# Package: tzdb (via r-universe)

June 7, 2024

**Title** Time Zone Database Information

**Version** 0.4.0

**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 (>= 3.5.0)

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

**LinkingTo** cpp11 (>= 0.4.2)

**Biarch** yes

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

**Config/testthat/edition** 3

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**Repository** https://r-lib.r-universe.dev

**RemoteUrl** https://github.com/r-lib/tzdb

**RemoteRef** HEAD

**RemoteSha** 55694c9d0e50d3eae697c868b63ad93770001111

## Contents

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  tzdb_initialize            *Initialize tzdb for usage in other packages*

---

#### 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()
```

---

tzdb_names                    *Time zone database names*

---

### 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()
```

---

tzdb_path                    *Retrieve the path to the time zone database*

---

### 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.

### Value

A single string containing the path to the database.

### Examples

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

---

tzdb_version                    *Time zone database version*

---

### 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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