Package: ConfigINI (via r-universe)

January 2, 2025

Type Package

Title A Fast INI File Parser

Version 0.1

Description Provides a simple yet efficient parser for INI
configuration files, converting them into structured list
formats for easy manipulation and access within R. The
structured list can seamlessly be written back to an INI
configuration file, ensuring smooth round-trip data handling.

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Imports Rcpp (>= 1.0.13)

LinkingTo Rcpp

RoxygenNote 7.3.2

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Collate 'RcppExports.R' 'read_ini.R'

Repository https://dyfanjones.r-universe.dev

RemoteUrl https://github.com/DyfanJones/ConfigINI

RemoteRef HEAD

RemoteSha 4d56a16ac3a36515203502f10c7a7d25dc6ceffb

Contents

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read_ini   *Read and Parse INI File*

Description

This function reads and parses an INI file, returning its contents as a list of profiles.

Usage

```
read_ini(file_name)
```

Arguments

file_name   A character string specifying the path to the INI file.

Value

A list where each element represents a profile in the INI file. Each profile is a named list of key-value pairs. If the INI file is empty, an empty list is returned.

Examples

```
## Not run:
# Example usage
ini_content <- read_ini("path/to/config.ini")
print(ini_content)

## End(Not run)
```

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write_ini   *Write Configuration Data to an INI File*

Description

This function converts an R list structure into an INI file format and writes it to a specified file.

Usage

```
write_ini(config_list, filename)
```

Arguments

config_list   A named list where each element is itself a named list representing sections and
                    key-value pairs of the configuration data.

filename   A string specifying the path to the output INI file.

Details

The 'config_list' parameter should be a named list where each top-level name represents a section in the INI file. Each section should be a named list where the names are the keys and the values are the corresponding values in the INI file. Numeric values are converted to strings before being written to the file.

If the 'config_list' is empty, an empty INI file will be created.

Value

This function does not return a value. It writes the INI file to the specified path.

Examples

```
config <- list(
  section1 = list(
    key1 = "value1",
    key2 = 123
  ),
  section2 = list(
    keyA = "valueA",
    keyB = "valueB"
  )
)
ini_file <- tempfile()
write_ini(config, ini_file)
unlink(ini_file)
```

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