

## Structure

1. Some practical things to sort out
2. A guided tour to ROADS

## Reading

ROADS web site at <http://www.roads.lut.ac.uk/>  
ROADS peridoc documentation

## Making a link

```
ln -s roads-versionroads
```

where *version* is the version that you are currently using.

If you change version, just remove the link like any other file and then set the link again.

Then enlarge the path so that you can conveniently access the ROADS binaries.

restarting the server

```
roads/bin/wppdc.plrestart
```

if that does not work,

```
ps ax grep wprestart
```

look for the number *number* of the *wpd*, kill it

```
killnumber
```

then start the daemon

```
roads/bin/wppdc.plstart
```

files on the top level

**CHANGES** file that lists the changes to the software as made over time.

**Configure** file, written in perl, that can be executed to configure the software. Executable because of the first line.

**Makefile** file, written a set of instructions to the make language, that make a released version of roads out of a ROADS software tree.

**README** file that we should read.

**TODD** file that says what the developers should do.

I will mention only those that have some interest for us.

info.pl	display information about the ROADS server installation
bugs.pl	flag possible errors in ROADS installation
freq.pl	term frequency counter for IAFA style templates
countatr.pl	count the attributes used in a template
wppd.pl	LUT WHOIS++ server
wppdc.pl	control WHOIS++ server
mkinv.pl	build ROADS database index
rebuild.pl	rebuild ROADS index, subject/what's new listings
review.pl	generate template review info breakdown
addsl.pl	generate HTML subject listings from ROADS templates
cullsl.pl	cull entries from subject listings
addwn.pl	add what's new entries for specified templates
cullwn.pl	cull state entries from what's new listings
deindex.pl	remove templates from index
dodgy.pl	find persistently stale templates
dup_urls.pl	check for duplicate URLs in a collection of IAFA templates
exterminate.pl	remove templates with persistently unreachable URLs
lc.pl	Perl based HTML/IAFA link checker
lc2sd.pl	convert from Library-Catalog to Subject-Descriptor
mail_owners.pl	send mail to people whose links have gone stale
bg-exterminate.pl	background reindexing to remove stale templates
bg_lc.pl	background link checking run for WWW or cron

makethes.pl create thesaurus file or another DB(M)  
 database  
 simple sample thesaurus plug-in  
 do a WHOIS++ search and snarf the resulting  
 handles  
 templateadmin.pl template editor ACL manager

The cgi-bin directory

redirect.pl CGI program to redirect client while logging  
 access  
 user/admin CGI front end to ROADS search  
 suggest.pl suggest a resource for inclusion in the database  
 survey.pl dump out a questionnaire and record the re-  
 suits  
 tempbyhand.pl given a template handle, render it as HTML  
 generate a page of HTML for a given URL  
 protocol

adminrestrict.pl show search restrictions for admin users  
 admincentre.pl filter admincentre document for presentation  
 bogus.pl WWW front end to installation bogosity  
 checker  
 WWW front end to template statistics gath-  
 erer  
 deindex.pl WWW front end to ROADS template deindex-  
 ing  
 dodgy.pl WWW front end to link checker report on  
 dump out DB(M) database entries and keys  
 dumpdbm.pl  
 dup-urls.pl WWW front end to IAFA template checker  
 render list of query expansions into HTML  
 Zapping of persistently stale templates  
 WWW front-end to term frequency counter  
 freq.pl

The admin-cgi directory

authority/ authority files, can be used to give valid terms  
 to be used in certain fields  
 config file for template editor  
 multilingual/ (deal with before)  
 outlines/ formal description of a template  
 review-vIEWS/ config file for template reviewing  
 subject-listing/ subject listing configuration  
 /what's-new/ what's new configuration

directories in roads/config/

admin-restrict restrictions on the fields that can be accessed  
 by the administrator  
 adminpasswd the password of the administrator?  
 class-map subject classification (valid for the  
 distributed templates)  
 class-map.ensibble a UDC like classification  
 list of the databases  
 expansions terms and other term to look for  
 hostallow access restrictions to the whois++ server  
 languages configuration for multilingual support  
 mailtemplate.txt the message is: get your act together  
 mktemp.cfg what to do when a template is made  
 search-restrict restrictions on search  
 stoplist the list of stopwords

The files in config/

info.int.pl WWW front end to IAFA template checker  
 1c.pl WWW front end to the link checker tool  
 lookpcluster.pl search WHOIS++ servers for template  
 clusters  
 mkinv.pl WWW front end to index generator  
 mktemp-config-editor.pl ROADS template editor configurator  
 mktemp.pl WWW based template editor  
 register.pl WWW front end to server registration  
 report.pl WWW front end to link checker report generator  
 review.pl WWW front end to review date checker  
 search-restrict.pl show list of search restrictions for  
 stopattr.pl render stopped attributes as HTML  
 stoplist.pl render stoplist as HTML  
 tempserauth.pl WWW front end to template ACL editor  
 wppdc.pl WWW front end to start LUT WHOIS++ server

The roads/htdocs/ directory

IAFA-help/	web pages that document IAFA templates
subject-listing/	storage space for subject listings
CHANGES	software change log
CHANGES	things that remain to be done
README	WWW front end to ROADS template deindex-
lookfeel	directory space for stylesheets
icons/	small pictures to decorate web pages
profiles/	for subject editors
robots.txt	a file, following a standard protocol, that gives instructions for good behaviour for robots

The roads/lib/ directory

ROADS/	has modules used by various ROADS scripts
ROADS.pm	the main configuration file
auto/	leads to relevance ranking scripts
mktemp*	subroutines used by the template editor

other directories in roads/

config.dist	configuration as distributed
guts	index file, other internal files, not be touched
logs	log file directory
source	template directory
source.dist	source as distributed