

Package: qmra.db (via r-universe)

September 12, 2024

Title Database Backend for Quantitative Microbiological Risk Assessment (QMRA) within AquaNES project

Version 0.10.0

Description This package contains a MS ACCESS database with data required for performing Quantitative Microbiological Risk Assessment (QMRA). In addition it provides also R functions for exporting these data into .csv files or a single ZIP file (together with the MS Access database).

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URL <https://github.com/KWB-R/qmra.db>

BugReports <https://github.com/KWB-R/qmra.db/issues>

Imports dplyr, fs, kwb.db, kwb.utils, readr, rlang, stringr, withr, zip, magrittr

Suggests covr, knitr, rmarkdown

VignetteBuilder knitr

Remotes github::kwb-r/kwb.db, github::kwb-r/kwb.utils

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

Repository <https://kwb-r.r-universe.dev>

RemoteUrl <https://github.com/KWB-R/qmra.db>

RemoteRef HEAD

RemoteSha 5a3d9bdd7bcc0f4d79b6d937e1cf85a0ba2129c5

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create_zipfile	<i>Create Zip File with MS ACCESS Database And Exported CSV files</i>
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Description

Create Zip File with MS ACCESS Database And Exported CSV files

Usage

```
create_zipfile(db_path, target_dir = dirname(db_path), dbg = TRUE)
```

Arguments

db_path	path to MS Access DB (default: default_access_db())
target_dir	directory. By default a new zip file is created in the same directory as mdb resides in. The new directory has the same name as the database file but with file extension ".zip" (default: dirname(db_path))
dbg	debug information (default: TRUE)

default_access_db	<i>Default Path to MS ACCESS Database</i>
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Description

Default Path to MS ACCESS Database

Usage

```
default_access_db()
```

Value

path to MS ACCESS DB

Examples

```
default_access_db()
```

default_csv_dir *Helper Function: Default Csv Directory*

Description

Helper Function: Default Csv Directory

Usage

```
default_csv_dir(db_path)
```

Arguments

db_path path to MS Access DB (default: default_access_db())

Value

csv directory but with all "." replaced with with "_" (e.g. "qmra-db_accdb" instead of "qmra-db.accdb")

Examples

```
db_path <- default_access_db()
default_csv_dir(db_path)
```

default_target_dir *Helper Function: Default Target Directory*

Description

Helper Function: Default Target Directory

Usage

```
default_target_dir(db_path, csv_dir = default_csv_dir(db_path))
```

Arguments

db_path path to MS Access DB (default: default_access_db())
csv_dir csv directory (default: default_csv_dir())

Value

subdirectory in MS ACCESS DB directory but with all "." replaced with with "_" (e.g. "qmra-db_accdb" instead of "qmra-db.accdb")

Examples

```
db_path <- default_access_db()
default_target_dir(db_path)
```

dump_access_db	<i>Dump MS ACCESS Database To Csv Files</i>
----------------	---

Description

for exporting tables and queries from MS ACCESS DB into .csv files (one for each table/query) into subfolder "qmra-db_accdb"

Usage

```
dump_access_db(db_path = default_access_db(),
  target_dir = default_target_dir(db_path), dbg = TRUE, ...)
```

Arguments

db_path	path to MS Access DB (default: default_access_db())
target_dir	directory. By default a new directory is created in the same directory as mdb resides in. The new directory has the same name as the database file with dots substituted with underscores (default: default_target_dir())
dbg	debug information (default: TRUE)
...	additional arguments passed to kwb.db::dumpDatabase()

import_database_content	<i>Import Database Content From CSV Files</i>
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Description

Import Database Content From CSV Files

Usage

```
import_database_content(csv_dir = system.file("database/qmra-db_accdb",
  package = "qmra.db"), encoding = "WINDOWS-1252")
```

Arguments

csv_dir	path to csv directory with database output (default: system.file("database/qmra-db_accdb", package = "qmra.db"))
encoding	encoding of csv files (default: "WINDOWS-1252")

Value

list with multiple data.frames with database content

Examples

```
## Not run:  
db_content <- import_database_content()  
str(db_content, 1)  
  
## End(Not run)
```

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