



Ruby Tooling: State of the Art



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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, open source
programming language
with a focus on simplicity
and productivity.**



What is JRuby?

**An open source
Java
implementation of the
Ruby
language.**



What is Ruby on Rails?

**An open source web
framework that's
optimized for programmer
happiness and sustainable
productivity.**



What is the NetBeans IDE?

**An open source
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
 - Balloon-Evaluation
- Get it?

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 'Ruby'.length
```

```
:0>
```

```
=> 4
```

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

Version Control

- Subversion
- CVS
- Local History

Integrated Database Tooling

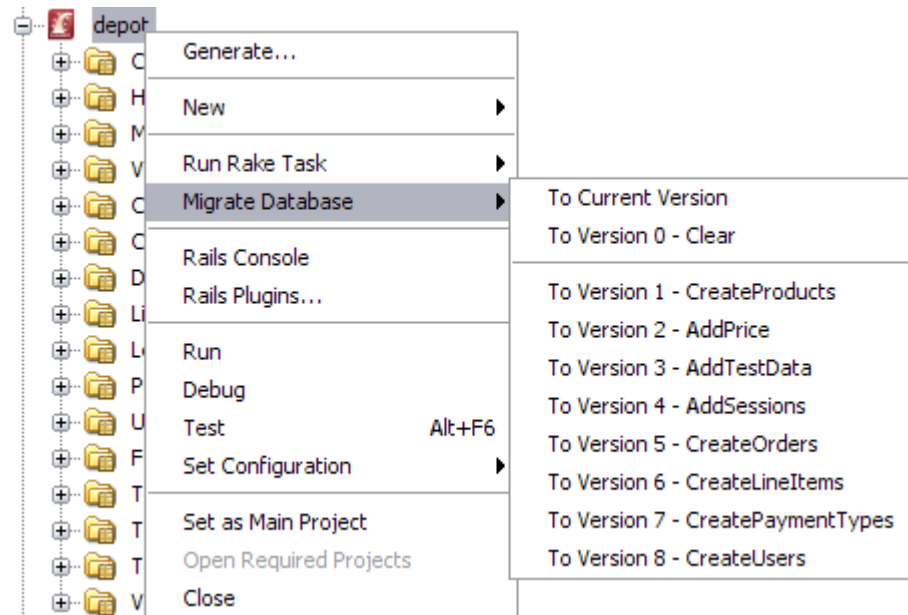
- View Data
- Execute SQL Command
- Design Queries

**Plus, support for
Rails**

Project and Code Generators

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

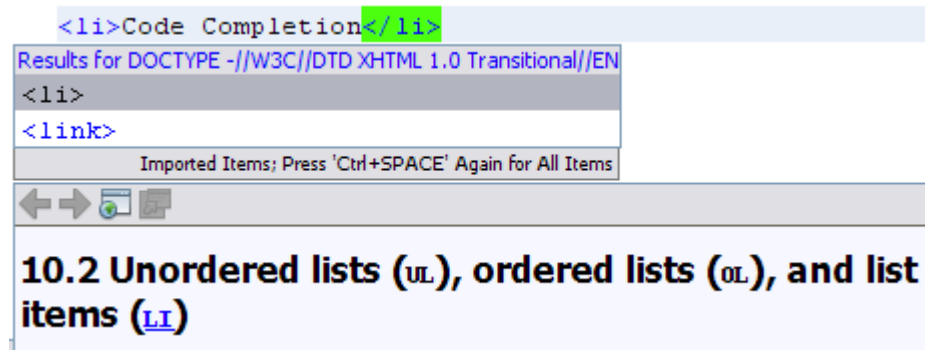
Database Migrations



RHTML Editing

 Syntax highlighting

 Code completion



 Goto Action/View

Server Integration

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

RHTML Debugging

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

Conclusion – Part 1

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

Conclusion – Part 2

There are tools
available that can
help!