

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](#)

Examples

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

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
```

`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)
```

Index

!=, Ruuid, Ruuid-method
 (*Ruuid-class*), 1

***Topic classes**

 Ruuid-class, 1
 uuidt-class, 3

***Topic utilities**

 getuuid, 2

==, Ruuid, Ruuid-method
 (*Ruuid-class*), 1

as.character, Ruuid-method
 (*Ruuid-class*), 1

getuuid, 1, 2, 3

Ruuid, 2, 3
Ruuid (*Ruuid-class*), 1
Ruuid-class, 1

show, Ruuid-method (*Ruuid-class*), 1
show, uuidt-method (*uuidt-class*), 3
stringRep (*Ruuid-class*), 1
stringRep, Ruuid-method
 (*Ruuid-class*), 1

uuid (*Ruuid-class*), 1
uuid, Ruuid-method (*Ruuid-class*), 1
uuid, uuidt-method (*uuidt-class*), 3
uuidt, 1, 2
uuidt (*uuidt-class*), 3
uuidt-class, 3