

# Package ‘tzdb’

July 22, 2025

**Title** Time Zone Database Information

**Version** 0.5.0

**Description** Provides an up-to-date copy of the Internet Assigned Numbers Authority (IANA) Time Zone Database. It is updated periodically to reflect changes made by political bodies to time zone boundaries, UTC offsets, and daylight saving time rules. Additionally, this package provides a C++ interface for working with the 'date' library. 'date' provides comprehensive support for working with dates and date-times, which this package exposes to make it easier for other R packages to utilize. Headers are provided for calendar specific calculations, along with a limited interface for time zone manipulations.

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**URL** <https://tzdb.r-lib.org>, <https://github.com/r-lib/tzdb>

**BugReports** <https://github.com/r-lib/tzdb/issues>

**Depends** R (>= 4.0.0)

**Suggests** covr, testthat (>= 3.0.0)

**LinkingTo** cpp11 (>= 0.5.2)

**Biarch** yes

**Config/Needs/website** tidyverse/tidytemplate

**Config/testthat/edition** 3

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**NeedsCompilation** yes

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**Repository** CRAN

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tzdb_initialize	<i>Initialize tzdb for usage in other packages</i>
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Description

tzdb\_initialize() is intended to be called from a client package’s .onLoad() as tzdb::tzdb\_initialize() to ensure that the tzdb package has been loaded.

The function itself doesn’t do anything. It is instead called for the side-effect of loading the tzdb package. This does two things:

- The tzdb .onLoad() hook is run, which sets the path to the time zone database.
- The callables in tzdb are registered, which allows them to be called from other packages.

Usage

```
tzdb_initialize()
```

Details

There are alternative ways to ensure that tzdb is loaded. A client package can alternatively import a function from tzdb into its package with the @importFrom tag, or can call requireNamespace("tzdb", quiet = TRUE) from its .onLoad().

Value

NULL, invisibly.

Examples

```
tzdb_initialize()
```

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tzdb_names	<i>Time zone database names</i>
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**Description**

tzdb\_names() returns the time zone names found in the database.

**Usage**

```
tzdb_names()
```

**Value**

A character vector of zone names.

**Examples**

```
tzdb_names()
```

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tzdb_path	<i>Retrieve the path to the time zone database</i>
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**Description**

Retrieve the path to the time zone database

**Usage**

```
tzdb_path(type)
```

**Arguments**

type	[character(1)] The type of time zone database to return the path for. Currently only "text" is supported.
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**Value**

A single string containing the path to the database.

**Examples**

```
tzdb_path("text")
```

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tzdb_version	<i>Time zone database version</i>
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**Description**

tzdb\_version() returns the version of the time zone database currently in use.

**Usage**

```
tzdb_version()
```

**Value**

A single string of the database version.

**Examples**

```
tzdb_version()
```

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