Ruuid

October 25, 2011

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

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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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