Rails 3.0: Ab geht die Eisenbahn

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Der rote Faden

- Ruby on Rails?
- Was ist neu?
  - Architektur
  - Routes
  - Models & Queries
  - Dependency Management
  - HTML & Javascript

Ruby on Rails?

Web development that doesn't hurt

Ruby on Rails® is an open-source web framework that's optimized for programmer happiness and sustainable productivity. It lets you write beautiful code by favoring convention over configuration.

rubyonrails.com

Ruby on Rails?

- Web application framework
- Ruby
- Model View Controller

Ruby on Rails?

„Don’t repeat yourself”

„Convention over configuration”

Und was ist daran neu?

Architektur

- Fusion mit Merb
- Modularisierung
  - Austauschbarkeit
  - Wiederverwendbarkeit
  - Lesbarkeit und Verständlichkeit
- Application-Klasse: Rack Application!

Routes

Rails 2:

```
map.connect 'login', :controller
=> 'session', :action => 'new'
```

Rails 3:

```
match 'login' => 'session#new'
```

Routes

Rails 2:

```
map.connect ':controller/:action/:id'
map.connect ':controller/:action/:id.:format'
```

Rails 3:

```
match ':controller(/:action(/:id(.:format)))'
```

- commented out by default

Models & Queries

Rails 2

- ActiveRecord

Rails 3

- ActiveModel
  - (API, Validations, Callbacks,…)
- Active Record
  - (RDBS Implementierung)

Models & Queries

Rails 2

```
@task = Task.find(:all, :conditions => { :complete => false })
```

➔ Array of tasks

Rails 3

```
@task = Task.where(:complete => false)
```

➔ SQL query object

…

```
@task = @task.where(:user_id => current_user.id) if logged_in?
```

Models & Queries

Rails 2

```
@task = Task.find(:all, :conditions => { :complete => false })
```

➔ Array of tasks

Rails 3

sauberere Syntax

```
@task = Task.where(:complete => false)
```

➔ SQL query object

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@task = @task.where(:user_id => current_user.id) if logged_in?
```

Models & Queries

Rails 2

```
@task = Task.find(:all, :conditions => { :complete => false })
```

➔ Array of tasks

Rails 3

sauberere Syntax

lazy loading

```
@task = Task.where(:complete => false)
```

➔ SQL query object

...

```
@task = @task.where(:user_id => current_user.id) if logged_in?
```

Dependency Management

Rails 2
Config-Datei & Rake-Task

Rails 3
Bundler

HTML & Javascript

- HTML 5
- Unobtrusive Javascript

HTML & Javascript

XSS protection

Rails 2

```
<%= h @task.name %>
```

Rails 3

```
<%= @task.name %>

<%= raw @task.name %>

def raw(stringish)
  stringish.to_s.html_safe
end
```

Infos

http://guides.rubyonrails.org/
http://rubyonrails.org/
screencasts/rails3/
http://railscasts.com/

Ausblick

Modern web frontend development
15. November oder 6. Dezember

- Ideen?