



Greenstone : Is the Open Source Option Right for You?

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Looking for the “Right” Software

- > *free or low-cost*
- > *multiple document types*
- > *off-site hosting option*



Digital Library Software Options

- > *CONTENTdm*
- > *dSpace / Fedora / EPrints*
- > *Emeka*
- > *Greenstone*



Greenstone Projects

> *www.rwandadocumentsproject.net*

> *www.neln.org*



What is Greenstone?

- > *free – open source*
- > *developed in 1997 by the NZDLP at
the University of Waikato*
- > *supported by UNESCO*



Looking Under Greenstone's Hood

> *installation*

> *“local library” vs. “web library”*

> *multiple platforms*

> *lightweight – small footprint*

> *greenstone Library Interface*



Exploring the GUI

- > *file: new collections / open old*
- > *gather: drop and drag simplicity*
 - > *collection size*
- > *enrich: metadata management*



Exploring the GII, pt. 2

> design:

> plugins: the engine of Greenstone

> multiple formats

> indexing

> convert to html

> search index

> browse index



Exploring the GLL, pt. 3

- > *format: customizing the collection*
 - > *format features*
 - > *collection-specific customization*
 - > *macros*
 - > *packages*
- > *create: building the collection*



Greenstone Digital Libraries

Central Washington University:

<http://digital.lib.cwu.edu/cgi-bin/library?a=p&p=home&l=en&w=utf-8>

Washington Research Libraries Consortium:

<https://www.aladin.wrlc.org/dl/>

University of Chicago – Chopin Early Editions:

<http://chopin.lib.uchicago.edu/>

Babel – Edgar Morin:

<http://193.204.255.27/~morin/morin/en/?q=node/1>

Papers Past – New Zealand:

<http://paperspast.natlib.govt.nz/cgi-bin/paperspast?a=p&p=home&e=-----10--1----0-all>

Yale Medical School Library:

<http://cwml.dl.med.yale.edu/gsd/cgi-bin/library?site=localhost&a=p&p=about&c=ppdc&ct=0&l=en&w=utf-8>



Greenstone on the Web

- > *optimized for Apache*
- > *self-contained/easy to install*



Greenstone on the Web, step 2

> edit Apache httpd.conf file

```
ScriptAlias /gsdl/cgi-bin/ "/home/domains/yourdomain/gsdl/cgi-bin/"  
<Directory /home/domains/yourdomain/gsdl/cgi-bin >  
Options None  
AllowOverride None  
</Directory>
```

```
Alias /gsdl/ "/home/domains/yourdomain/gsdl/cgi-bin/"  
<Directory home/domains/yourdomain/gsdl/cgi-bin/" ">  
Options Indexes MultiViews FollowSymLinks  
AllowOverride None  
Order allow,deny  
Allow from all  
</Directory>
```



Greenstone on the Web, step 3

> edit Greenstone gsdlsite.conf file

```
# points to the GSDLHOME directory  
gdlhome "/home/domains/yourdomain/gsd/"  
  
# this is the http address of GSDLHOME  
# if your webservers DocumentRoot is set to $GSDLHOME  
# then httpprefix can remain commented out  
httpprefix /gdl
```



Getting Your Collections on the Web

> *build locally – ftp entirely*

> *build online:*

```
import.pl -collectedir $GSDLHOME/collect -removeold generic  
build.pl generic
```

> *remote GLI client*



Is It Right for You?

- > *incremental building*
- > *simultaneous data entry*
- > *learning curve*
- > *interoperability*
- > *data migration*



Is It Right for You, pt. 2?

> *support*

> *scalability*

> *authentication*

> *future developments*



Greenstone Links

- > *home:* <http://www.greenstone.org/>
- > *download:* <http://www.greenstone.org/download>
- > *support:* <http://www.greenstone.org/support>
- > *manuals:* <http://www.greenstone.org/manuals/gsd12/>



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