Package 'syskern'

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Title Coding Kernel for R/S Differences

Description Functions to handle some small R/S differences. See ?syskern.Intro for more details

Depends R (>= 2.0.0)

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LazyLoad yes

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R topics documented:

`00.syskern.Intro` *Syskern*

Description

A small set of programs to facilitate programming around S/R differences

Usage

```
library("syskern")
```

Introduction

The purpose of this package is to provide a common set of utilities for some small points where S and R differ, so that other code works in both S and R, and to some extent on different operating systems. Since R now supports different operating systems fairly well the package has been revised to use R function names and syntax. A skeleton of similar programs is provided for use in S (tested only with Splus 3.3 in Unix).

The files in the S/ subdirectory of the package are for use with S (not R) and provide the functions `is.R`, `is.S`, `Sys.getenv`, `Platform`, `Sys.sleep`, `Sys.info`, `Sys.mail`, `system`, `file.copy`, `getwd`, `getOption`. The last of these uses the global variable `.Syskern.options` which is used only to indicate the mailer option. In many cases these functions just call S equivalents, possibly with arguments different from the defaults. The function `require` is defined but does nothing in S.

There are also a few function and variables added which have different definitions in S and R. A number of `is.Sxx` functions are defined to identify versions of S. The variable `.SPAWN` is also set to be used in Splus to identify if "For" loops should be used. (It is sometimes better not to use these even in Splus. `.SPAWN` should be FALSE in R.)

The functions codefile.date.info, `dateParsed` used in the dse bundle are also defined but are being depreciated and should be avoided.

Author(s)

Paul Gilbert

    SPAWN   *Global variable*

Description

Global variable (can be used to control "For loops" in Splus).

Usage

```
.SPAWN <- FALSE
```

Details

Functions coded to use Splus "For loops" can check this global variable to see if they should use them or not.

`Sys.mail`   *Send Mail*

Description

Uses a system mail tool to send a message. Multiple recipients can be specified in any of the addresses by enclosing them in double (`"`) quotes. Please do not use single (`'`) quotes.

The body is a vector of character. Each element of body is written as a line of the message body.

Usage

```
Sys.mail(address= Sys.info()$user, ccaddress = NULL, bccaddress = NULL,
            subject = NULL, body= "no body", method = getOption("mailer"))
```

Arguments

`address`	Recipient's email address. The default is the user name as indicated by `Sys.info()$user`, which will correspond to your own email address on many systems.
`ccaddress`	Optional email address for copies. Use `ccaddress = NULL` for no copies.
`bccaddress`	Optional email address for blind copies. Use `bccaddress = NULL` for no copies.
`subject`	Subject of the email. Please do not use single quotes in the subject!
`method`	Submission method, one of `"mailx"`, `"mail"`, or `"Mail"`.
`body`	A vector of character, one line per element to place in the body of the email.

Details

Currently works only on Unix systems using "mailx", "mail" or "Mail". The mail tool needs to be found on your Unix search path.

Value

TRUE or FALSE indicating success or failure as returned by the operating system. (This does not indicate that the message was received at the address.)

Author(s)

Paul Gilbert

See Also

`link{options}`

Examples

```
## Not run: Sys.mail(address="friends", subject="R", body="R is great")
```

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dateParsed   *Utilities to handle small S/R differences*

Description

Utilities to handle small S/R differences.

Usage

```
dateParsed()
file.date.info(file)
```

Arguments

file   a character string indicating a file name.

Details

Utilities to handle small S/R differences.

Value

misc.

See Also

[is.S](#) [file.copy](#) [Sys.info](#)

Examples

```
dateParsed()
```

---

is.S   *S/R Version Information*

Description

Determine the S/R version.

Usage

```
is.S()
is.Splus()
is.Svanilla()
is.Splus.pre3.3()
```

Arguments

None

Details

If the S/R version is the one in question then TRUE is returned, otherwise FALSE.

Value

TRUE or FALSE

See Also

[is.R](is.R)

Examples

```
is.R()
```

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