The Why and How
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Why?
Performance
Performance

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- More performance means less hardware, less time spent optimizing
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• More performance means less hardware, less time spent optimizing
• Many refactorings will reduce hackage required for certain patterns
New features
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- Cut down on time spent maintaining stopgaps for added features
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- Cut down on time spent maintaining stopgaps for added features
- Ensure that new and better practices are baked in
Segmentation
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- Segmenting your app into little services has never been easier
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• Changing from monolithic app to scalable “SOA” app is easy
Segmentation

• Segmenting your app into little services has never been easier

• Changing from monolithic app to scalable “SOA” app is easy

• Building custom components has never been easier
How?
rails_upgrade

http://github.com/rails/rails_upgrade
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- Plugin to help you determine what to upgrade and help you do it
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- Plugin to help you determine what to upgrade and help you do it
- Runs tests on your current 2.x app
- Helps you create Rails 3.x compatible code
- Backs up important files
Regenerate

rails ./
Regenerate

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- The easiest way to get the right pieces is to regenerate the application
• The easiest way to get the right pieces is to regenerate the application

• Be sure you back up files it wants to replace.

rails ./
Reconfigure

rake rails:upgrade:gems
rake rails:upgrade:routes
Reconfigure

rake rails:upgrade:gems
rake rails:upgrade:routes

• Move a lot of environment.rb to application.rb
Reconfigure

rake rails:upgrade:gems
rake rails:upgrade:routes

- Move a lot of environment.rb to application.rb
- Move config.gem calls to Gemfile
Reconfigure

rake rails:upgrade:gems
rake rails:upgrade:routes

• Move a lot of environment.rb to application.rb
• Move config.gem calls to Gemfile
• Upgrade your routes file
Boot and rake

rails server
rake test
rake rails:upgrade:check
Boot and rake

rails server
  rake test
  rake rails:upgrade:check

• Boot the app
Boot and rake

rails server
rake test
rake rails:upgrade:check

• Boot the app

• Run your tests (unless you’re using RSpec)
Boot and rake

rails server
  rake test
  rake rails:upgrade:check

- Boot the app
- Run your tests (unless you’re using RSpec)
- Run the rails:upgrade:check task again
Fix the codes
Fix the codes

- You’ll probably have some code fixes to make.
Fix the codes

• You’ll probably have some code fixes to make.

• Tests will hopefully cover them...
Snags
Snags

- You will hit them.
Snags

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- It’s unlikely they’re documented anywhere, but some are.
More info.
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- Rails 3 Release Notes and Guides
  http://guides.rails.info/
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- EdgeRails.info
  http://edgerails.info/
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• EdgeRails.info
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• Linked lists from railslove.com and mediumexposure.com
  http://is.gd/8CZN2
  http://is.gd/8CZWn
More info.
More info.

- Yehuda’s blog
  http://yehudakatz.com
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- Mike Lindsaar’s blog
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- My blog
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- Rails Upgrade Handbook
  http://railsupgradehandbook.com