Advanced Ruby: a round-up

Tomasz Stachewicz

Warsaw Ruby Users Group
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Outline

- functional programming in Ruby
- Ruby's dynamism/reflection
- metaprogramming ("programming the program")

Audience

Beginner and mid-level
Ruby programmers

(including adv. Rails programmers ;))

Functional Programming

- passing blocks like arguments
- block-passed variables, iterators
- yield
- funny things done with blocks (Array)
- Proc vs. lambda

Dynamic Programming

- .send(:method) - an all-time classic
- .respond_to? - before sending
- .methods
- .class, .is_a?
- Method#arity - a live example
- goes smoothly to...

Metaprogramming

"Metaprogramming is the writing
of computer programs that
write or manipulate other programs
(or themselves) as their data"

--Wikipedia

Metaprogramming in Ruby

- Monkey-patching (example!)
- (alias!)
- per-object behavior: singleton classes
- Object#extend(module)
- eval
- class_eval: specializing subclasses
- instance_eval: specializing objects

One More Thing...

Hal Fulton's "The Ruby Way"
is a
must-buy.

Seriously.
(for chapter 11 itself)

That's all folks!

Why don't you come over here

and say that??

Discussion?