

Package ‘rdaisi’

October 14, 2022

Type Package

Title R Client for the Daisi Microservice Platform

Description Connect, execute, and parse results from the Daisi Microservice Platform <<https://www.daisi.io/>>. The rdaisi client includes a set of functionality that allows remote execution of microservices directly from R. Daisis allow R users to access a wide variety of Python functionality and interact with them natively.

Version 0.1.3

License Apache License (>= 2)

URL <https://www.daisi.io/>

Encoding UTF-8

RoxygenNote 7.2.0

Imports reticulate, httr

NeedsCompilation no

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configure_daisi	<i>Set the necessary environment variables to configure the Daisi client</i>
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Description

Set the necessary environment variables to configure the Daisi client

Usage

```
configure_daisi(python_path = NULL, daisi_instance = "app")
```

Arguments

python_path The path to the python binary on your system
daisi_instance The Daisi instance to connect to

Value

TRUE if successful update has occurred

Examples

```
## Not run:
configure_daisi(python_path = "/usr/local/bin/python3", daisi_instance = "app")

## End(Not run)
```

Daisi	<i>Initialize and connect to the given Daisi</i>
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Description

Initialize and connect to the given Daisi

Usage

```
Daisi(daisi_id, base_url = NULL)
```

Arguments

daisi_id The name or UUID of the daisi
base_url The platform on which to access the daisi

Value

daisi object with daisi information

Examples

```
## Not run:
configure_daisi()

d <- Daisi("Add Two Numbers")
d

## End(Not run)
```

DaisiExecution*Generate a new execution of a given Daisi*

Description

Generate a new execution of a given Daisi

Usage

```
DaisiExecution(daisi, endpoint, ...)
```

Arguments

daisi	The Daisi object, initialized with Daisi()
endpoint	The endpoint of the Daisi to call
...	Arguments passed onto the underlying Daisi

Value

DaisiExecution object with the Execution parameters

Examples

```
## Not run:
configure_daisi()

d <- Daisi("Add Two Numbers")

de <- DaisiExecution(d, list(firstNumber = 5, secondNumber = 6))

Sys.sleep(1)

de$value()

## End(Not run)
```

DaisiMapExecution *Generate a new map execution of a given Daisi*

Description

Generate a new map execution of a given Daisi

Usage

```
DaisiMapExecution(daisi, args_list)
```

Arguments

daisi	The Daisi object, initialized with Daisi()
args_list	A list of named lists of arguments to provide to the Daisi

Value

DaisiExecution object with the Execution parameters

Examples

```
## Not run:
configure_daisi()

d <- Daisi("Add Two Numbers")

bulk_options <- lapply(1:10, function(x) {
  list(firstNumber = x, secondNumber = 5)
})

deb <- DaisiMapExecution(d, bulk_options)
deb

## End(Not run)
```

execute_daisi *Begin execution of the given Daisi*

Description

Begin execution of the given Daisi

Usage

```
execute_daisi(daisi_execution)
```

Arguments

daisi_execution
The DaisiExecution object for which to fetch the result

Value

The ID (in UUID format) of the execution

result_daisi *Get the result of the Daisi Execution*

Description

Get the result of the Daisi Execution

Usage

```
result_daisi(daisi_execution)
```

Arguments

daisi_execution
The DaisiExecution object for which to fetch the result

Value

The object produced by the given Daisi

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