

# Package: rgeowheels (via r-universe)

December 19, 2024

**Type** Package

**Title** Convenient Access to 'Python' 'Wheel' Packages Prepared for 'Windows'

**Version** 0.0.5

**Author** Andrew G. Brown

**Maintainer** Andrew G. Brown <brown.andrew@gmail.com>

**Description** Downloads pre-compiled 'Windows' 'wheel' files (.whl) for 'Python' geospatial packages from <<https://github.com/cgohlke/geospatial-wheels>>. These are unofficial binary installers for some geospatial libraries prepared by Christoph Gohlke. Wheels for various packages, 'Python' versions, and architectures are made available via 'GitHub' releases, providing the ability to revert to prior versions when needed.

**Imports** tools, utils, jsonlite

**Suggests** tinytest

**Encoding** UTF-8

**Language** en-US

**License** CC0

**URL** <https://github.com/brownag/rgeowheels>,  
<https://humus.rocks/rgeowheels/>

**BugReports** <https://github.com/brownag/rgeowheels/issues>

**LazyData** true

**RoxygenNote** 7.3.1

**Roxygen** list(markdown = TRUE)

**Repository** <https://brownag.r-universe.dev>

**RemoteUrl** <https://github.com/brownag/rgeowheels>

**RemoteRef** HEAD

**RemoteSha** d2508ec452139f007dafbd5f02757db02842d40a

## Contents

install_wheel . . . . .	2
list_rgeowheels_assets . . . . .	3
set_rgeowheels_python . . . . .	3

<b>Index</b>	<b>4</b>
--------------	----------

---

install_wheel	<i>Install Python Wheels From 'geospatial-wheels' Repository</i>
---------------	--

---

### Description

Used to download and install the latest versions of wheels available from <https://github.com/cgohlke/geospatial-wheels>.

### Usage

```
install_wheel(
    package,
    version = "latest",
    pyversion = "latest",
    architecture = "win_amd64",
    python = get_rgeowheels_python(),
    destdir = tempdir(),
    url_only = FALSE,
    download_only = FALSE
)
```

### Arguments

package	Python package name to install. e.g. "rasterio"
version	Python package version to install. Default "latest" determines latest version available from asset list (considers pyversion if set).
pyversion	Python version to install package for. Default "latest" determines latest version available from asset list.
architecture	Python package version to install. Default "win_amd64", alternatives include "win_arm64" and "win32".
python	Path to Python executable to use for install. Default: get_rgeowheels_python()
destdir	Destination directory for downloaded wheel file. Default: tempdir()
url_only	Return the URL of the .whl file without downloading? Default: FALSE
download_only	Download .whl file without attempting install? Default: FALSE

### Value

Called for side effects (download and install a Python wheel). Returns *character* containing path to .whl file when url\_only=TRUE or download\_only=TRUE.

---

`list_rgeowheels_assets`*List assets available from "geospatial-wheels" repository*

---

**Description**

List assets available from "geospatial-wheels" repository

**Usage**

```
list_rgeowheels_assets(release = NULL, update_cache = FALSE)
```

**Arguments**

`release` Specify custom release to list assets for. Default: NULL  
`update_cache` Force update of wheel download index? Default: FALSE

**Value**

A *data.frame* containing package, version, pyversion, architecture and other metadata about each asset in a release.

---

`set_rgeowheels_python` *Get or Set Python Path*

---

**Description**

Set the path the Python binary used to run installation commands. May be a system or virtual/conda environment.

**Usage**

```
set_rgeowheels_python(x)
```

```
get_rgeowheels_python()
```

**Arguments**

`x` Path to python or python3 binary.

**Value**

*character* Value of option "rgeowheels.python", or, if set, the value of the system environment variable "R\_RGEOWHEELS\_PYTHON". If neither are set, then the result of `Sys.which("python")` (or `Sys.which("python3")` if the former fails).

# Index

`get_rgeowheels_python`  
    (`set_rgeowheels_python`), 3

`install_wheel`, 2

`list_rgeowheels_assets`, 3

`set_rgeowheels_python`, 3