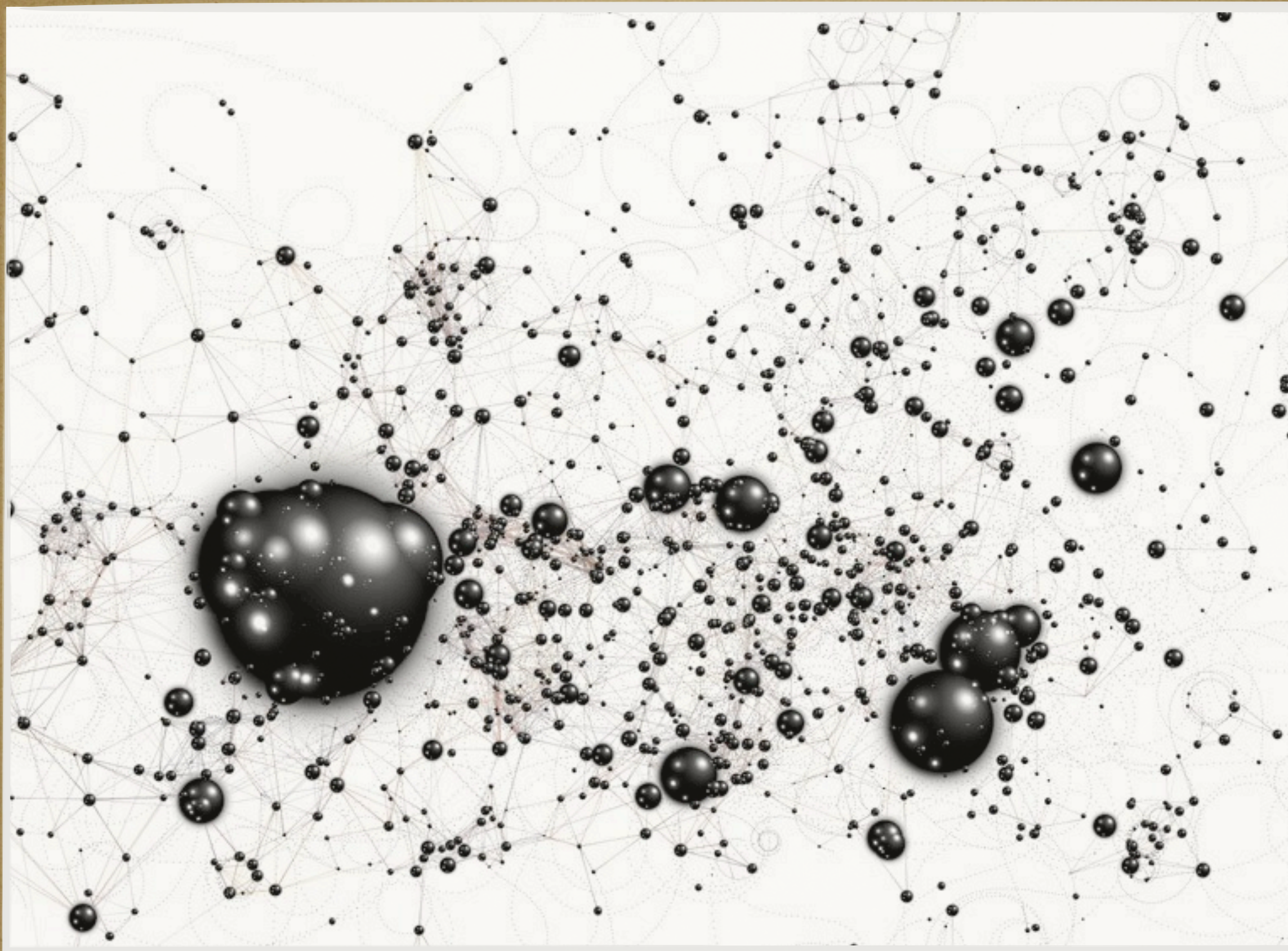# RailWayJS

NodeJS FrameWork

Agenda

- What is node?

- Install NodeJS?

- npm

- RailWayJS overview

- Install RailWayJS

- Directory structure

- Generators

- Demo

суббота, 4 августа 12 г.

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Install
Ubuntu

- ## Install the dependencies:

    ```
    sudo apt-get install g++ curl libssl-dev apache2-utils
    sudo apt-get install git-core
    ```

- ## Run the following commands:

    ```
    git clone git://github.com/ry/node.git

    cd node

    ./configure

    make && sudo make install
    ```

- ## Check node:

    ```
    node -v
    ```

Install
Mac OS

```
if (homebrew) {

    brew upgrade

    brew install node

    node -v

} else {

    https://github.com/mxcl/homebrew/wiki/installation

}
```

NPM - node package manager

RailWayJS

What is railway?

Railway is the Node.JS MVC framework based on ExpressJS, fully **ExpressJS-compatible**. It allows you to build web applications in a similar manner as in Ruby On Rails.

What is under the hood

- Full MVC+H stack
- Resource-based routing
- JugglingDB ORM
- Multi-locale support
- Coffee-script support (howto)
- Generators for model, controller, scaffold
- Testing: nodeunit, cucumis, code coverage reporting
- Debugging: railway console
- Extensions

Installing

- ## Install:

  ```
  sudo npm install railway -g
  ```

- ## Use:

  ```
  railway init blog && cd blog

  npm install -l

  r g crud name params

  r s 8888
  ```

- ## Check:

  ```
  http://localhost:8888
  ```

You can use app generator and the scaffold generator to build your first railway app in seconds

```
r - railway

g - generate

s - server

r g crud post title content

8888 - dev

3000 - prod
```

Directory structure

```
|-- app
|     |-- controllers
|     |-- models
|     |-- views
|     |    |-- layouts
|     |    |    `-- application_layout.ejs
|     |`-- helpers
|
|-- config
|     |-- database.json
|     |-- routes.js
|     |-- tsl.cert
|     `-- tsl.key
|
|-- db
|     |-- schema.js
|
|-- log
|-- node_modules
|-- public
|-- test
|-- npmfile.js
|-- server.js
|-- package.json
|-- Procfile
```

Generators

```
railway generate [what] [params]
```

-- **what** can be **model**, **controller** or **scaffold**.

-- Example of controller generation:

```
$ railway generate controller admin/posts index new edit update
exists   app/
exists   app/controllers/
create   app/controllers/admin/
create   app/controllers/admin/posts_controller.js
create   app/helpers/
create   app/helpers/admin/
create   app/helpers/admin/posts_helper.js
exists   app/views/
create   app/views/admin/
create   app/views/admin/posts/
create   app/views/admin/posts/index.ejs
create   app/views/admin/posts/new.ejs
create   app/views/admin/posts/edit.ejs
create   app/views/admin/posts/update.ejs
```

Demo

Questions?