Ruuid

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`Ruuid-class` *Class "Ruuid": A class to manage UUID values*

Description

Class `Ruuid` wraps and handles the UUID values for the user within R.

Objects from the Class

Objects are not intended to be directly created. A user can retrieve a new instantiation of this class with the `getuuid` function.

Slots

`stringRep`: Object of class `"character"` A human readable string representation of the ID

`uuid`: Object of class `"uuidt"` Contains the actual UUID value.

Methods

stringRep Retrieves the string representation of the UUID

uuid Retrieves the `"uuidt"` object

show Outputs the string representation of the UUID

as.character Returns the string representation of the UUID

== Returns true if both arguments are `Ruuid` objects and have the same string representation.

!= Returns true if both arguments are `Ruuid` objects and have different string representations.

Author(s)

R. Gentleman and Jeff Gentry

References

Theodore Ts'o's Universally Unique ID library
`http://web.mit.edu/tytso/www/home.html`

See Also

`getuuid`, `uuidt`

Examples

```
z <- getuuid()
z
class(z)
```

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getuuid *Functions to handle unique IDs*

Description

These functions allow a user to retrieve and transform universally unique ID values. A user can get a new UUID, as well as transform a string representation into a byte representation and vice versa.

Usage

```
getuuid(cur)
```

Arguments

`cur`	If provided, either a UUID string or a `uuidt` object

Details

This package uses Theodore Ts'o's libuuid to generate universally unique ID values. A unique ID value is represented in R by the class `uuidt`, which wraps the byte values. A wrapper object is the most common method of handling these values, `Ruuid` - which also provides for a string representation of the UUID.

If no parameter `cur` is passed into `getuuid`, a new `Ruuid` is generated. If either a string or a `uuidt` object is passed in, then the complementary piece is generated and the resultant `Ruuid` is generated.

Value

getuuid: Returns an object of class `Ruuid`.

Author(s)

R. Gentleman and Jeff Gentry

References

Theodore Ts'o's Universally Unique ID library
`http://web.mit.edu/tytso/www/home.html`

See Also

`Ruuid`, `uuidt`

Examples

```
z <- getuuid()
z
a <- getuuid(as.character(z))
a
q <- getuuid(uuid(z))
q
w <- getuuid()
w
```

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uuidt-class *Class "uuidt": A class to contain UUID values*

Description

Class `uuidt` wraps the actual byte values for a UUID

Objects from the Class

Objects of class `uuidt` are not intended to be created directly by the user. A call to `getuuid` or `str2uuid` will generate such a value.

Slots

`uuid`: Object of class `"character"`: Byte values of the UUID

Methods

uuid Retrieves the byte string of the UUID

show Prints a human readable display of the byte values

Author(s)

R. Gentleman and Jeff Gentry

References

Theodore Ts'o's Universally Unique ID library
`http://web.mit.edu/tytso/www/home.html`

See Also

`getuuid`, `Ruuid`

Examples

```
z <- getuuid()
a <- uuid(z)
a
class(a)
```

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