



## Setting up Greenstone for your organization

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## Agenda

- ❖ Greenstone in your organization
- ❖ Installing the web library version

## Greenstone in your organization

- ❖ Who needs to access your Greenstone collections?
  - Just you: use the Local Library version
  - Other people in your organization, over your network: use the Web Library version
    - ❖ Possible to use Local Library, but not recommended
  - People outside your organization, using the internet: use the Web Library version
    - ❖ If your organization has a website already, you'll need to get your ISP to install Greenstone on their servers
    - ❖ If your organization doesn't have a website already, you'll need to contract an ISP to install Greenstone and host your collections for you

## Local library vs Web library

- ❖ **Local library: stand-alone**
  - Serves collections on a standalone PC ...
  - ...and on others on the same network
  - Includes built-in Web server
- ❖ **Web library: uses external web server**
  - Apache, Microsoft PWS/IIS
- ❖ **Windows: Both local library and web library**
  - All versions: (3.1, 3.11), 95, 98, NT, 2000, ME, XP
  - Binaries supplied
  - Normally use local library (else must set up server)
  - Web library works with Microsoft PWS, IIS
- ❖ **Unix, Mac OS X: Web library only**
  - Use Apache (or other web server)
  - Linux binaries supplied
  - Tested on SUN Solaris, Mac OS X
  - Need GDBM (standard on Linux)



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## Web Library: Installation demo

## Configuring Apache

❖ Download Apache from [httpd.apache.org](http://httpd.apache.org)

❖ Install, then add to the Apache `httpd.conf` file:

```
ScriptAlias /gsdl/cgi-bin "C:/Program Files/Greenstone/cgi-bin"
<Directory "C:/Program Files/Greenstone/cgi-bin">
    Options None
    AllowOverride None
</Directory>
```

```
Alias /gsdl "C:/Program Files/Greenstone"
<Directory "C:/Program Files/Greenstone">
    Options Indexes MultiViews FollowSymLinks
    AllowOverride None
    Order allow,deny
    Allow from all
</Directory>
```

❖ Access Greenstone at:

<http://<host-name>/gsdl/cgi-bin/library.exe>

## Configuring PWS/IIS

1. Select *Advanced* to get the *Advanced Options* screen.
2. Select *Home* and click *Add*. Fill out the fields as follows:

Directory field:	<i>C:\Program Files\gsdl</i>
Alias field:	<i>gsdl</i>
Access permissions:	<i>Read</i>
Application permissions:	<i>None</i>
Click <i>OK</i>	

This makes Greenstone files accessible to the webserver.

3. Back in *Advanced Options*, select *gsdl* and click *Add*. Fill out the fields as follows:

Directory field:	<i>C:\Program Files\gsdl\cgi-bin</i>
Alias field:	<i>cgi-bin</i>
Access permissions:	<i>None</i>
Application permissions:	<i>Execute</i>
Click <i>OK</i>	

This allows the Greenstone program *library.exe* to be executed by the webserver.

4. Go to the URL <http://localhost/cgi-bin/library.exe>.

Note: you need to specify the *.exe* file extension with PWS and IIS.

# Web Library Troubleshooting

Problem	Try this
When I start Apache, it quits immediately.	Add a <i>ServerName localhost</i> directive to the Apache configuration file (see Section 4.1 of the Greenstone Installer's Guide).
When I point my browser at the digital library, it displays garbage – a binary file.	Check the <i>ScriptAlias</i> directive in the Apache configuration file, making sure it comes before the <i>Alias</i> directive (see Section 4.2 and 4.3 of the Greenstone Installer's Guide).
I get the Greenstone home page, but the Demo collection icon does not appear.	Run the program <i>library</i> (in the Greenstone cgi-bin directory) from the DOS prompt (or shell) to generate debugging information that will help you locate the problem.

# Documentation and Help

- ❖ *Installer's Guide* (install.pdf)  
Versions of Greenstone, installation procedure, Greenstone collections, setting up the web server, configuring your site, personalizing your installation
- ❖ FAQ: sections on
  - Obtaining Greenstone
  - Installing Greenstone
  - Running Greenstone