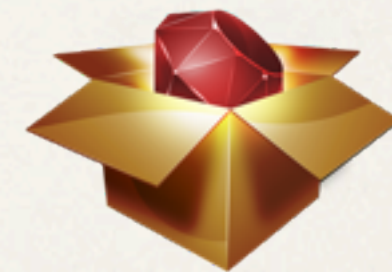




**Ruby**  
*A Programmer's Best Friend*

# RubyGems - Ruby Paketverwaltung



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06.06.12



# RubyGems

The screenshot shows the top section of the RubyGems.org website. The header is a dark red bar with the RubyGems.org logo and tagline 'your community gem host' on the left. On the right, there is a user profile for 'andreas\_neumann' with a small avatar, and three buttons: 'all gems', 'dashboard', and 'sign out'. Below the header, a dark brown banner displays '673,519,669 downloads of 39,757 gems cut since July 2009' on the left and a welcome message 'Welcome to your community RubyGem host. Find your gems easier, publish them faster, and have fun doing it.' on the right. A search bar with the placeholder 'Search gems...' is also visible.

**RubyGems.org**  
your community gem host

andreas\_neumann all gems dashboard sign out

Search gems...

**673,519,669 downloads**  
of 39,757 gems cut since July 2009

Welcome to your community RubyGem host.  
Find your gems easier, publish them faster, and have fun doing it.



- ❖ <https://rubygems.org/>
- ❖ ~ 40.000 Module verfügbar



# Das Kommandozeilenwerkzeug gem

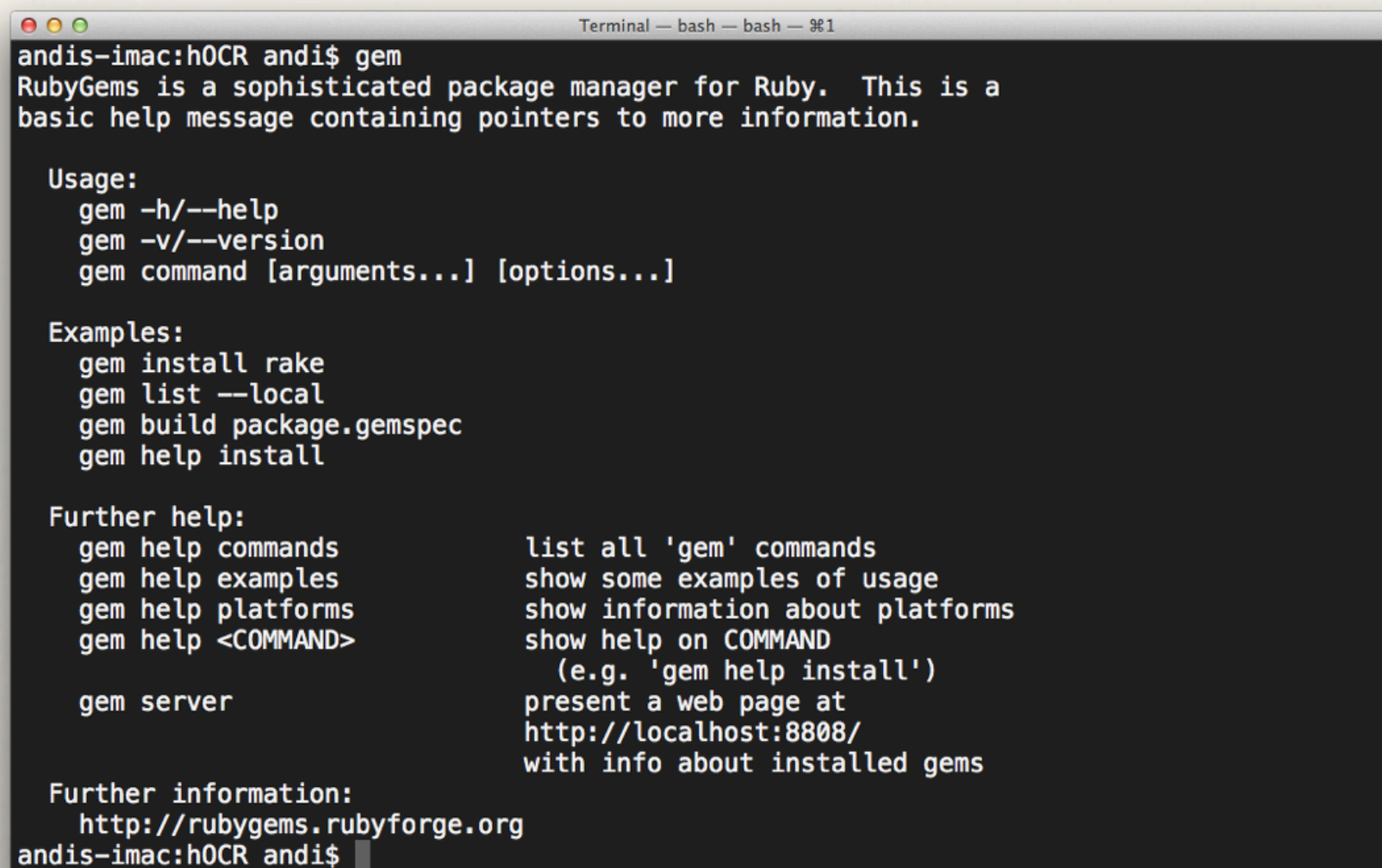
---

- ❖ Gehört zum Standardumfang jeder MRI-Ruby-Installation
- ❖ Zugriff auf ~40. 000 Module
- ❖ Suche, Installation und Deinstallation von Modulen

# gem - Benutzen

---

\$ gem

A terminal window titled "Terminal — bash — bash — %1" showing the output of the command "gem". The output provides a basic help message for RubyGems, including usage instructions, examples, and further help options.

```
andis-imac:hOCR andi$ gem
RubyGems is a sophisticated package manager for Ruby. This is a
basic help message containing pointers to more information.

Usage:
  gem -h/--help
  gem -v/--version
  gem command [arguments...] [options...]

Examples:
  gem install rake
  gem list --local
  gem build package.gemspec
  gem help install

Further help:
  gem help commands      list all 'gem' commands
  gem help examples      show some examples of usage
  gem help platforms     show information about platforms
  gem help <COMMAND>     show help on COMMAND
                        (e.g. 'gem help install')
  gem server             present a web page at
                        http://localhost:8808/
                        with info about installed gems

Further information:
  http://rubygems.rubyforge.org
andis-imac:hOCR andi$
```



# Lokale Module

---

```
$ gem list --local
```

```
andis-imac:hOCR andi$ gem list --local

*** LOCAL GEMS ***

abstract (1.0.0)
actionmailer (3.2.1, 3.2.0, 3.0.9, 3.0.5)
actionpack (3.2.1, 3.2.0, 3.0.9, 3.0.5)
activemodel (3.2.1, 3.2.0, 3.1.1, 3.0.9, 3.0.5)
activerecord (3.2.1, 3.2.0, 3.0.9, 3.0.5)
activeresource (3.2.1, 3.2.0, 3.0.9, 3.0.5)
activesupport (3.2.1, 3.2.0, 3.1.1, 3.0.9, 3.0.5)
ai4r (1.9)
akami (1.0.0)
allison (2.0.3)
arel (3.0.2, 3.0.0, 2.2.1, 2.0.10, 2.0.9)
```



# Module Suchen

---

```
$ gem search <Suchstring> --remote
```

```
andis-imac:~ andi$ gem search levenshtein --remote

*** REMOTE GEMS ***

damerau-levenshtein (0.5.4)
dynarex-levenshtein (0.1.5)
hintable_levenshtein (0.0.3)
levenshtein (0.2.2)
levenshtein-19 (0.3.0)
levenshtein-extended (0.0.1)
levenshtein-ffi (1.0.2)
levenshtein19 (0.2.0)
levenshteinish (0.0.3)
```



# Module installieren

---

```
$ gem install <gem_name>
```

```
AN-iT-MacBookAir:~ andi$ gem install levenshtein
Fetching: levenshtein-0.2.2.gem (100%)
Building native extensions. This could take a while...
Successfully installed levenshtein-0.2.2
1 gem installed
Installing ri documentation for levenshtein-0.2.2...
Installing RDoc documentation for levenshtein-0.2.2...
AN-iT-MacBookAir:~ andi$ █
```



# Module deinstallieren

---

```
$ gem uninstall <gem_name>
```

```
AN-iT-MacBookAir:~ andi$ gem uninstall levenshtein  
Successfully uninstalled levenshtein-0.2.2  
AN-iT-MacBookAir:~ andi$ █
```



# Mehr über Module Erfahren

---

- ❖ rdoc
- ❖ gem server



# gem server

```
$ gem server
```

```
AN-iT-MacBookAir:~ andi$ gem server
Server started at http://[::ffff:0.0.0.0]:8808
Server started at http://0.0.0.0:8808
```

## RubyGems Documentation Index

Filter/Search

## Summary

There are 167 gems installed:

[abstract](#), [actionmailer](#), [actionmailer](#), [actionmailer](#), [actionmailer](#), [actionmailer](#), [actionpack](#), [actionpack](#), [actionpack](#), [actionpack](#), [activemodel](#), [activemodel](#), [activemodel](#), [activemodel](#), [activemodel](#), [activerecord](#), [activerecord](#), [activerecord](#), [activerecord](#), [activerecord](#), [activeresource](#), [activeresource](#), [activeresource](#), [activeresource](#), [activeresource](#), [activesupport](#), [activesupport](#), [activesupport](#), [activesupport](#), [addressable](#), [akami](#), [allison](#), [arel](#), [arel](#), [arel](#), [arel](#), [Ascii85](#), [bcrypt-ruby](#), [builder](#), [builder](#), [bundle](#), [bundle](#), [coderay](#), [coderay](#), [coffee-rails](#), [coffee-script](#), [coffee-script-source](#), [diff-lcs](#), [diff-lcs](#), [echoe](#), [erubis](#), [erubis](#), [execjs](#), [gemcutter](#), [googlecharts](#), [gruff](#), [gyoku](#), [haml](#), [haml](#), [haml-rails](#), [heroku](#), [hike](#), [hpricot](#), [httpi](#), [i18n](#), [i18n](#), [image\\_size](#), [journey](#), [journey](#), [jquery-rails](#), [json](#), [json](#), [json](#), [json\\_pure](#), [launchy](#), [libv8](#), [mail](#), [mail](#), [mail](#), [mime-types](#), [mime-types](#), [multi\\_json](#), [multi\\_json](#), [nokogiri](#), [nokogiri](#), [nori](#), [pdf-reader](#), [polyglot](#), [polyglot](#), [rack](#), [rack](#), [rack](#), [rack](#), [rack-cache](#), [rack-cache](#), [rack-mount](#), [rack-mount](#), [rack-mount](#), [rack-protection](#), [rack-ssl](#), [rack-test](#), [rack-test](#), [rails](#), [rails](#), [rails](#), [rails](#), [railties](#), [railties](#), [railties](#), [railties](#), [railties](#), [rake](#), [rake](#), [rake](#), [rcoins](#), [rdoc](#), [rdoc](#), [rest-client](#), [rhocr](#), [rhocr](#), [rmagick](#), [rspec](#), [rspec](#), [rspec](#), [rspec-core](#), [rspec-core](#), [rspec-core](#), [rspec-expectations](#), [rspec-expectations](#), [rspec-expectations](#), [rspec-mocks](#), [rspec-mocks](#), [rspec-mocks](#), [rspec-rails](#), [rspec-rails](#), [ruby-rc4](#), [rubyforge](#), [rubygems](#), [rubyzip](#), [rvm](#), [sass](#), [sass](#), [sass-rails](#), [savon](#), [serviceproxy](#), [sinatra](#), [sprockets](#), [sprockets](#), [sqlite3](#), [sqlite3](#), [term-ansicolor](#), [therubyracer](#), [thor](#), [tilt](#), [treetop](#), [treetop](#), [tzinfo](#), [tzinfo](#), [tzinfo](#), [uglifier](#), [wasabi](#), [webrat](#), [wirable](#).

## Gems

**abstract 1.0.0** [rdoc] [www]

a library which enable you to define abstract method in Ruby

**actionmailer 3.0.5** [rdoc] [www] - depends on [actionpack](#), [mail](#).



Email composition, delivery, and receiving framework (part of Rails).



# gem server - Documentation

[Home](#) [Classes](#) [Methods](#)

Defined In

 lib/levenshtein/version.rb  
 lib/levenshtein.rb

Methods

[::distance](#)  
[::normalized\\_distance](#)

Pages

[CHANGELOG](#)  
[LICENSE](#)  
[README](#)  
[VERSION](#)

Class and Module Index

[Levenshtein](#)


[Validate]  
Generated by [RDoc 3.12](#).  
Generated with the [Darkfish Rdoc Generator 3](#).

## module Levenshtein

### Constants

[VERSION](#)


### Public Class Methods

 **distance(a1, a2, threshold=nil, options={})**

Returns the [Levenshtein](#) distance between two sequences.

The two sequences can be two strings, two arrays, or two other objects responding to :each. All sequences are by generic (fast) C code.

All objects in the sequences should respond to :hash and :eq?.

 **normalized\_distance(a1, a2, threshold=nil, options={})**

Returns the [Levenshtein](#) distance as a number between 0.0 and 1.0. It's basically the [Levenshtein](#) distance divided by the size of the longest sequence.



# Module einbinden

---

- ❖ einbinden mit **require "ModuleName"**

```
#coding: utf-8  
require "levenshtein"  
  
p Levenshtein.distance("Weißbier", "Beispiel")
```

```
AN-iT-MacBookAir:TenMinutesOfRuby andi$ ruby levenshtein.rb  
4  
AN-iT-MacBookAir:TenMinutesOfRuby andi$ █
```