ruby-build(1) Manual Page

Name

ruby-build - Download, compile, and install a version of Ruby

Synopsis

ruby-build [-kpv] *<definition> <prefix>* [-- *<configure-args>*···]
ruby-build {--list|--definitions}
ruby-build --version

Description

ruby-build downloads, compiles, and installs a Ruby version named by the
definition argument into the location specified by *prefix*.

The *definition* argument can be a path to a file on disk, in which case it is
sourced into ruby-build as a bash script.

Optionally, extra Ruby *configure-args* may be listed after "--" and will get
forwarded to the ./configure invocation.

By default, all compile output is redirected to a log file at $TMPDIR/ruby-
build.*.log. Activate the verbose mode to skip the log file and print everything
to standard streams.

Options

-l, --list

   List latest stable releases for each Ruby

--definitions

   List all local definitions, including outdated ones

--version

   Show version of ruby-build

-v, --verbose

   Verbose mode: forward all build output to stdout/stderr

-p, --patch

   Apply a patch from stdin before building

-k, --keep

> Do not remove source tree after installation

-4, --ipv4

> Resolve names to IPv4 addresses only

-6, --ipv6

> Resolve names to IPv6 addresses only

Examples

Install Ruby version 3.2.2 under /opt/rubies while tweaking some configuration options:

> $ ruby-build 3.2.2 /opt/rubies/ruby-3.2.2 -- --disable-install-doc --with-openssl-dir=/opt/openssl

Usage as rbenv plugin:

> $ rbenv install 3.2.2

Environment Variables

TMPDIR

> The location to write temporary files on disk

RUBY_BUILD_BUILD_PATH (default: a timestamped subdirectory of *TMPDIR*)

> The build location for downloading source files to and compiling

RUBY_BUILD_CACHE_PATH (default: "~/.rbenv/cache" if invoked as rbenv plugin)

> Where to cache downloaded package files

RUBY_BUILD_HTTP_CLIENT (default: first tool found in PATH)

> One of "aria2c", "curl", or "wget" to use for downloading

RUBY_BUILD_ARIA2_OPTS

> Additional options to pass to aria2c for downloading

RUBY_BUILD_CURL_OPTS

> Additional options to pass to curl for downloading

RUBY_BUILD_WGET_OPTS

> Additional options to pass to wget for downloading

RUBY_BUILD_MIRROR_URL (default: a sponsored Amazon CloudFront mirror)

Custom mirror URL root to download packages from

RUBY_BUILD_MIRROR_PACKAGE_URL

Custom complete mirror URL

RUBY_BUILD_SKIP_MIRROR

Bypass the download mirror and fetch all package files from their original URLs

RUBY_BUILD_ROOT (default: "share/ruby-build" within ruby-build install location)

Custom build definition directory

RUBY_BUILD_TARBALL_OVERRIDE

Override the URL to fetch the ruby tarball from, optionally followed by "#<checksum>"

RUBY_BUILD_DEFINITIONS

Paths to search for build definitions in addition to *RUBY_BUILD_ROOT*

CC

Path to the C compiler

RUBY_CFLAGS

Additional CFLAGS options to use for Ruby compilation

CONFIGURE_OPTS

Additional "./configure" arguments

MAKE (default: "make")

Custom make command (e.g., "gmake")

MAKE_OPTS, **MAKEOPTS**

Additional arguments for "make"

MAKE_INSTALL_OPTS

Additional arguments for "make install"

RUBY_CONFIGURE_OPTS

Additional "./configure" arguments that apply only to Ruby source

RUBY_MAKE_OPTS

Additional make arguments that apply only to Ruby source

RUBY_MAKE_INSTALL_OPTS

Additional "make install" arguments that apply only to Ruby source

NO_COLOR (default: allow colors when connected to terminal)

Disable ANSI colors in output

CLICOLOR_FORCE

Use ANSI colors in output even when not connected to a terminal

Notes

- https://github.com/rbenv/ruby-build#readme

- https://github.com/rbenv/ruby-build/wiki

- https://github.com/rbenv/ruby-build/discussions

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