

# Package: s3 (via r-universe)

September 4, 2024

**Title** Download Files from 'AWS S3'

**Version** 1.1.0

**Description** Download files hosted on 'AWS S3' (Amazon Web Services Simple Storage Service; <<https://aws.amazon.com/s3/>>) to a local directory based on their URI. Avoid downloading files that are already present locally. Allow for customization of where to store downloaded files.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.3.2

**Imports** cli, prettyunits, fs, rlang, httr, glue, purrr (>= 0.3.4), dplyr,

**Suggests** aws.signature, testthat, digest, withr

**URL** <https://github.com/brokamp-group/s3>

**BugReports** <https://github.com/brokamp-group/s3/issues>

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

**RemoteUrl** <https://github.com/geomarker-io/s3>

**RemoteRef** HEAD

**RemoteSha** 7e9d78f6cac5efbeb223997e3383407ee80c67d6

## Contents

s3_get . . . . .	2
s3_get_files . . . . .	3
<b>Index</b>	<b>4</b>

---

s3_get	<i>download s3 file</i>
--------	-------------------------

---

### Description

Files are downloaded to the R user data directory (i.e., `tools::R_user_dir("s3", "data")`) so they can be cached across all of an R user's sessions and projects. Specify an alternative download location by setting the `R_USER_DATA_DIR` environment variable (see `?tools::R_user_dir`) or by using the `data_dir` argument.

### Usage

```
s3_get(
  s3_uri,
  region = "us-east-2",
  quiet = FALSE,
  progress = FALSE,
  force = FALSE,
  public = FALSE,
  data_dir = tools::R_user_dir("s3", "data")
)
```

### Arguments

<code>s3_uri</code>	URI for an S3 object
<code>region</code>	AWS region for bucket containing the file (defaults to "us-east-2", but only required for private files)
<code>quiet</code>	suppress messages?
<code>progress</code>	show download progress? (currently only for public objects)
<code>force</code>	force download to overwrite existing S3 object
<code>public</code>	defaults to FALSE; if TRUE, ignore any environment variables specifying AWS credentials and attempt to download the file as publicly available
<code>data_dir</code>	root directory for downloaded files (defaults to <code>tools::R_user_dir("s3", "data")</code> )

### Value

a character string that is the file path to the downloaded file (invisibly)

### Examples

```
Sys.setenv("R_USER_DATA_DIR" = tempdir())
the_file <- s3_get(s3_uri = "s3://geomarker/testing_downloads/mtcars.rds")
s3_get("s3://geomarker/testing_downloads/mtcars.rds") |>
  readRDS()
unlink(the_file)
```

---

s3_get_files	<i>download several s3 files</i>
--------------	----------------------------------

---

### Description

Progress messages for downloading several S3 objects at once cannot be silenced. Like `s3_get`, S3 objects that have already been downloaded will not be re downloaded

### Usage

```
s3_get_files(
  s3_uri,
  region = "us-east-2",
  progress = FALSE,
  force = FALSE,
  confirm = TRUE,
  public = FALSE,
  data_dir = tools::R_user_dir("s3", "data")
)
```

### Arguments

<code>s3_uri</code>	vector of S3 object URIs
<code>region</code>	AWS region for bucket containing the file (defaults to "us-east-2", but only required for private files)
<code>progress</code>	show download progress for each individual file? (currently only for public objects)
<code>force</code>	force download to overwrite existing S3 objects
<code>confirm</code>	ask user to interactively confirm downloads? (only possible when session is interactive)
<code>public</code>	defaults to FALSE; if TRUE, ignore any environment variables specifying AWS credentials and attempt to download the file as publicly available
<code>data_dir</code>	root directory for downloaded files (defaults to <code>tools::R_user_dir("s3", "data")</code> )

### Value

`data.frame` (or `tibble`) with `s3_uris` and corresponding file paths to downloaded files (invisibly)

### Examples

```
Sys.setenv("R_USER_DATA_DIR" = tempdir())
the_files <- s3_get_files(c(
  "s3://geomarker/testing_downloads/mtcars.rds",
  "s3://geomarker/testing_downloads/mtcars.fst"
))
unlink(the_files$file_path)
```

# Index

s3\_get, 2  
s3\_get\_files, 3