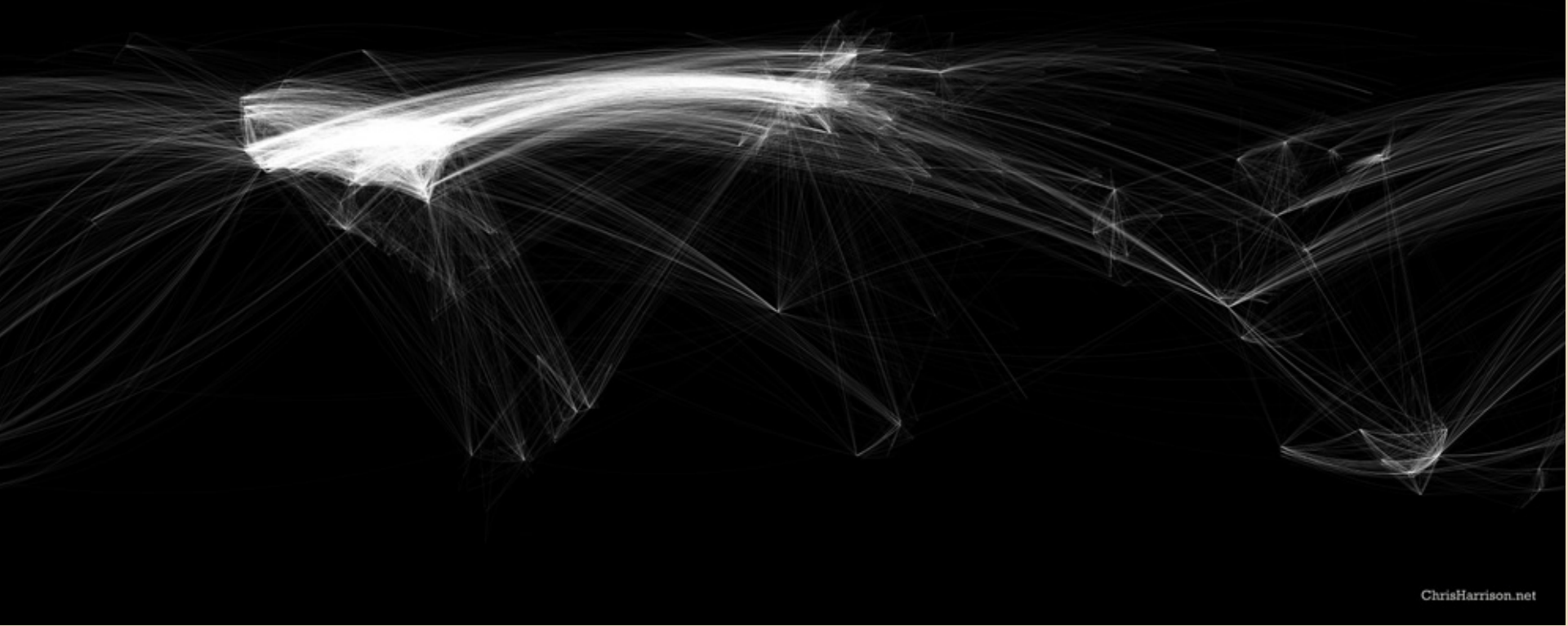


Lesson 3

- HTTP
- Routes
- Controllers
- Views.
- database.yml
- Version Control System

Internet.

Internet Map
city-to-city connections



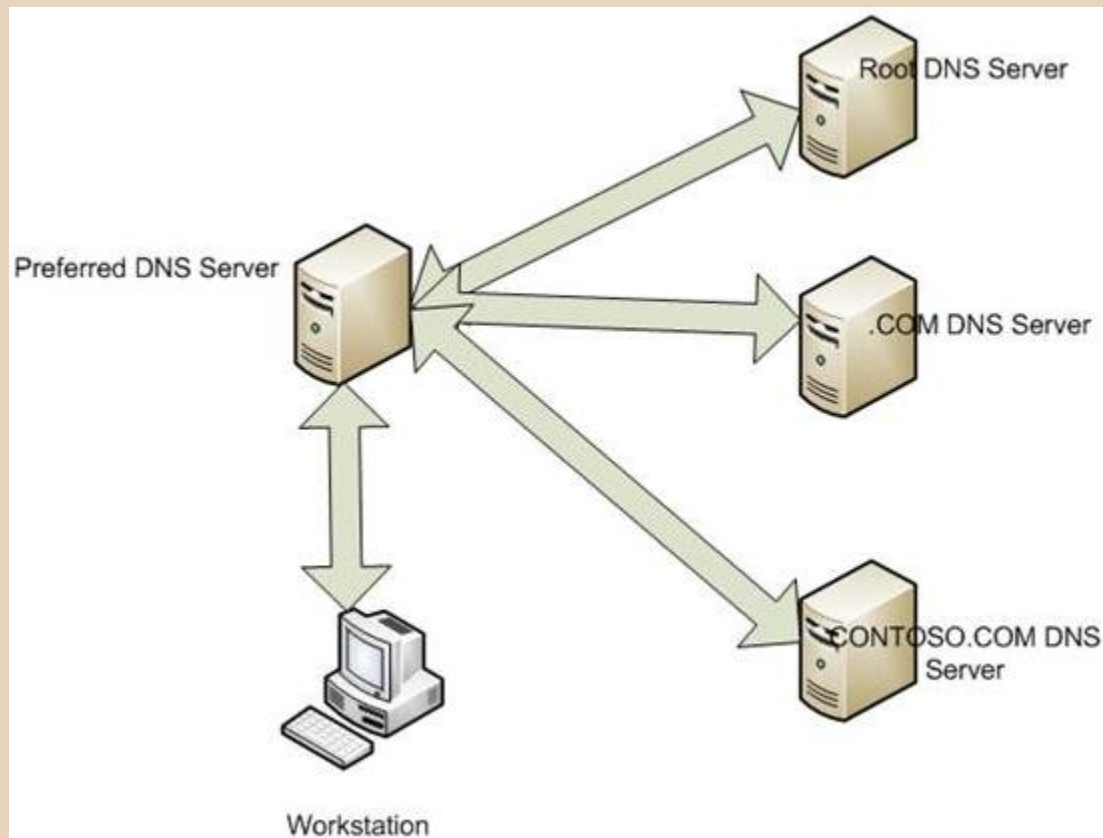
Url.

<протокол>://<хост>:<порт>/<путь>?<парам.>

Examples:

- <http://www.flatstack.com:80>
- <http://www.flatstack.com:80/projects>
- <http://www.flatstack.com:80/projects?q='le'>

DNS. (Domain name system)



Why you no give me ip?

- GET / HTTP/1.1
- Host: google.com
- RequestUrl: google.com/search
- User-Agent: Web-Kit
- Accept-Encoding: gzip
- Accept-Charset: ISO-8859-1, UTF-8;
- Cache-Control: no-cache
- Accept-Language: en;q=0.7, en-us;

Response.

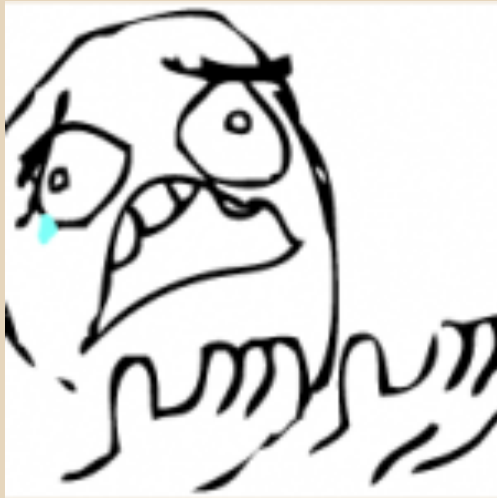
- **Status: HTTP/1.1 200 OK**
- Location: <http://www.google.com>
- Content-type: text/html; charset=UTF-8
- Content-length: 219

HTML Content

```
<HTML><HEAD><meta http-equiv="content-type" content="
text/html; charset=utf-8">
<TITLE>301 Moved</TITLE></HEAD><BODY>
<H1>301 Moved</H1>
The document has moved
<A HREF="http://www.google.com/">here</A>.
</BODY></HTML>
```

HTTP Methods. Why?

- GET
- POST
- PUT
- DELETE
- ...



Rails routes.

```
# config/routes.rb
```

```
resources :comments
```

```
# app/controllers/comments_controller.rb
```

```
class CommentsController < ApplicationController  
end
```


Routes to Actions.

GET	/comments	index
GET	/comments/new	new
POST	/comments	create
GET	/comments/:id	show
GET	/comments/:id/edit	edit
PUT	/comments/:id	update
DELETE	/comments/:id	destroy

\$ rake routes

comments	GET	/comments(.:format)	comments#index
	POST	/comments(.:format)	comments#create
new_comment	GET	/comments/new(.:format)	comments#new
edit_comment	GET	/comments/:id/edit(.:format)	comments#edit
comment	GET	/comments/:id(.:format)	comments#show
	PUT	/comments/:id(.:format)	comments#update
	DELETE	/comments/:id(.:format)	comments#destroy

Generate controller.

\$ rails generate controller comments.

```
1 class CommentsController < ApplicationController
2   def index
3     # поведение
4     # Рендерим app/views/comments/index.html.erb
5   end
6
7   def show
8     # поведение
9   end
10
11  def edit
12    # поведение
13  end
14
15  def update
16    # поведение
17  end
18
19  def new
20    # поведение
21  end
22
23  def create
24    # поведение
25  end
26
27  def destroy
28    # поведение
29  end
30 end
```

Render views.

Имя
контроллера



app/views/ :controller_name / :action

Папка для файлов с
представлениями.

Имя метода,
который был вызван.

Instance variables.

```
1 class CommentsController < ApplicationController
2   def show
3     @comment = Comment.find(1)
4   end
5 end
```

Erb.

```
1 <%= link_to 'Back', comments_path %>
2
3 <h1><%= @comment.subject %></h1>
4 <div class='coment-content'>
5   <%= @comment.message %>
6   <p>
7     Created at: <% @comment.created_at.to_s(:long) %>
8   </p>
9 </div>
```

Slim.

```
1 = link_to 'Back', comments_path
2
3 h1= @comment.subject
4 .coment-content
5   = @comment.message
6   p Created at: #{ @coment.created_at.to_s(:long) }
```

Render partials. And Dry.

app/views/comments/new.html.erb

app/views/comments/edit.html.erb

<%= render 'form' %>

app/views/comments/_form.html.erb

Form partial.

```
1 <%= form_for(@comment) do |f| %>
2   <% if @comment.errors.any? %>
3     <div id="error_explanation">
4       <h2><%= pluralize(@comment.errors.count, "error") %>
5         prohibited this post from being saved:</h2>
6
7       <ul>
8         <% @comment.errors.full_messages.each do |msg| %>
9           <li><%= msg %></li>
10          <% end %>
11        </ul>
12      </div>
13    <% end %>
14
15    <div class="field">
16      <%= f.label :subject %><br />
17      <%= f.text_field :subject %>
18    </div>
19    <div class="field">
20      <%= f.label :message %><br />
21      <%= f.text_area :message %>
22    </div>
23    <div class="actions">
```

Form for.

```
<= form_for @comment do |f| %>
  <%= f.label :subject %>
  <%= f.text_field :subject %>
<% end %>
```

```
<form action="comments/1" method="POST">
  <label_for="comment_subject">Subj.</label>
  <input type="text" name="comment[:subject]">
  ...
</form>
```

Put. Delete.

```
< input type="text" name = "_method" value="put">
```

Link to.

<%= link_to 'Label',

- `comments_path`
- `comment_path(@comment)`
- `new_comment_path`
- `edit_comment_path(@comment)`

%>

Layouts.

- Asset tags
 - `yield` and `content_for`
 - Partials
-
- `javascript_include_tag`
 - `stylesheet_link_tag`

Application layout. Head.

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    ...
```

```
    <%= stylesheet_link_tag "application" %>
```

```
    <%= javascript_include_tag "application" %>
```

```
    <%= csrf_meta_tags %>
```

```
    ...
```

```
    <%= yield(:head) if content_for?(:head) %>
```

Application layout. Body.

...

```
<body>
```

```
<%= yield %>
```

```
</body>
```

```
</html>
```

...

Apply application layout.

```
# app/views/comments/show.html.erb
```

```
<h1>  
  <%= @comment.subject %>  
</h1>
```

```
<% content_for(:head) do %>  
  <%= javascript_include_tag "comments" %>  
<% end %>
```