

<a>

Understanding Paths & Addressing

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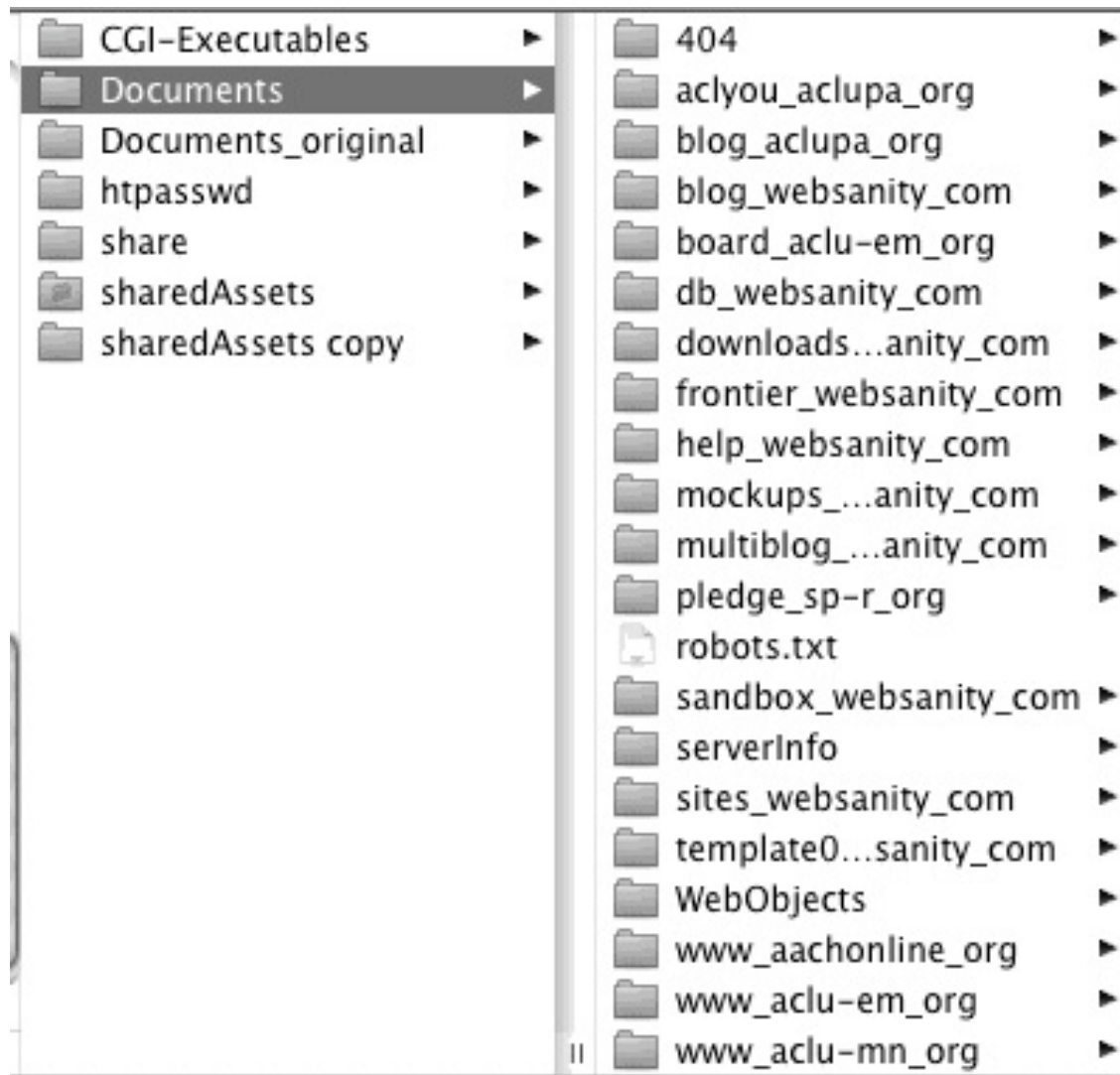
www.granneman.com

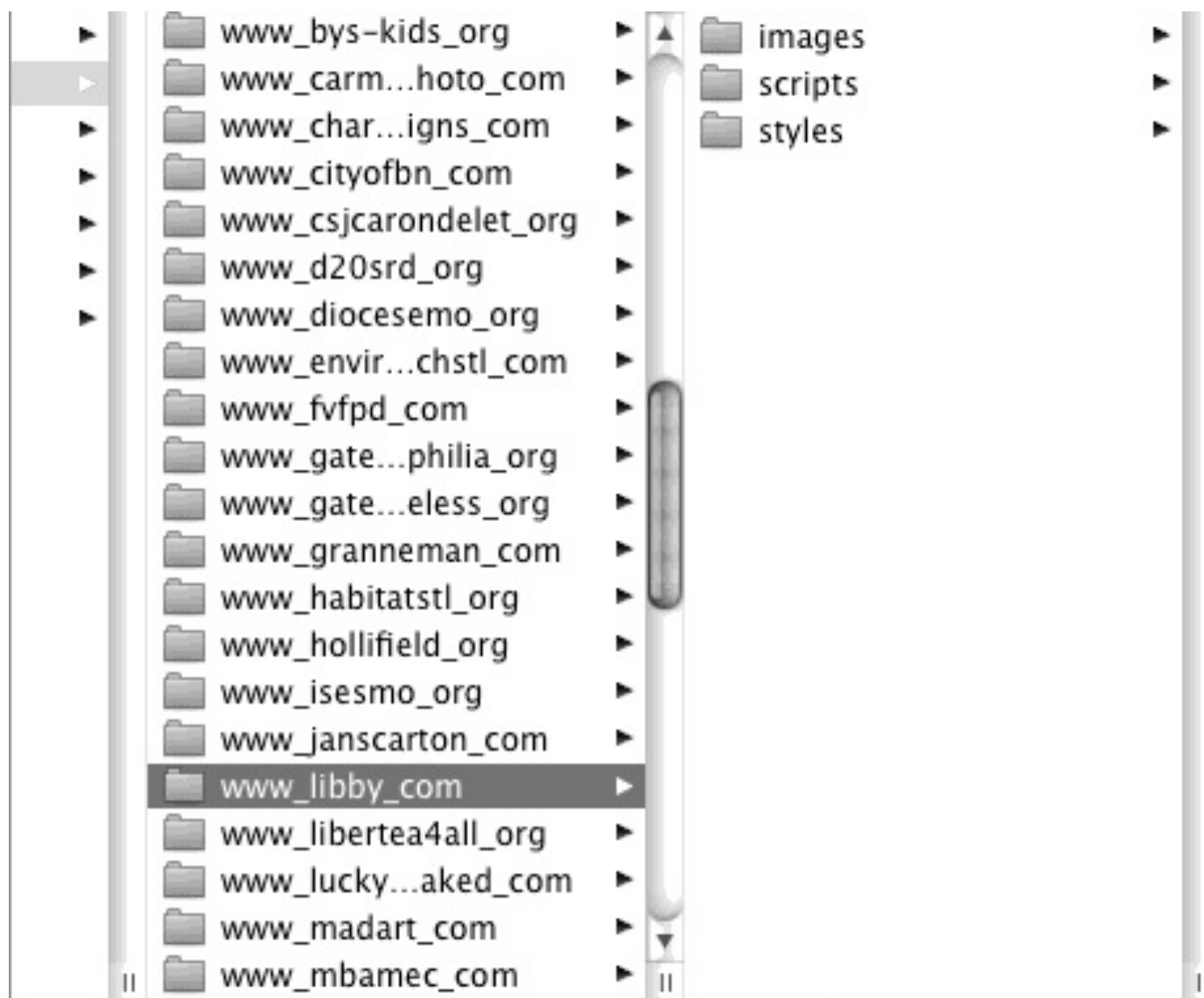
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Last updated 20080919

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Default Folder Structure





ibles

_original

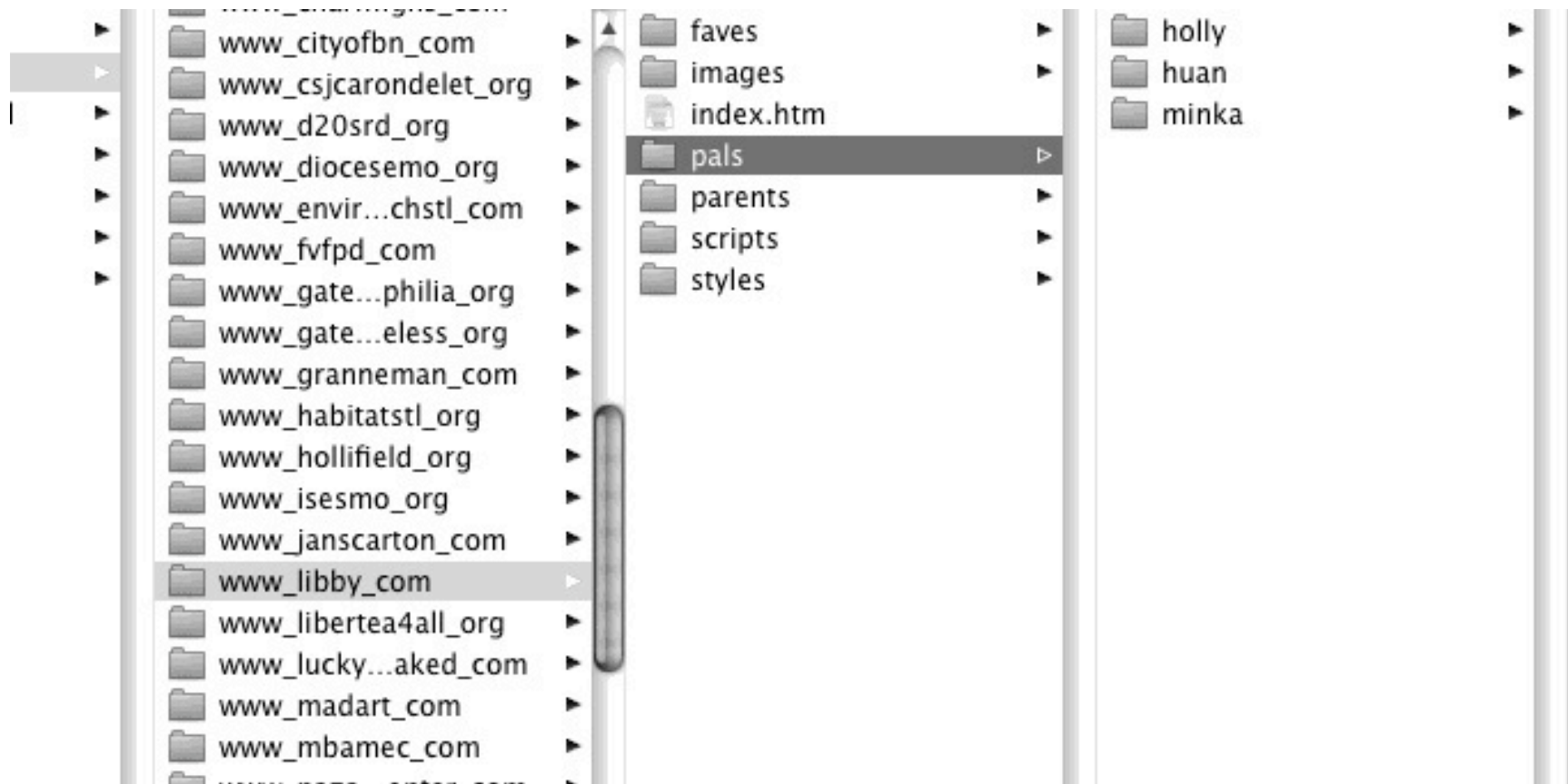
s

s copy

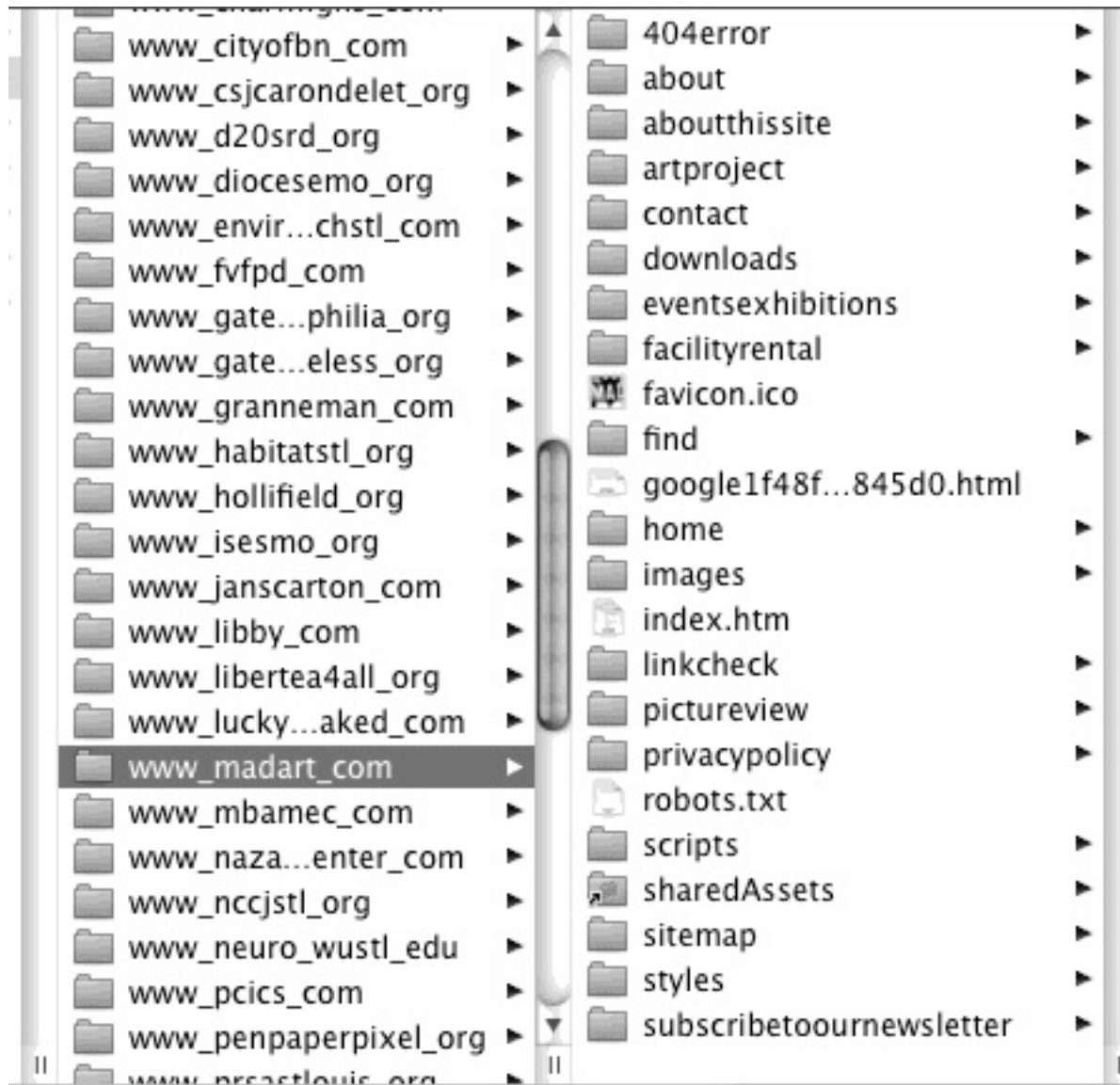
- www_cityofbn_com
- www_csjcarondelet_org
- www_d20srd_org
- www_diocesemo_org
- www_envir...chstl_com
- www_fvfpd_com
- www_gate...philia_org
- www_gate...eless_org
- www_granneman_com
- www_habitatstl_org
- www_hollifield_org
- www_isesmo_org
- www_janscarton_com
- www_libby_com
- www_libertea4all_org
- www_lucky...aked_com
- www_madart_com

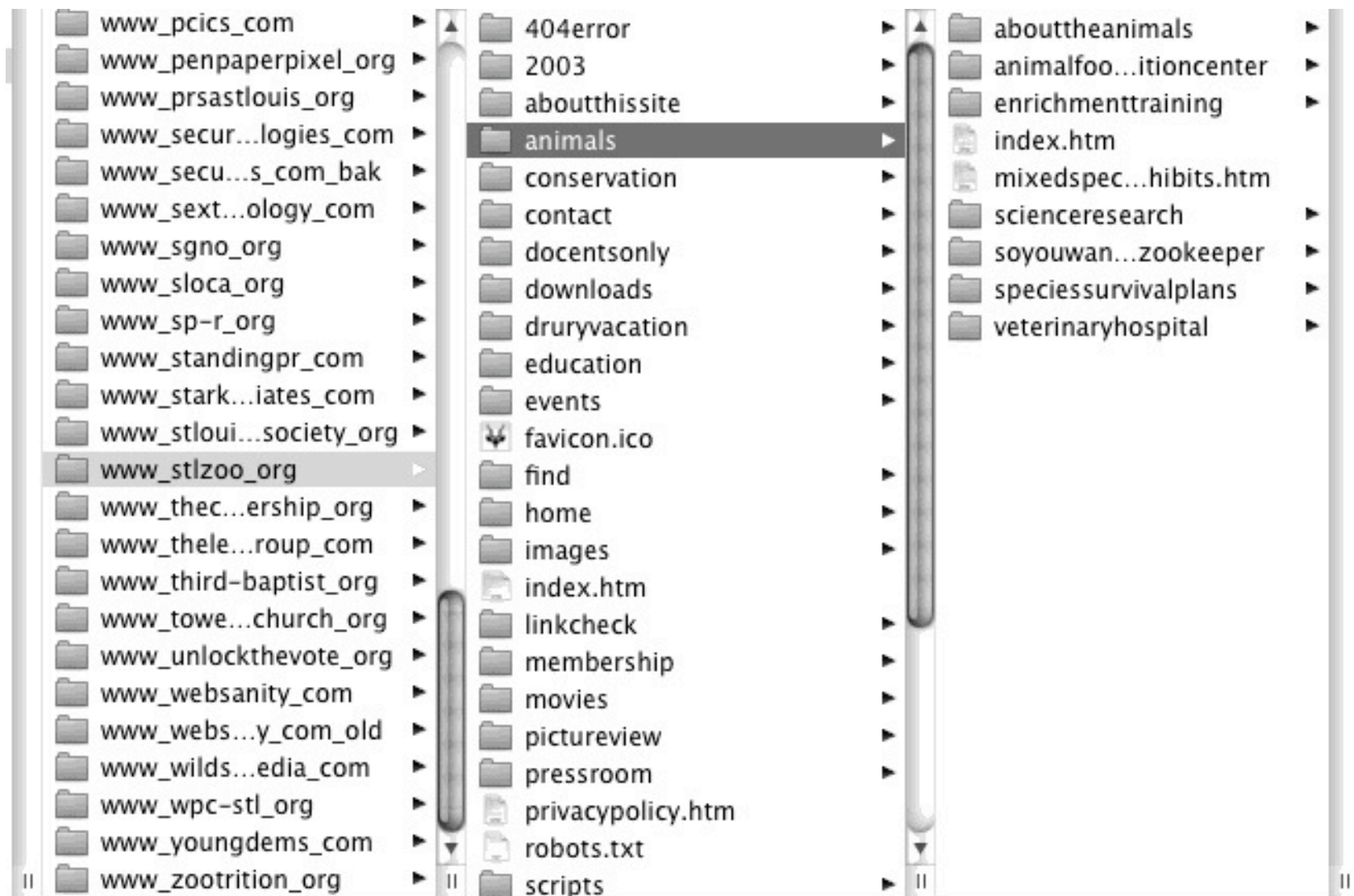
- bellyrubs
- images
- index.htm
- naps
- scripts
- scritches
- styles

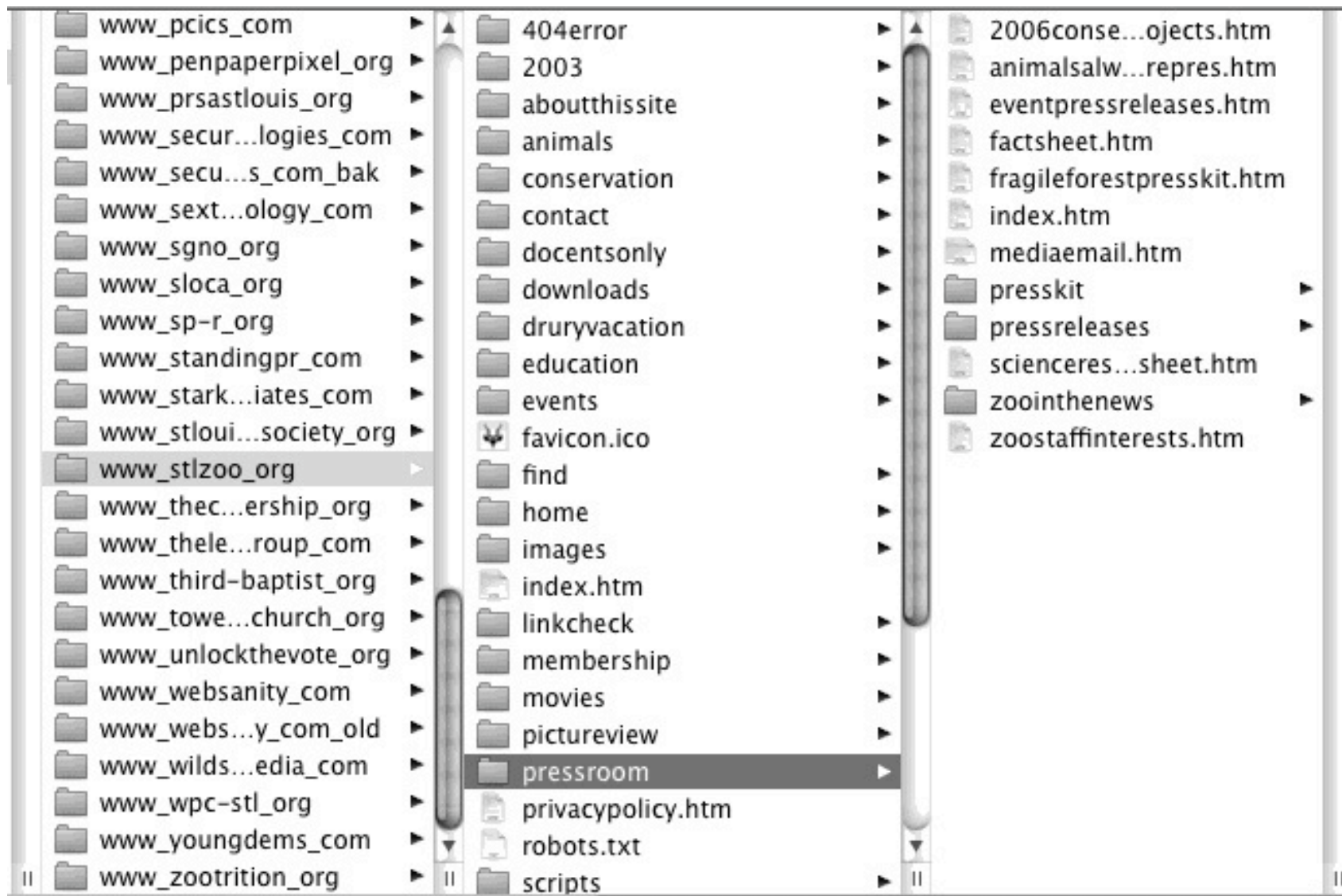












Default Index Files

```
<a href="http://www.nytimes.com">  
  The New York Times</a>
```

```
<a href="http://www.google.com/">  
  Google</a>
```

```
<a href="http://www.granneman.com">  
  Scott Granneman</a>
```

Where do you end up
when you go these URLs?

How does the web server
know which page you're asking for?

`
The New York Times Arts`

`
Google Apps`

`<a href="http://www.granneman.com/
webdev/">`

`Web Development :: Scott Granneman`

Where do you end up
when you go these URLs?

How does the web server
know which page you're asking for?

Error 403

Access forbidden!

You don't have permission to access the requested directory. There is either no index document or the directory is read-protected.

If you think this is a server error, please contact the [webmaster](#).

Error 403

www.diocesemo.org

Mon Sep 29 14:14:43 2008

Apache/2.2.8 (Unix) mod_ssl/2.2.8 OpenSSL/0.9.7l DAV/2 PHP/5.2.6

Error 404

Object not found!

The requested URL was not found on this server. If you entered the URL manually please check your spelling and try again.

If you think this is a server error, please contact the [webmaster](#).

Error 404




















www.janscarton.com

Mon Sep 29 14:16:21 2008

Apache/2.2.8 (Unix) mod_ssl/2.2.8 OpenSSL/0.9.7l DAV/2 PHP/5.2.6

Directory Listing

Index of /downloads/apply/options

<u>Name</u>	<u>Last modified</u>	<u>Size</u>
 d6c7f99b8d7684e6ad064505daa424d5data.txt	26-Sep-2008 16:23	3k
 61bb8384f9716726fffc16489ea87061data.txt	25-Sep-2008 20:57	2k
 a873ae3c272180f64d042e34977b8071data.txt	25-Sep-2008 20:40	3k
 3a71aa784db915c2adad643a74b3c751data.txt	25-Sep-2008 15:32	3k
 4a663a89203bb0e311786cf238d907cadata.txt	24-Sep-2008 23:53	3k
 e7c2d5481f212272c509c6cc2896d68ddata.txt	24-Sep-2008 20:11	3k
 f1cfe80b146b954c68b0b16c2e27e547data.txt	24-Sep-2008 19:50	3k
 a0925a393d5009ea3f0f27fbe772af42data.txt	24-Sep-2008 17:53	3k
 d8861a00f88fdd1532e26cdb79b14356data.txt	24-Sep-2008 08:14	2k
 eed2192c51d0b3ee42e203ed8d6c77aedata.txt	23-Sep-2008 21:57	3k
 76044134547bfbec2bbcd61b42e8f920data.txt	23-Sep-2008 16:41	2k
 26cf614ef74f716719e0606e900625eddata.txt	23-Sep-2008 11:10	3k
 9c1a4d753c7c622a5ee1b314ff72371edata.txt	23-Sep-2008 09:59	3k
 a7f0d62433d975d095f30e7019c6d737data.txt	22-Sep-2008 16:09	2k
 ae3392cbd785ab2edfef3bb6818d1b09data.txt	22-Sep-2008 11:22	3k
 7c9ea0913bbb473250b8936d458b247fdata.txt	19-Sep-2008 09:44	4k
 44fd7188a101d65d1c45fc5fa424e902data.txt	16-Sep-2008 16:23	2k
 61d23a8d68952ff0b5d283fd8d095feadata.txt	16-Sep-2008 01:13	3k
 1e26d948a753fcc339404af4234c3a8adata.txt	14-Sep-2008 21:29	2k
 3bdf06e95b9a7f53c110a174fdf35e33data.txt	14-Sep-2008 17:06	3k



Typical Default Index Files

Apache	IIS
index.html	default.htm
index.htm	default.asp
index.php	
index.shtml	

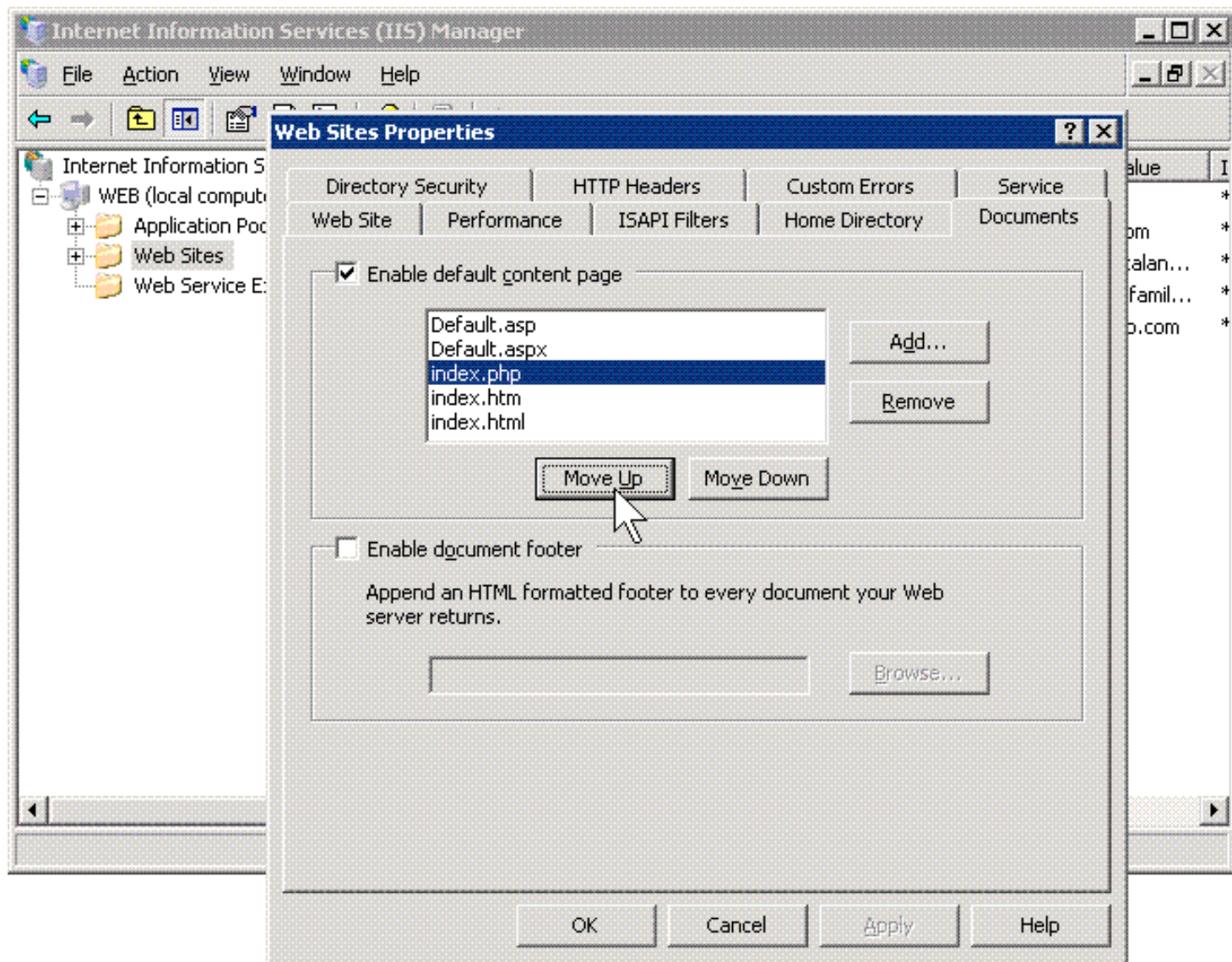
You can use any of these
on any web server,
depending upon how it's configured

Apache

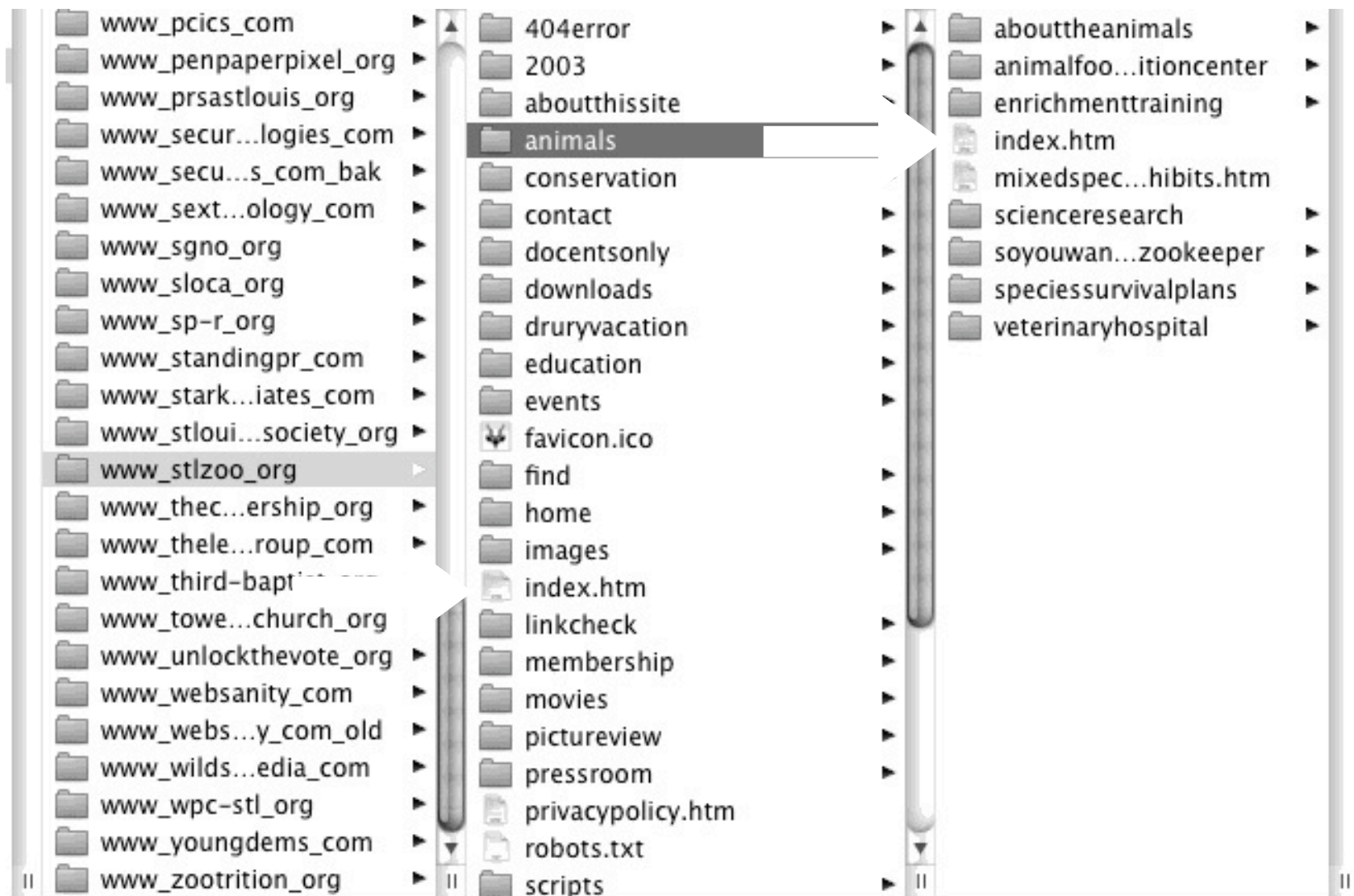
DirectoryIndex "index.php" "index.html" "index.htm"

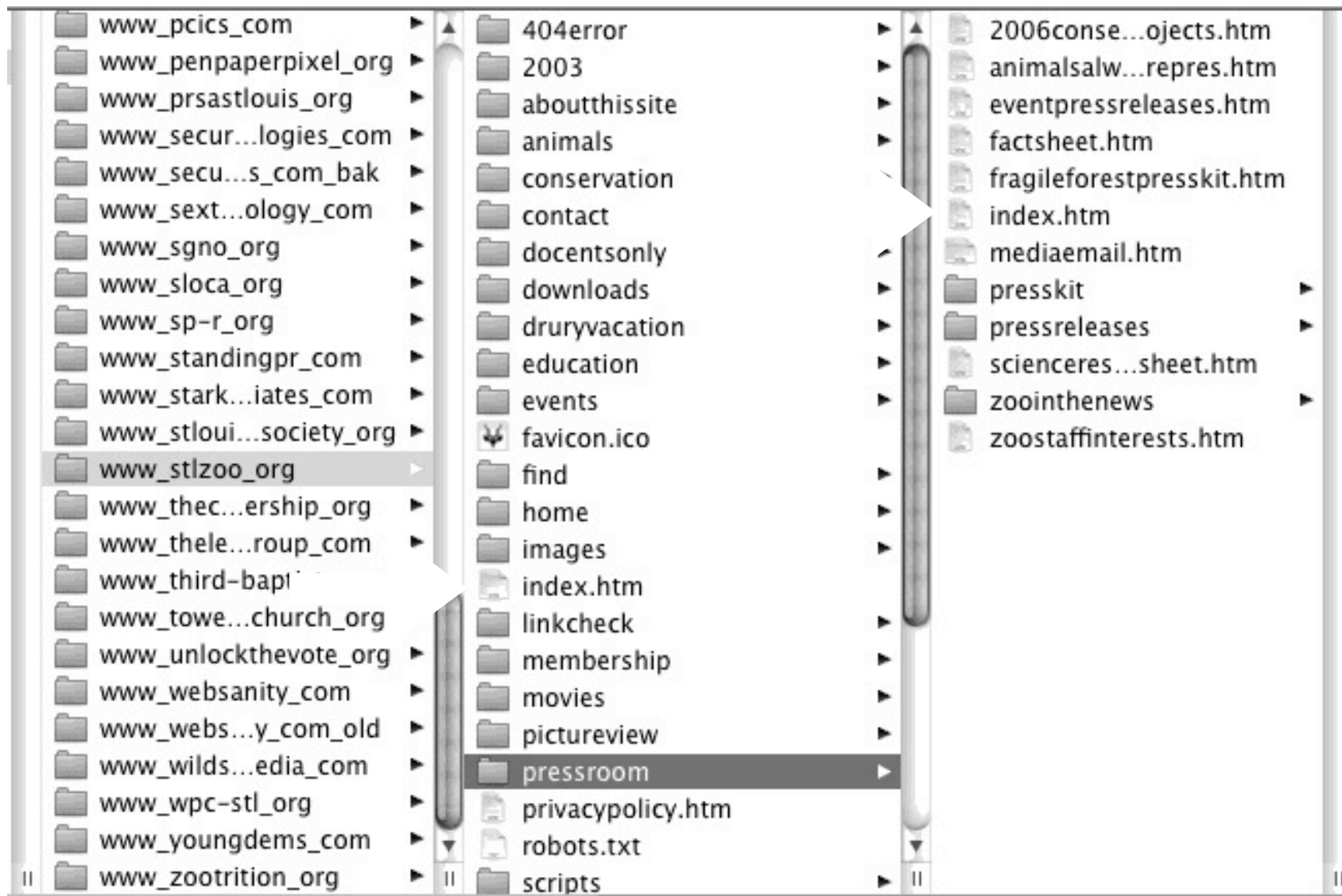
OR

DirectoryIndex "index.htm" "index.php" "index.shtml"



index.htm
index.html
index.shtml
default.html
default.shtml
default.asp
index.php
index.asp
index.jsp





Absolute & Relative

Absolute

The full, complete address
to somewhere,
from start to finish

Relative

The address
to somewhere,
in relation to where you are now

Absolute Directions

Party at my house!

40 to Skinker

N on Skinker

Pass Forest Park Parkway

R/E on Waterman

1 and 1/2 blocks on Waterman

6047 Waterman

Relative Directions

Party at my house!

From Wash U,
walk down Skinker to Waterman

Right on Waterman

1 and 1/2 blocks on Waterman

6047 Waterman



6047 waterman 63112

Search Maps

Show search options

Find businesses, addresses and places of interest. [Learn more.](#)

Get Directions [My Maps](#)

Print Send Link

A 1610 S Big Bend Blvd, St Louis, MO 63117

B 6047 Waterman Blvd, St Louis, MO 63112

[Add Destination - Show options](#)

By car

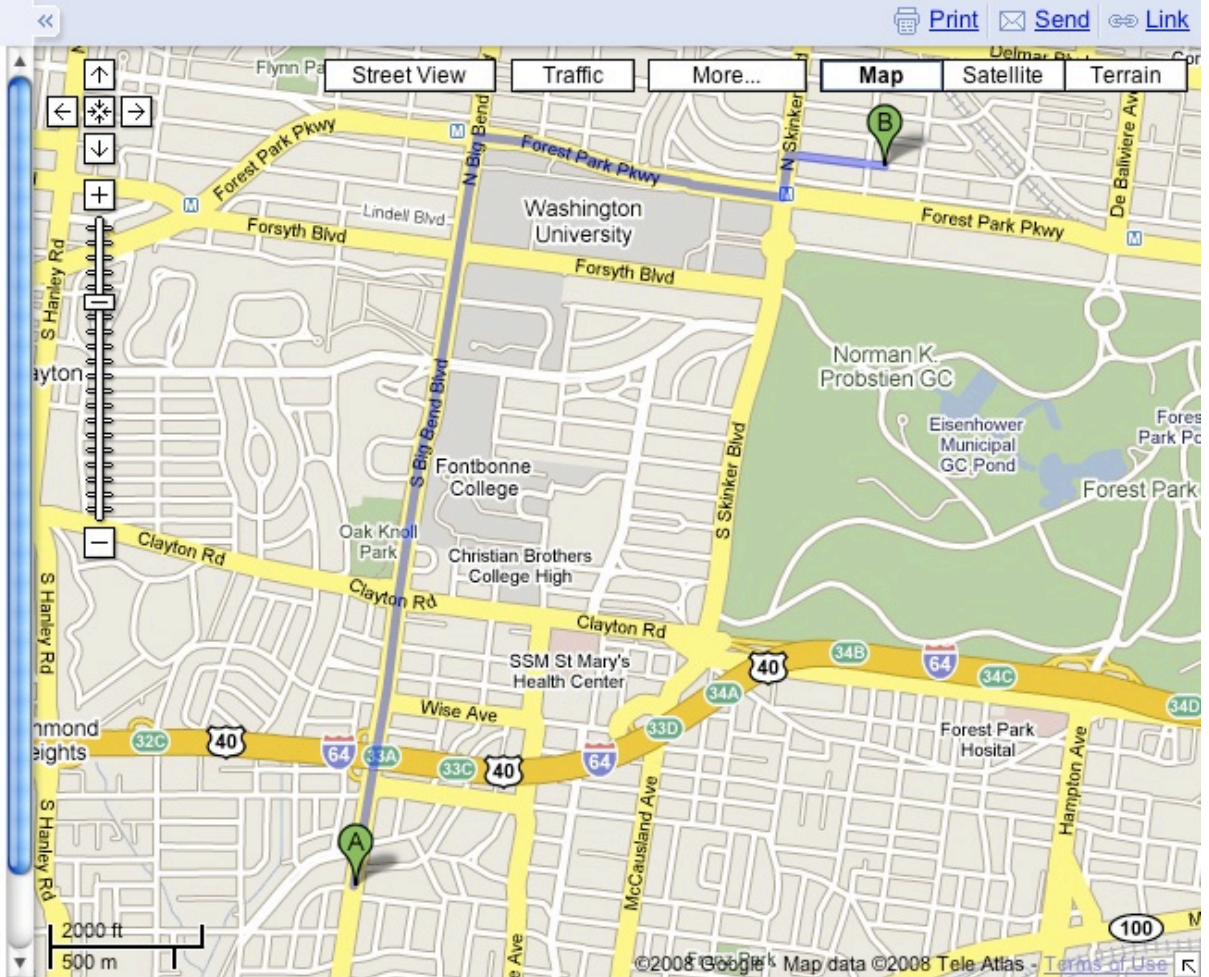
Also available: [Walking](#)

Driving directions to 6047 Waterman Blvd, St Louis, MO 63112

3.0 mi – about 9 mins

- A** 1610 S Big Bend Blvd
St Louis, MO 63117
1. Head north on **S Big Bend Blvd** toward **Arlington Dr** 1.9 mi
 2. Turn right at **Forest Park Pkwy/Millbrook Blvd** 0.8 mi
 3. Turn left at **N Skinker Blvd** 0.1 mi
 4. Turn right at **Waterman Blvd** 0.2 mi
- B** 6047 Waterman Blvd
St Louis, MO 63112

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your



	URL	Path
Relative	foo.htm bar/foo.htm	../foo.htm ../bar/foo.htm
Absolute	http://www.foo.com	/foo.htm /bar/foo.htm

URL points to Web address

Path points to file system

OK	Never OK
foo.htm	C:\Windows\foo.htm
bar/foo.htm	\Windows\foo.htm
http://www.foo.com	\foo.htm
../foo.htm	
/bar/foo.htm	

No OS-specific paths!

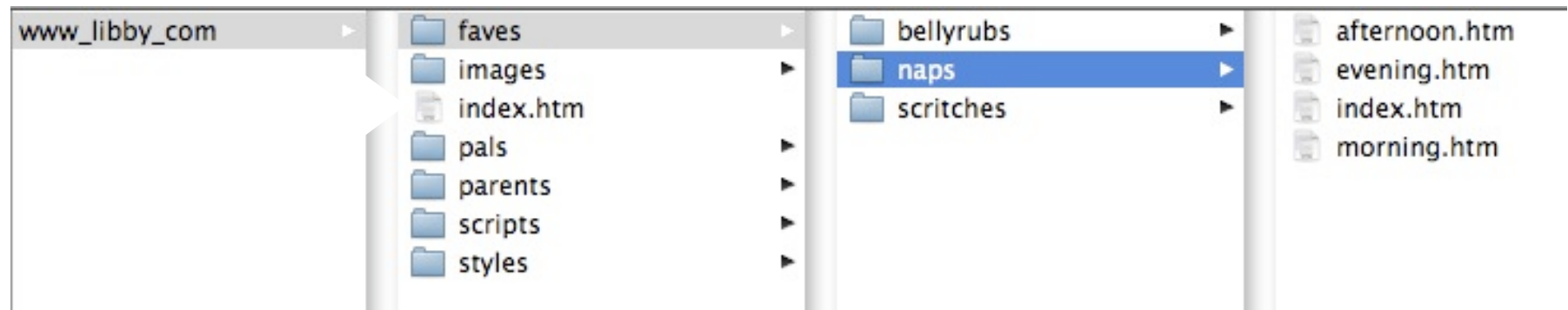
URL

Absolute URL

<http://www.libby.com/>

<http://www.libby.com/parents/>

[http://www.libby.com/parents/
scott.htm](http://www.libby.com/parents/scott.htm)



On index.htm

```
<a href="http://www.libby.com/faves/naps/afternoon.htm">After lunch</a>
```

```
<a href="http://www.dogster.com">Chat with pals</a>
```

Relative URL

foo.htm

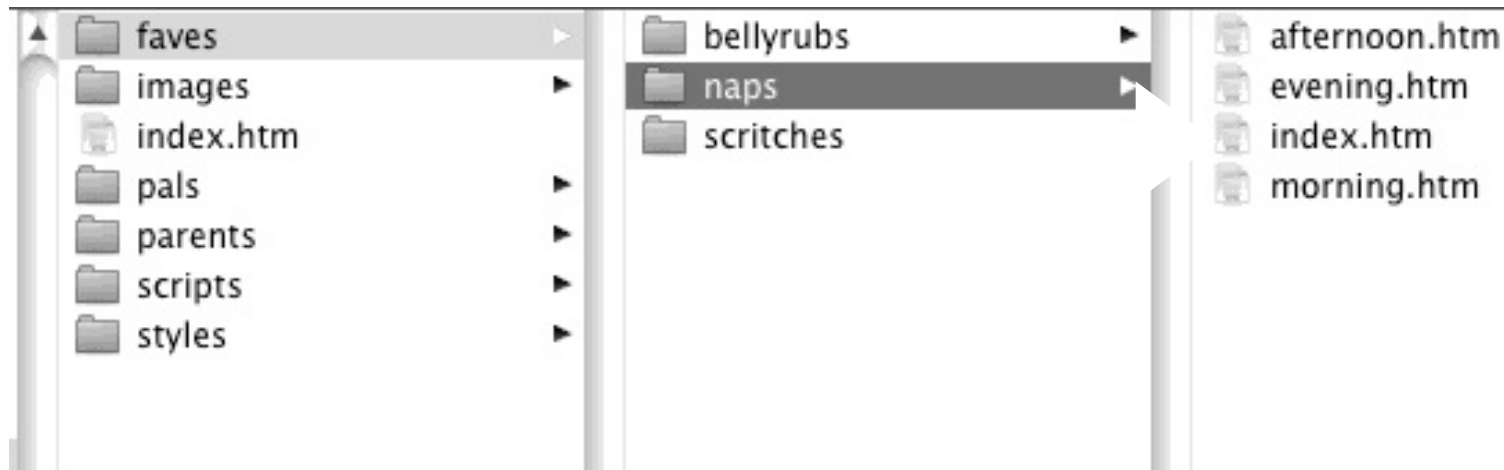
bar/foo.htm

The server fills in the rest:

http://

www.libby.com/

path/to/URL/

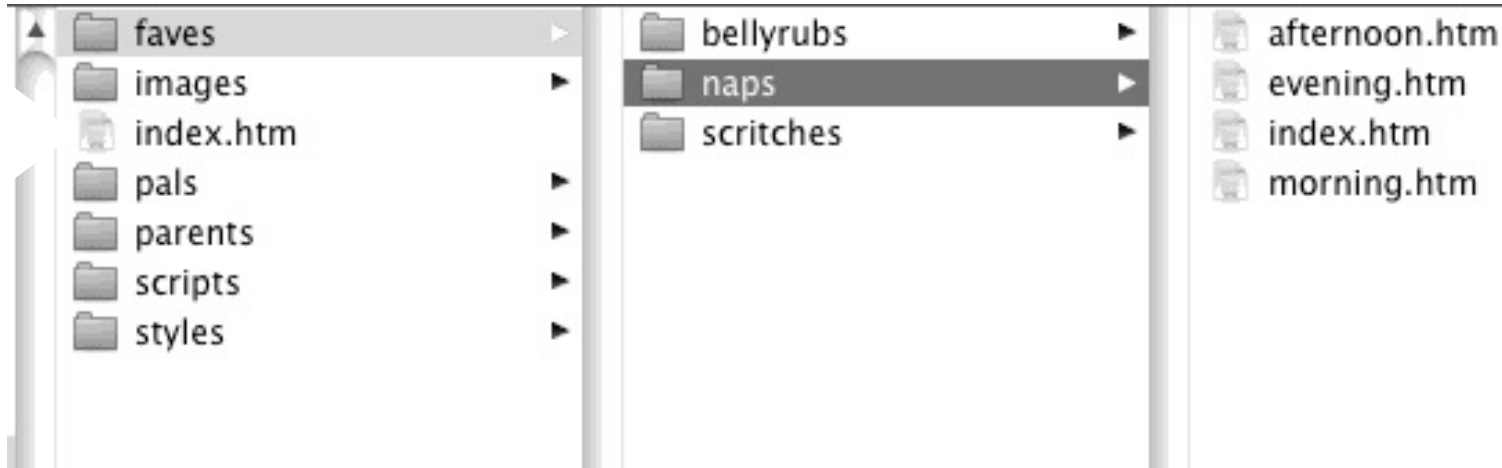


On index.htm:

```
<a href="morning.htm">After breakfast</a>
```

```
<a href="afternoon.htm">After lunch</a>
```

```
<a href="evening.htm">After dinner</a>
```



On index.htm:

```
<a href="faves/naps/morning.htm">After  
breakfast</a>
```

```
<a href="faves/naps/afternoon.htm">After  
lunch</a>
```

```
<a href="faves/naps/evening.htm">After  
dinner</a>
```

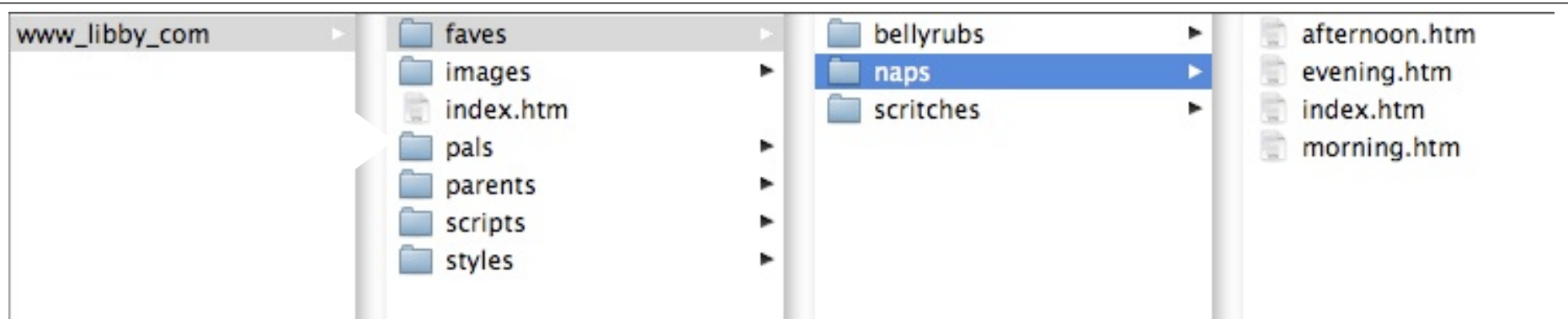
Path

Relative Path

../foo.htm

../../foo.htm

../../bar/foo.htm



As we just learned,
going *down* with a Relative URL is easy:

~~naps/evening.htm~~

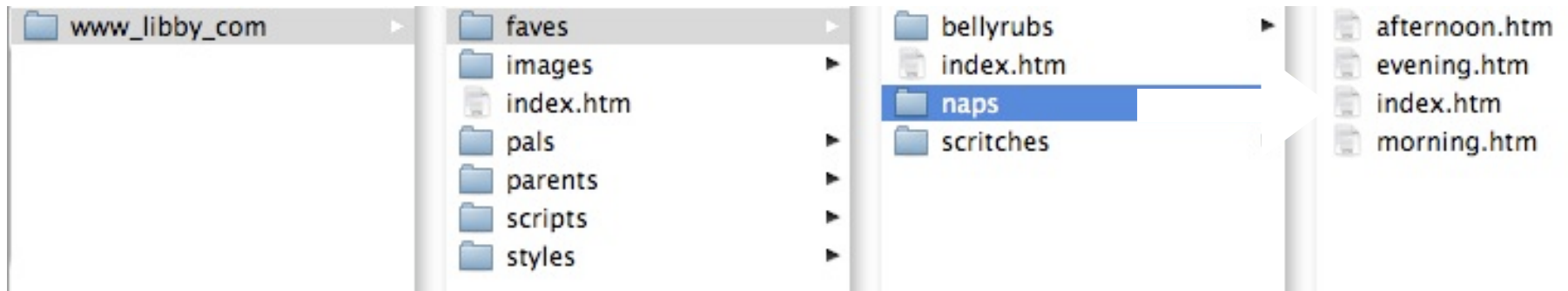
~~naps/~~

faves/naps/

faves/naps/morning.htm

How do you go *up*?

../ = up

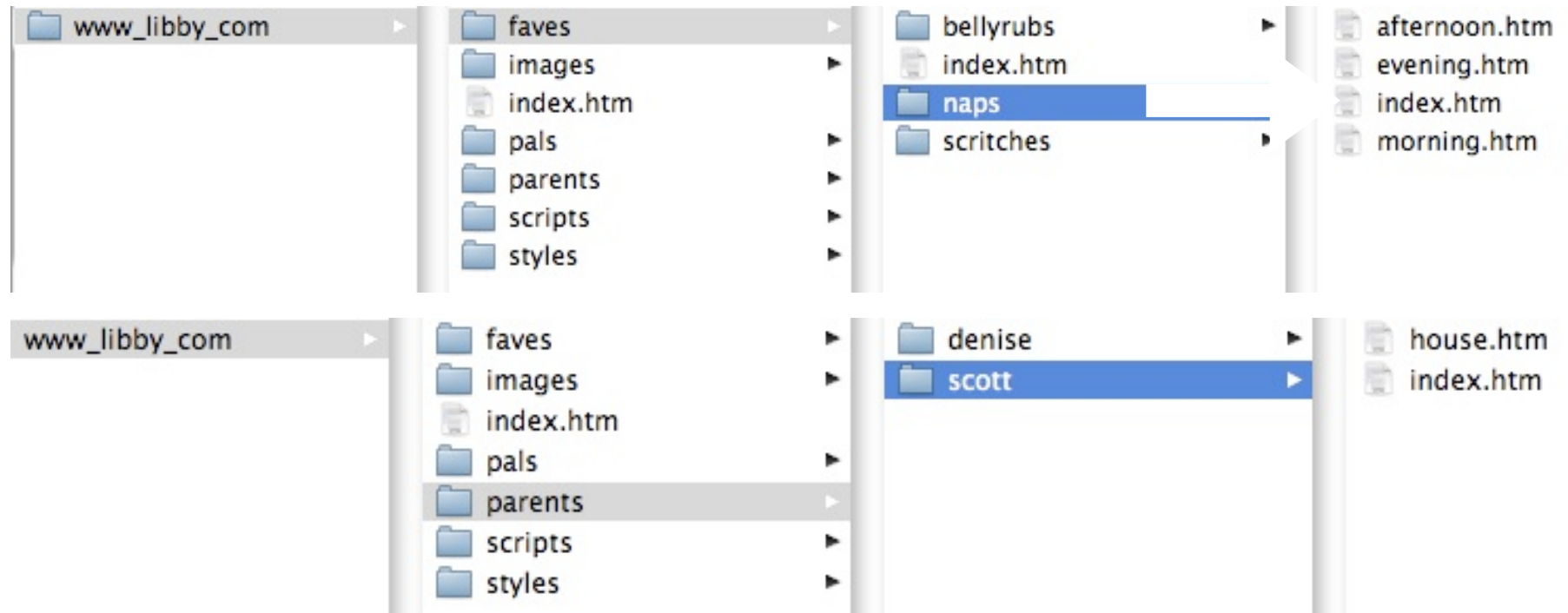


On index.htm:

../index.htm

../

../..



On index.htm:

`../../parents/scott/index.htm`

`../../parents/scott/`

`../../parents/scott/house.htm`

`../../styles/main.css`

Absolute Path

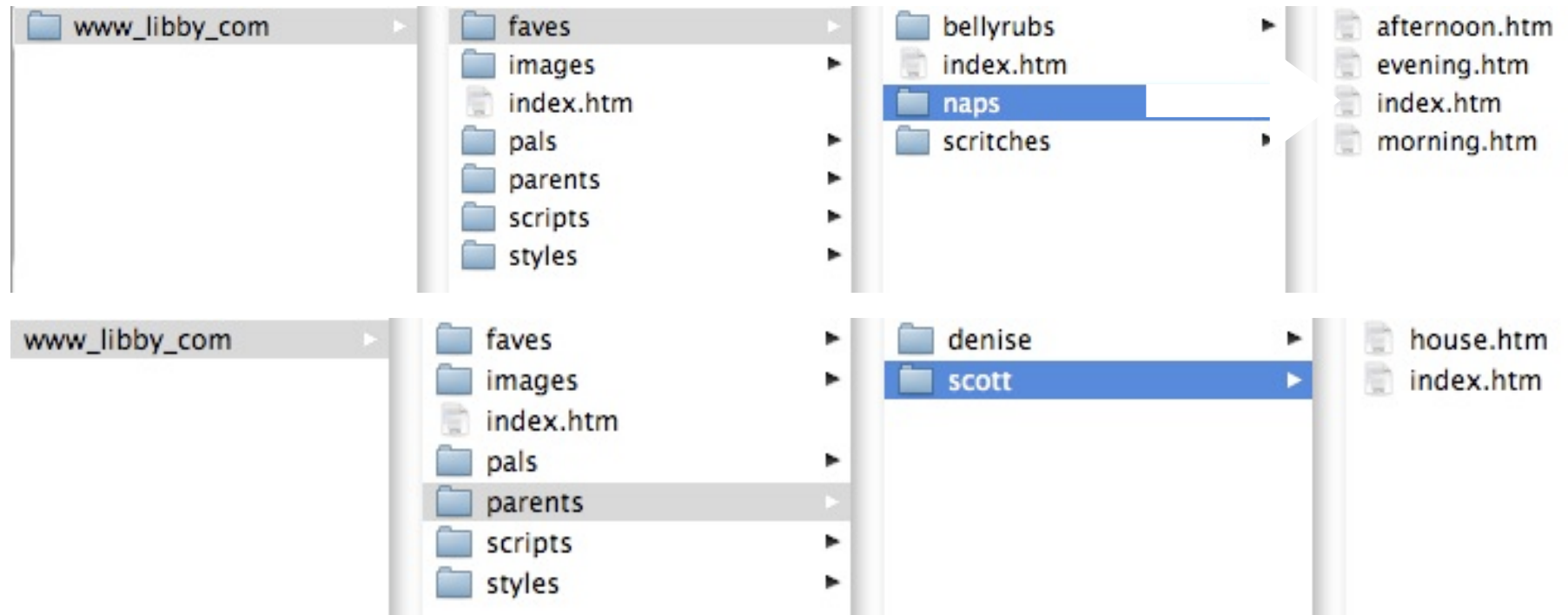
/foo/bar.htm

The web server fills in the rest:

http://

www.libby.com

The 1st / in
/foo/bar.htm
is always short for
<http://www.libby.com>



On index.htm:

`/parents/scott/house.htm`

`/parents/scott/`

`/styles/main.css`

Which
One?

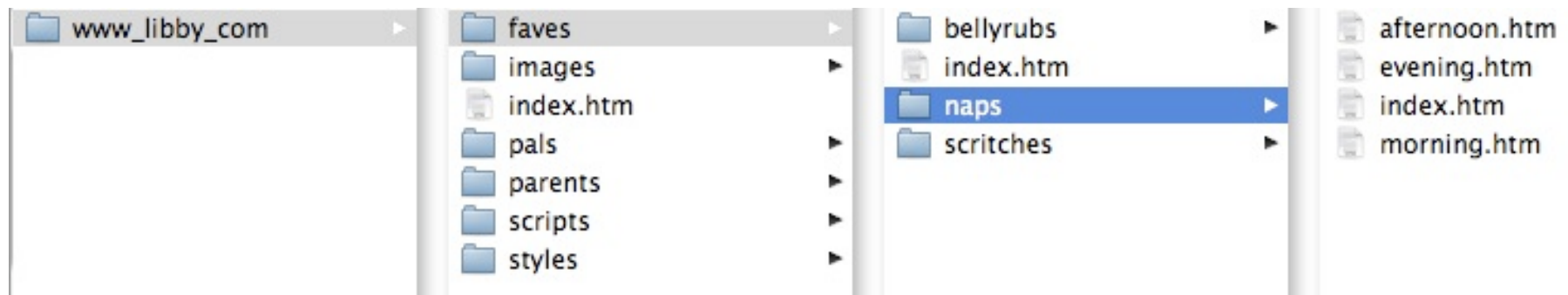
Advantages of Relative URLs & Paths

Quick & easy on small sites

Can test site on your local computer
without a web server

Can change domain name easily

Can move directories up or down
& links are preserved



Advantages of Absolute URLs & Paths

Doesn't matter where
the page with link on it
is in the file structure

Quick & easy

Can change domain name easily
(Absolute Path only)

Required for external links
(Absolute URL only)

Thank you!

<a>

Understanding Paths & Addressing

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