



JRuby *on* Rails

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Agenda

- What is **Ruby**
- What is **Rails**
- What is **JRuby**
- What is **JRuby on Rails**
- What is **NetBeans Ruby IDE**

What is **Ruby**?

What is Ruby?

- Object-oriented
- Dynamically typed
- Extensible via Ruby Gems
 - Very active community
 - Wide range of applications
- Created by Yukihiro “Matz” Matsumoto
- Released in 1995
- Jumped in popularity in 1996

Some Cool Things...

EVERYTHING is
an object

**Methods can be
added on the fly**

**Even missing
methods can be
handled.**

```
class Blog
  attr_accessor :title
  def initialize( title )
    @title = title
  end

  def Blog.method_added( name )
    puts "#{name} method added"
  end

  def method_missing( method )
    puts "There is no #{method} method, but I
      could create one if you like."
  end
end
```


**What
is**



?



- Metaprogramming
- Active Record
- Convention over configuration
- Scaffolding
- Easy Ajax
- Rapid feedback loop

What
is
 **JRuby**
?



Open source
Java
implementation of the
Ruby
language

What

is



JRuby

on



?

**Simply a
Rails
application running on
JRuby**

**What
is
NetBeans Ruby IDE?**

An
Integrated Development
Environment
for
Ruby

**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**

Live Code Templates

bt<tab>

belongs_to :object

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

Welcome to the JRuby IRB Console

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

```
=> 4
```

```
irb(main):002:0>
```

Version Control

- Subversion
- CVS
- Local History

Integrated Database Tooling

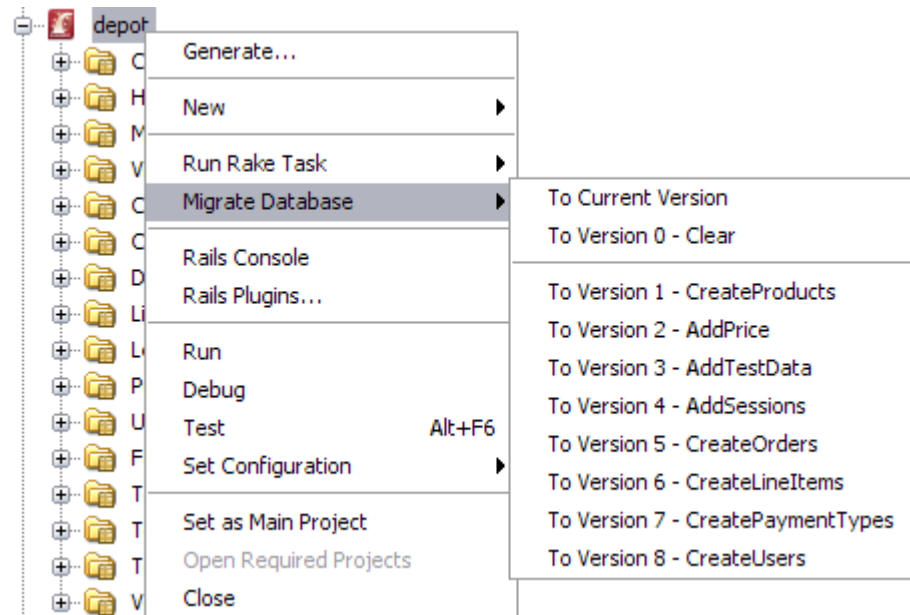
- View Data
- Execute SQL Command
- Design Queries

**Plus, support for
Rails**

Project and Code Generators

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

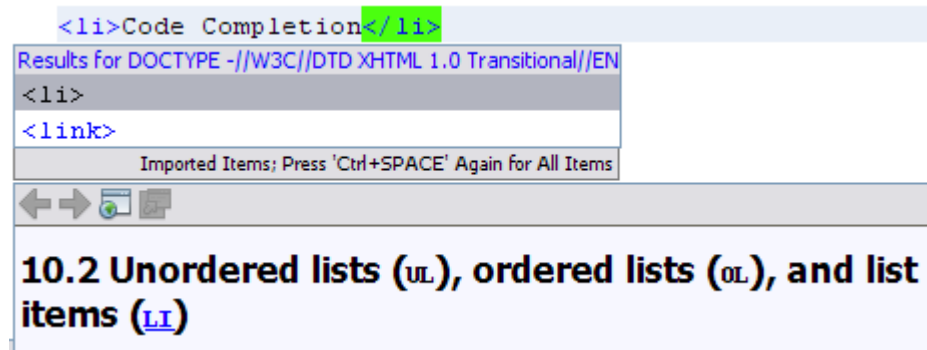
Database Migrations



RHTML Editing

Syntax highlighting

Code completion



Goto Action/View

Server Integration

- WEBrick automatically started
- Server console window
- Mongrel also supported
- Rails applications run in place
 - No deployment!

RHTML Debugging

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

Conclusion

You can take
advantage of the
agility of
Ruby and **Rails**
while continuing to
leverage your
investment in
Java

Reference

- <http://www.netbeans.org>
- <http://docs.codehaus.org/display/GRAILS/Home>
- <http://weblogs.java.net/blog/arungupta/>