



# Updating Proxy Server with Dealer Domains

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# A couple of caveats

- ❑ Not a specifically SFX solution, rather a way to deal with a general problem of which SFX is one element
- ❑ I know virtually **nothing** about proxies!



# Background

- ❑ Access to electronic resources from off-campus requires authentication
- ❑ Proxy server (Squid) maintained by University computing division
- ❑ Authorized users (staff, students) connect to University network and log in with username and password
- ❑ Connections to vendor sites “routed” through remote.pac



# The Problem

- ❑ New resources must be recorded in the proxy server, identified by domain name of dealer site
- ❑ Original method: email from librarians or library tech support to proxy maintainer, as the need arose
- ❑ Not efficient, and susceptible to error



# The Solution

- Periodically assemble list of recently added domains
- Send list automatically by email to proxy manager



# Sources of domain information

- ❑ Aleph catalog – MARC tag 856 in bibliographic records for ejournals and etexts - retrieved via p\_ret01, p\_ret\_03
- ❑ SFX – URLs of target resources – retrieved via Export Tool (run from shell script)
- ❑ online databases – Excel file maintained locally by Reference librarian



# Processing data

- Merge lists from three sources into unified file
- Remove all text following '/', leaving only domain name
- Exclude items from within University domain
- Exclude domains with no '.' delimiter
- Convert from upper to lower case, for uniformity
- Sort list, eliminating duplicates



# Processing data (2)

- Compare list with version saved from previous run – Linux ‘diff’ utility produces list of new items
- Review list with text editor, make changes if necessary
- Approve forward of list by email to proxy administrator
- Save master list as control for next run





# List of recently added domains

asia-studies.com  
atilf.fr  
authorities.loc.gov  
beazley.ox.ac.uk  
biblioline.nisc.com  
bodd.cf.ac.uk  
bookreviews.org  
brillonline.nl  
brs.leeds.ac.uk  
c-spanvideo.org  
cabi.org  
catchword.com  
chabadlibrary.org  
charleston.publisher.ingentaconnect.com  
charlestonco.com  
data.un.org  
dictionary.oed.com



# Refinement – multisite domains

journal1.myvendor.com

journal2.myvendor.com

journal3.myvendor.com

journal4.myvendor.com

**myvendor.com**

# Generate 'inverted' list of domains

com.chadwyck.eebo  
com.chadwyck.fiaf  
com.chadwyck.iipa  
com.ingentaconnect.hermia  
com.isiknowledge.admin  
com.isiknowledge.apps  
com.metapress.ergonomics  
com.oed.dictionary  
com.proquest.pqdtopen  
com.proquest.search  
com.umi.roquest  
com.umi.wwwlib  
edu.fau.faujsa  
edu.iastate.public  
edu.princeton.cogsci  
edu.uwm.lib.geobib  
edu.uwm.lib.leardo  
gov.ed.eric  
gov.loc.authorities  
gov.nih.nlm.gateway  
gov.usda.nal.agricola  
hk.hku.lib.sunzi1

il.ac.huji.geobase  
il.ac.huji.gr.webmaster  
il.ac.huji.hebrew-terms  
il.ac.huji.hebrew-treasures  
il.ac.huji.igdc  
il.ac.huji.jpress  
il.ac.tau.ariela  
il.ac.tau.ariela1  
il.ac.tau.genesis  
il.ac.tau.www2  
il.co.bizportal.lxsrv1  
il.co.digitaler.tamrurim  
org.oclc.firstsearch  
uk.ac.cf.bodd  
uk.ac.jisc  
uk.ac.leeds.brs  
uk.ac.ox.beazley  
uk.org.cornuco  
uk.org.fihr



# Generate 'inverted' list of domains (2)

Technique is of limited utility, since domains from same vendor may occur in lists generated at different dates.

Ideally, a program would check for domains already recorded in proxy.

**BUT** – probably not worth the effort.



# Does proxy-update scheme work?

Since introduced in late 2007, and run twice each month, few or no incidents of resources being inaccessible due to proxy issues



# Is this useful for you?

Depends on, e.g.:

- the nature of your site
- sources of information about dealers' domains
- proxy server in place
- institution's access policies
- technical facility in setting up and running script
- liaison with proxy management



# Thank you!

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[http://aleph.haifa.ac.il/www/public/Igelu\\_2011/yb/Proxy\\_Updates.pps](http://aleph.haifa.ac.il/www/public/Igelu_2011/yb/Proxy_Updates.pps)