001,0x000000066)
HANDLED*** Address
                   8016a950 has base at 80100000
.6.2 irq1:1f
               SYSVER 0x10000565
Neume
                    Dil Base
                              DateStmp
                                          Name
ntoskrn1.exe
                    80010000
                              33347188
                                          mi.d11
atapi.sys
                    80007000
                              3324804
                                            SIPORT.
Disk.sys
                    801db000
                              336015
                                           ASS2.SY
Ntis.sys
                    80237000
                              344eeb4
                                           wvid.sy
NTice.sys
                    f1f48000
                              31ec6c8d
                                           loppy.SY
Cdrom.SYS
                              31ec6c9
                    £2280000
                                           ull.SYS
                                               SYS
                    12290000
                              335
KSecDD.SYS
                    fe002000
win32k.sys
                    fdca2000
Cdfa.SYS
                    ide35000
nbf.sys
                    11168000
netbt. Bys
                    f2008000
ard. ava
                    fdc14000
Parport.SYS
                    flddooon
a - - train 979
```



What did we learn?

DRI isn't scary

Solr is easy and powerful

Secure RTMP streaming is possible without modifying Dspace

Curators & users want different UIs

Breaking out of DSpace



SuperIndex



- The problem we had to solve
 - Disparate collections, each with different access requirements
 - Managed in different systems
 - Upgrade nightmare
 - No formal links to digital objects
 - Discovery via Primo

SuperIndex



- The context
 - Large University library
 - 3 experienced DSpace developers
 - Fast delivery required
 - Needs to scale: 300,000 items so far (6 collections)
 - Read-only customisable views
 - Need a 'reproducible product'

Three levels to the 'product'



1

Collection Management

2

End-User UI

3

Discovery

1) Collection management



- Vanilla DSpace
- Collections
 - Delegated administrators (if required)
- Import
 - Via CSV (less than 1,000 items)
 - Via batch import (more than 1,000 items)

2) User interface



- Integrates using the DSpace Discovery solr service
- 'Skylight' user interface
 - Lightweight
 - Developed in less than six weeks
 - PHP MVC
 - Faceted search, simple search, advanced search
 - No fighting with the repository
 - Easy to develop no admin functions / authZ problems
 - One installation, multiple configuration based on URL
 - Themes

3) External discovery



- Lightweight OAI-PMH proxy on top of DSpace's OAI-PMH
 - Rewrites URLs to point back to skylight
 - Makes use of DSpace's sets

Skylight demo



Other uses



- Customised user interfaces for specific collections
 - #or11 tweets with MIT Simile timeline widget
- Proxy for other repositories
 - Collections held in DigiTool

SkylightUI project



- Open source
- http://skylightui.org/
- Can sit on top of any solr index



Any questions?



Photo/Image Attributions

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