

Rake

Friday, February 10, 12

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ruby make

- Written by Jim Weirich
- Inspired by make
- Written in ruby
- Not just for ruby projects
 - C, Java, .NET, and more

EdgeCase}

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The Rakefile

- specify tasks
- describe dependencies
- group tasks into namespaces
- just write ruby!
 - classes, modules, etc.

tasks

```
desc "delete backup files"
task :clean do
  Dir['*~'].each { |fname| rm fname rescue nil }
end
```

tasks

```
desc "delete backup files"  
task :clean do  
  Dir['*~'].each { |fname| rm fname rescue nil }  
end
```

(optional) task description

```
$ rake -T  
rake clean # delete backup files
```

tasks

```
desc "delete backup files"  
task :clean do  
  Dir['*~'].each { |fname| rm fname rescue nil }  
end
```

task target, a symbol or a quoted string

tasks

```
desc "delete backup files"
task :clean do
  Dir['*~'].each { |fname| rm fname rescue nil }
end
```

task body, code to be executed

task dependencies

```
task :clobber => [:clean] do
  rm_r "tempdir"
end
```

```
$ rake clobber
# running task :clean
...
# running task :clobber
```

task :default

```
task :default => :test
task :test do
  ...
end
```

```
$ rake
# running task :test
```

namespacing

```
namespace :deploy do
  task :test
  ...
end
task :production
...
end
end
```

```
$ rake deploy:production
```

invoking tasks

```
task deploy
  ...
  Rake::Task[:test].invoke
  ...
end
```

using the environment

```
task deploy
  if ENV["TARGET"] == "production"
    ...
  end
end
```

```
$ rake deploy TARGET=production
```

Resources

- <https://github.com/jimweirich/rake>
- <http://rake.rubyforge.org/>