

Ruuuid
April 19, 2009

Ruuuid-class Class "Ruuuid": A class to manage UUID values

Description

Class Ruuuid 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 Ruuuid objects and have the same string representation.
!=  Returns true if both arguments are Ruuuid 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

getuuuid, uuidt
getuuid

Examples

```r
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

```r
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
**uuidt-class**

**Examples**

```r
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  

**See Also**

- `getuuid`, `Ruuid`

**Examples**

```r
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