RubyGems Ruby package manager

CONCEPTS

gem installs gems machine-wide. For a project, list them in a Gemfile and use bundle (see Bundler) so everyone gets the same versions.

Without write access to the system Ruby, gem install fails with a permissions error. Use --user-install, or a Ruby version manager that keeps gems in your home.

INSTALL

gem install *<gem>*
Install the latest version

gem install *<gem>* **-v "~> 1.2"**
Install a version matching a constraint

gem install *<gem>* **--user-install**
Install into your home directory

gem install *<gem>* **--no-document**
Skip generating docs (much faster)

gem install *<gem>* **--prerelease**
Allow prerelease versions

LIST & SEARCH

gem list
List installed gems

gem list *<regexp>*
Filter installed gems by name

gem search *<regexp>*
Search remote gems by name

gem info *<gem>*
Version, license, homepage, install path

UPDATE & REMOVE

gem outdated
List gems with newer versions

gem update
Update all installed gems

gem update *<gem>*
Update one gem

UPDATE & REMOVE (cont.)

gem update --system
Update RubyGems itself

gem uninstall *<gem>*
Remove a gem

gem uninstall *<gem>* **-v** *<version>*
Remove one version

gem cleanup
Remove old versions of gems

SOURCES

gem sources
Show configured sources

gem sources -a *<url>*
Add a source

BUILD & PUBLISH

gem build *<name>*.gemspec
Package a gem into a .gem file

gem signin
Sign in and store an API key

gem push *<name>*-*<version>*.gem
Upload a gem to rubygems.org

ENVIRONMENT

gem env
Show RubyGems configuration

gem env home
Where gems are installed

gem --version
Print the RubyGems version

gem help *<command>*
Help for one command

Version constraints (-v)

Constraint	Meaning
`"1.2.3"`	exactly 1.2.3
`"⩾ 1.2"`	1.2 or newer
`"~> 1.2"`	1.2 up to below 2.0
`"~> 1.2.3"`	1.2.3 up to below 1.3
`"< 2"`	anything below 2