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A make-like build utility for Ruby.

🔗 ruby.github.io/rake

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RAKE – Ruby Make¶ ↑
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home
 github.com/ruby/rake

bugs
 github.com/ruby/rake/issues

docs
 ruby.github.io/rake

Description¶ ↑
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Rake is a Make-like program implemented in Ruby. Tasks and dependencies are specified in standard Ruby syntax.

Rake has the following features:

- Rakefiles (rake's version of Makefiles) are completely defined in standard Ruby syntax. No XML files to edit. No quirky Makefile syntax to worry about (is that a tab or a space?)

- Users can specify tasks with prerequisites.

- Rake supports rule patterns to synthesize implicit tasks.

- Flexible FileLists that act like arrays but know about manipulating file names and paths.

- A library of prepackaged tasks to make building rakefiles easier. For example, tasks for building tarballs. (Formerly tasks for building RDoc, Gems, and publishing to FTP were included in rake but they're now available in RDoc, RubyGems, and rake-contrib respectively.)

- Supports parallel execution of tasks.

Installation¶ ↑

Gem Installation¶ ↑

Download and install rake with the following.

```
gem install rake
```

Usage¶ ↑

Simple Example¶ ↑

First, you must write a "Rakefile" file which contains the build rules. Here's a simple example:

```
task default: %w[test]

task :test do
  ruby "test/unittest.rb"
end
```

This Rakefile has two tasks:

- A task named "test", which – upon invocation – will run a unit test file in Ruby.

- A task named "default". This task does nothing by itself, but it has exactly one dependency, namely the "test" task. Invoking the "default" task will cause Rake to invoke the "test" task as well.

Running the "rake" command without any options will cause it to run the "default" task in the Rakefile:

```
% ls
Rakefile     test/
% rake
(in /home/some_user/Projects/rake)
ruby test/unittest.rb
....unit test output here...
```

Type "rake –help" for all available options.

Resources¶ ↑

Rake Information¶ ↑

- [Rake command-line](#)

- [Writing Rakefiles](#)

- The original [Rake announcement](#)

- Rake [glossary](#)

Presentations and Articles about Rake¶ ↑

≡ README.rdoc

   i. ~~Rake Basics~~

   ii. [Rake File Lists](#)

  iii. [Rake Rules](#)

   iv. [Rake Pathmap](#)

    v. [File Operations](#)

   vi. [Clean and Clobber](#)

  vii. [MultiTask](#)

- [Jim Weirich's 2003 RubyConf presentation](#)

- Martin Fowler's article on Rake: [martinfowler.com/articles/rake.html](#)

Other Make Re-envisionings ⋯¶ ↑

Rake is a late entry in the make replacement field. Here are links to other projects
with similar (and not so similar) goals.

- [directory.fsf.org/wiki/Bras](#) – Bras, one of earliest implementations of "make in a
  scripting language".

- www.a-a-p.org – Make in Python

- ant.apache.org – The Ant project

- search.cpan.org/search?query=PerlBuildSystem – The Perl Build System

- www.rubydoc.info/gems/rant/0.5.7/frames – Rant, another Ruby make tool.

Credits¶ ↑

Jim Weirich
  Who originally created Rake.

Ryan Dlugosz
  For the initial conversation that sparked Rake.

Nobuyoshi Nakada <nobu@ruby-lang.org>
  For the initial patch for rule support.

Tilman Sauerbeck <tilman@code-monkey.de>
  For the recursive rule patch.

Eric Hodel
  For aid in maintaining rake.

Hiroshi SHIBATA
  Maintainer of Rake 10 and later

License¶ ↑

Rake is available under an MIT-style license.

:include: MIT-LICENSE

Other stuff¶ ↑

Author
  Jim Weirich <jim.weirich@gmail.com>

Requires
  Ruby 2.0.0 or later

License
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  file included in the distribution.

Warranty¶ ↑

This software is provided "as is" and without any express or implied warranties, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose.

Historical¶ ↑

Rake was originally created by Jim Weirich, who unfortunately passed away in February 2014. This repository was originally hosted at github.com/jimweirich/rake, however with his passing, has been moved to ruby/rake.

You can view Jim's last commit here: github.com/jimweirich/rake/tree/336559f28f55bce418e2ebcc0a57548dcbac4025

You can read more about Jim at Wikipedia.

Thank you for this great tool, Jim. We'll remember you.

Releases 77

⬦ v13.1.0 (Latest)
    on Oct 28

+ 76 releases

Packages

No packages published

Used by 2.6m

+ 2,630,150

Contributors 167

/:|}

+ 153 contributors

Deployments 42

✅ github-pages 2 days ago

+ 41 deployments

Languages

🔴 Ruby 100.0%