Ruby Tooling in NetBeans
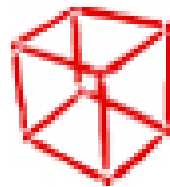
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Agenda

- **What is Ruby?**
- **What is JRuby?**
- **What is Ruby on Rails?**
- **What is the NetBeans IDE?**
- **Ruby Support in NetBeans IDE**
- **Ruby on Rails Support in NetBeans IDE**

What is Ruby?

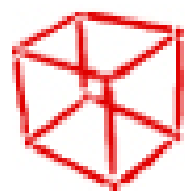**A dynamic, <u>open source</u> programming language with a focus on simplicity and productivity.**

What is JRuby?

An <u>open source</u> Java implementation of the Ruby language.

What
is
Ruby on Rails?

An <u>open source</u> web framework that's optimized for programmer happiness and sustainable productivity.
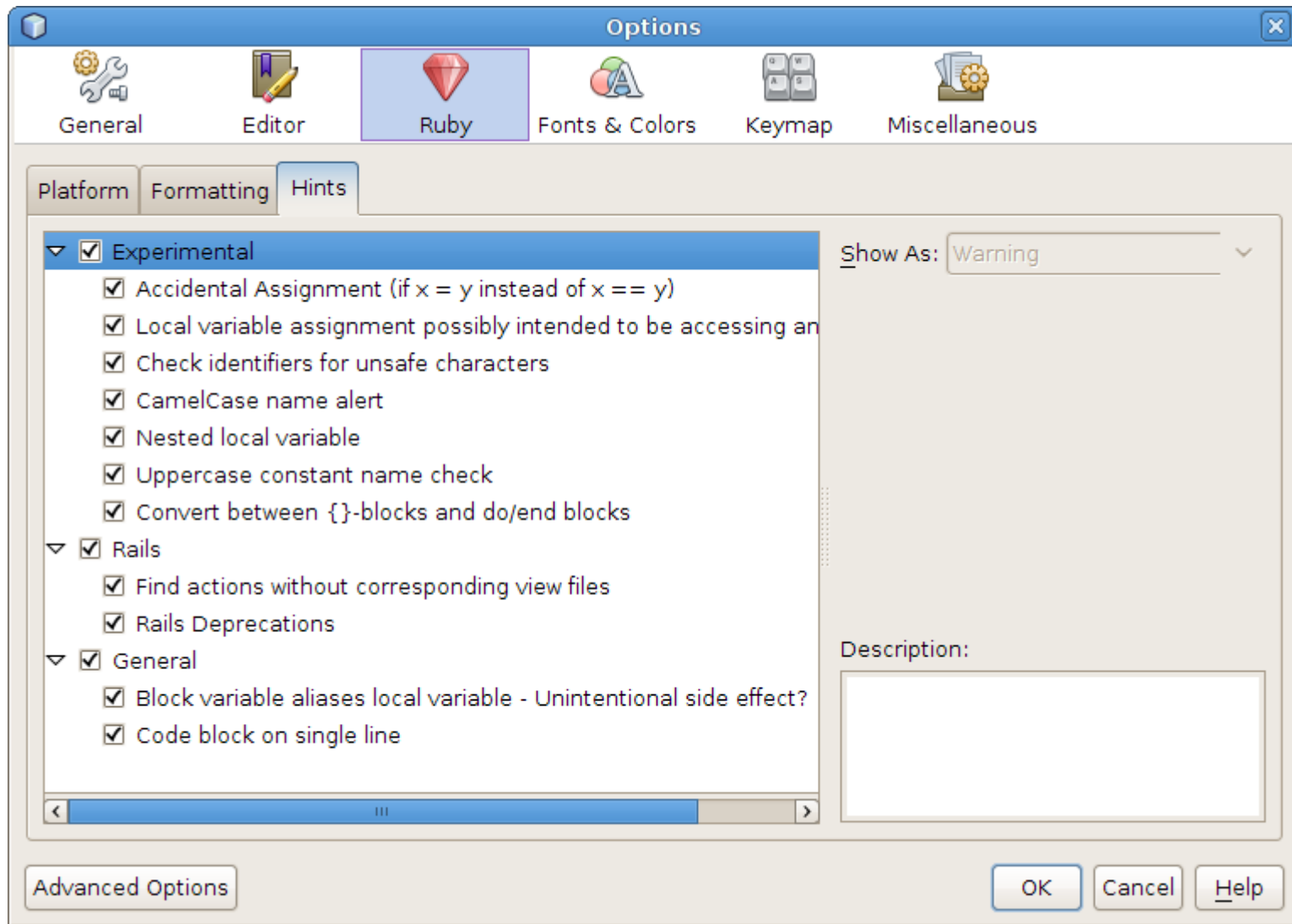
What is the NetBeans IDE?

An <u>open source</u>

Integrated Development Environment

that includes JRuby

and

support for

Ruby and Ruby On Rails

Ruby Support in the NetBeans IDE:
Everything
you need
in the
Edit,
Test,
Debug
Cycle

Powerful Code Editor

- Code-completion
- In-place API documentation
- Syntax highlighting
- Mark **occurrences**
- Go to declaration
- Instant **Rename**

Hints

Live Code Templates

ife<tab>

if **condition**

else

end

Most TextMate snippets included

Source Level Debugging!

- Stepping

- Breakpoints

- Local Variables

- Call Stack

- Threads

- Watches

Get it?

- Balloon-Evaluation

Unit Testing

- Test:Unit
- RSpec
- AutoTest

Ruby Gem Manager

- View Installed Gems

- Update existing Gems

- Add new Gems

IRB

irb(main):001:0> 'Ruby'.length

=> 4
irb(main):002:0>

Version Control

- Subversion
- CVS
- Local History

Integrated Database Tooling

- View Data

- Execute SQL Command

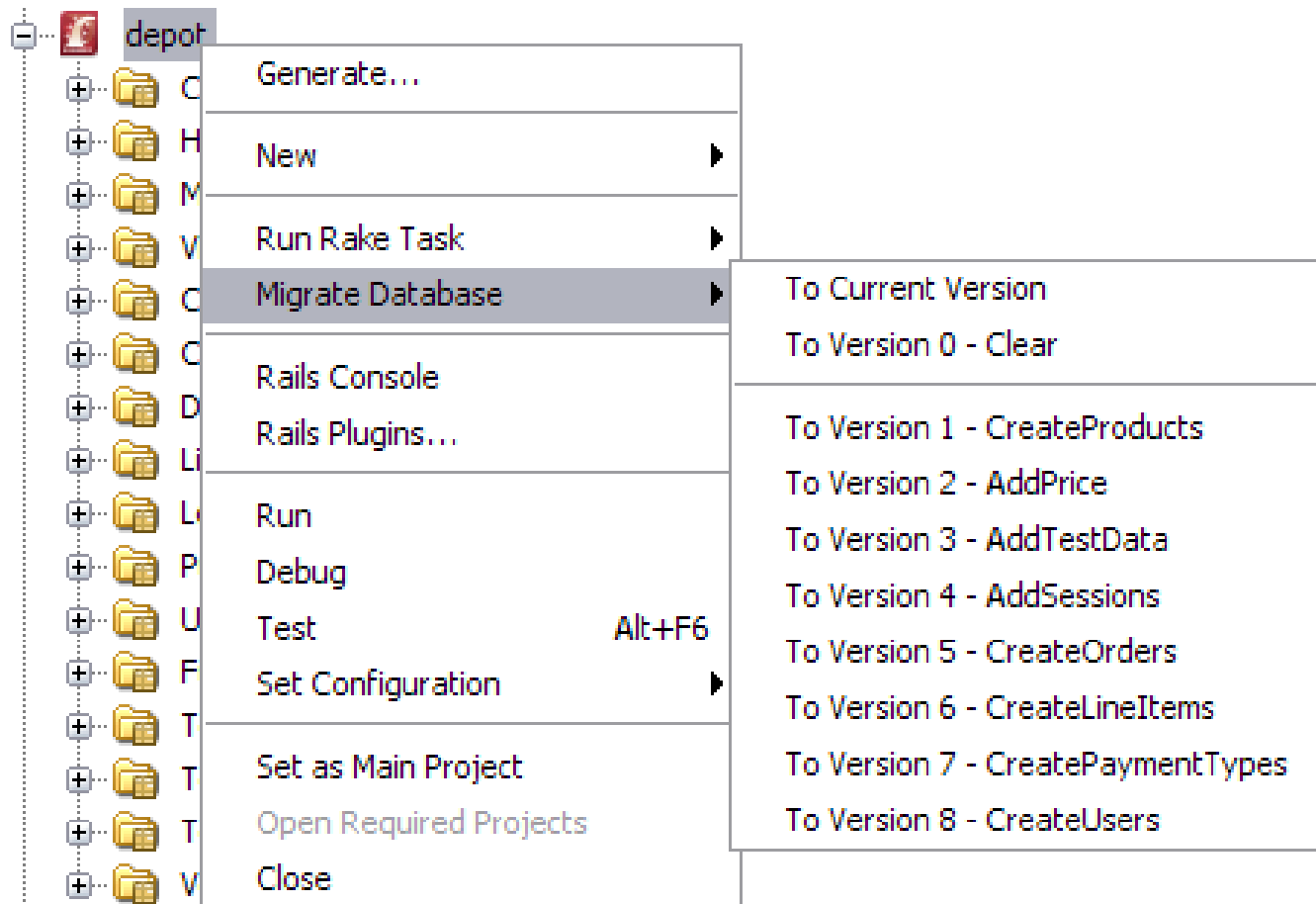- Design Queries

Miscellaneous Stuff....

- Window Tricks
- Configuration

Plus, support for
Rails

Project and Code Generators

- Generate Models, Controllers ...
- Skip or Overwrite existing files
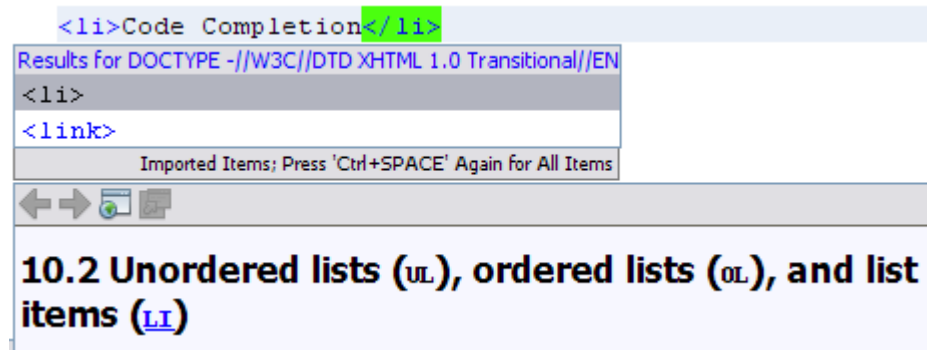- Preview Only Option
- Usage provided in dialog

Database Migrations

RHTML Editing

\<li\>Syntax highlighting\</li\>

\<li\>Code completion\</li\>

```
<li>Code Completion</li>
Results for DOCTYPE -//W3C//DTD XHTML 1.0 Transitional//EN
<li>
<link>
      Imported Items; Press 'Ctrl+SPACE' Again for All Items
```

10.2 Unordered lists (UL), ordered lists (OL), and list items (LI)

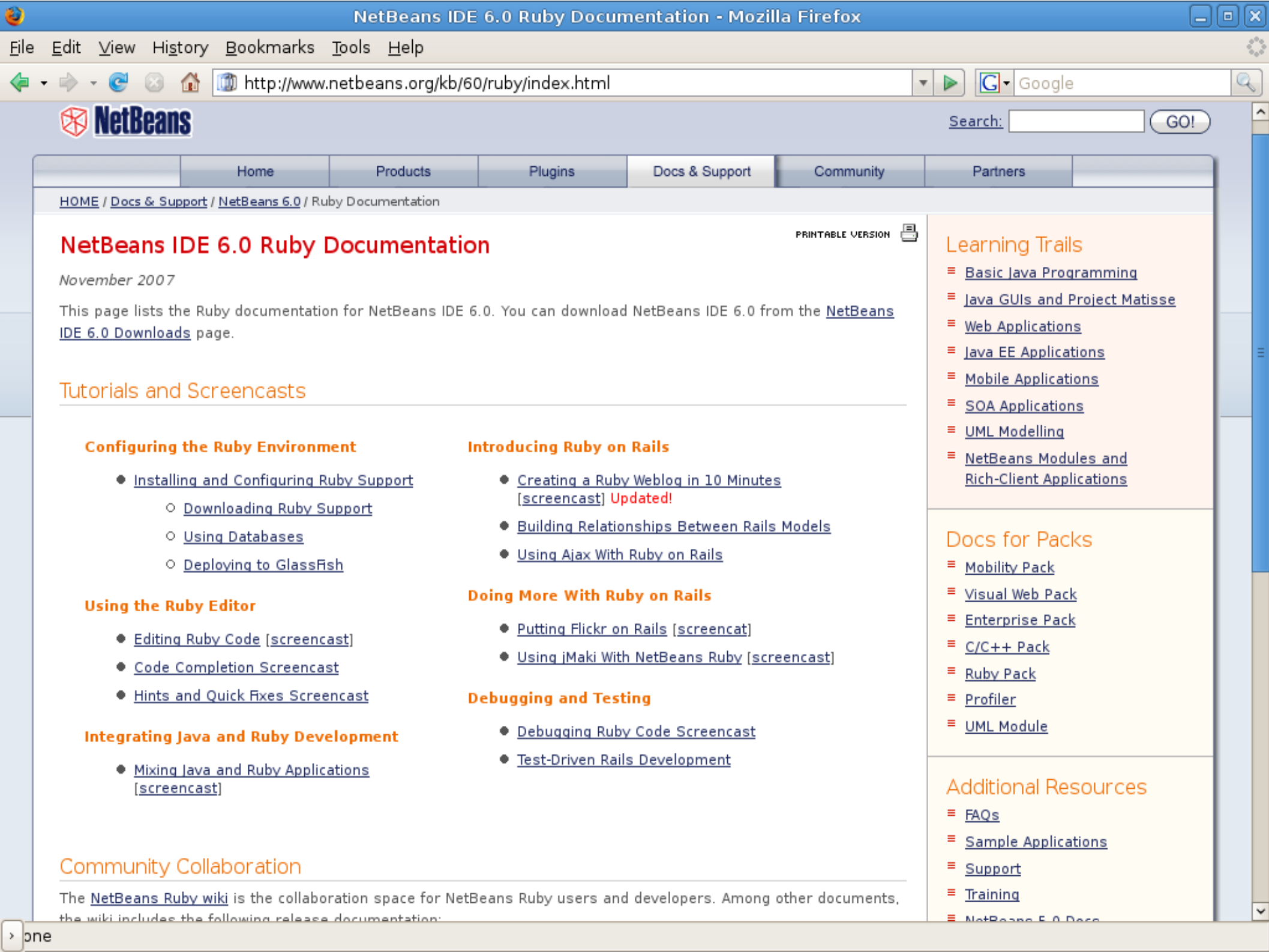\<li\>Goto Action/View\</li\>

Server Integration

- WEBrick automatically started
- Server console window
- Mongrel also supported

RHTML Debugging

- Set Breakpoints in your RHTML
- View local variables
- Set watches
- Call stack
- Balloon Evaluations

Resources

- http://www.netbeans.org/
- http://www.netbeans.org/ruby/
- http://wiki.netbeans.org/wiki/view/Ruby
- **http://www.netbeans.org/kb/60/ruby/index.html**

NetBeans

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NetBeans IDE 6.0 Ruby Documentation

PRINTABLE VERSION

November 2007

This page lists the Ruby documentation for NetBeans IDE 6.0. You can download NetBeans IDE 6.0 from the NetBeans IDE 6.0 Downloads page.

Tutorials and Screencasts

Configuring the Ruby Environment

- Installing and Configuring Ruby Support
  - Downloading Ruby Support
  - Using Databases
  - Deploying to GlassFish

Using the Ruby Editor

- Editing Ruby Code [screencast]
- Code Completion Screencast
- Hints and Quick Fixes Screencast

Integrating Java and Ruby Development

- Mixing Java and Ruby Applications [screencast]

Introducing Ruby on Rails

- Creating a Ruby Weblog in 10 Minutes [screencast] Updated!
- Building Relationships Between Rails Models
- Using Ajax With Ruby on Rails

Doing More With Ruby on Rails

- Putting Flickr on Rails [screencat]
- Using jMaki With NetBeans Ruby [screencast]

Debugging and Testing

- Debugging Ruby Code Screencast
- Test-Driven Rails Development

Community Collaboration

The NetBeans Ruby wiki is the collaboration space for NetBeans Ruby users and developers. Among other documents, the wiki includes the following release documentation:

Learning Trails

- Basic Java Programming
- Java GUIs and Project Matisse
- Web Applications
- Java EE Applications
- Mobile Applications
- SOA Applications
- UML Modelling
- NetBeans Modules and Rich-Client Applications

Docs for Packs

- Mobility Pack
- Visual Web Pack
- Enterprise Pack
- C/C++ Pack
- Ruby Pack
- Profiler
- UML Module

Additional Resources

- FAQs
- Sample Applications
- Support
- Training
- NetBeans 6.0 Docs

Thank You!

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