Rails, ReST & Resources

Routing in Rails

Resources Routing?

Web request -> specific end-point
within our application

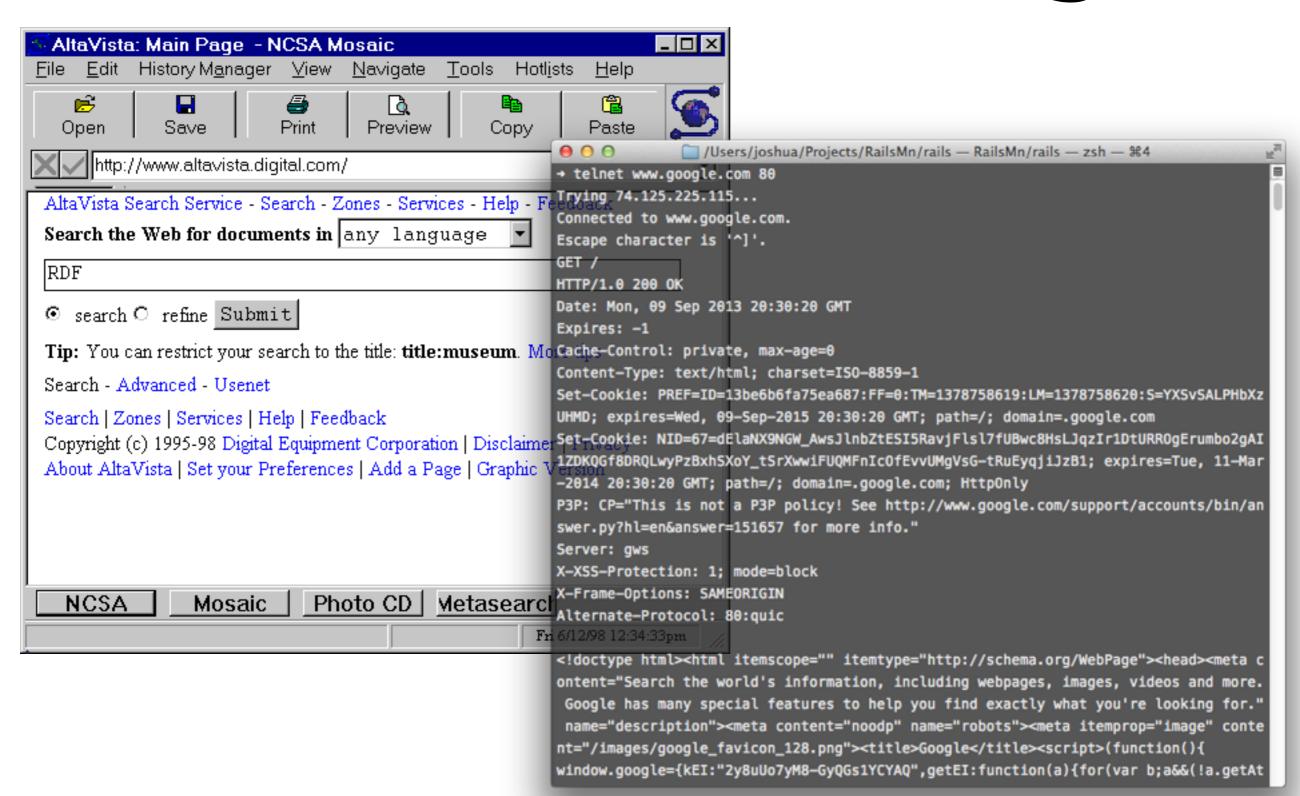
Rails Routing?

Web request -> specific end-point within our application

Website Routing?

Web request -> specific end-point
within our application

Website Routing?



Website Routing?

9 🖯 🖯	Index of /index		
Index of /index			
<u>Name</u>	<u>Last modified</u>	Size	Description
Parent Directory	02-Jun-2004 00:02	-	
archive.zip	02-Jun-2004 00:02	1k	
article/	02-Jun-2004 00:02	-	
beats.mp3	02-Jun-2004 00:02	136k	
document.txt	02-Jun-2004 00:02	1k	
folder/	02-Jun-2004 00:02	-	
folder2/	02-Jun-2004 00:02	-	
image.qif	02-Jun-2004 00:02	1k	
image.jpg	02-Jun-2004 00:02	1k	
image.png	02-Jun-2004 00:02	1k	
movie.mov	02-Jun-2004 00:02	1k	
page.html	02-Jun-2004 00:02	1k	
page.php	02-Jun-2004 00:02	1k	

Rails Routing (v1) 1. MVC 2. ??? 3. PROFIT!

Rails Routing (v1)

Default Route:

```
/:controller/:action/:id
```

- :action is optional, defaults to "index"
- id is optional,will be nil
- Hierarchy: left > right

Rails Routing (v1)

Default Route:

```
/:controller/:action/:id
```

Examples:

Rails Routing (v1)

Custom Routes:

Route, mapping + custom _url helper

Rails Routing (v2)

ReST

- Roy Fielding
- PhD Thesis 2000
- HTML + HTTPD ... ???

• Web site:

```
URLs => things
  lists of things
  forms for things
  detailed descriptions of things
```

Rails Routing (v2)

```
No more default route!
resources :things

Custom routes:
get 'path/to/thing'
   => ThingsController#do_it

Bonus - free _url helpers!
```

things_url, thing_url(:id), edit_thing_url(:id)

Rails Routing (v2)

Examples:

```
/projects => ProjectsController #index
```

```
#/projects/show/123
/projects/123
=> ProjectsController #show id: 123
```

What's a resource?

Examples:

* this is totally cheating!

Nested resource?

```
Examples:
/projects/1/tasks/123
  => TasksController
     #show
     id: 123
     project_id: 1
vs Rails 1:
/tasks/123?project_id=1
```