Package ‘netstat’

October 13, 2022

Type Package

Title Retrieve Network Statistics Including Available TCP Ports

Version 0.1.2

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BugReports https://github.com/stevecondylios/netstat/issues

URL https://github.com/stevecondylios/netstat


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Encoding UTF-8

RoxygenNote 7.1.2

Imports utils

Language en-US

NeedsCompilation no

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Repository CRAN

Date/Publication 2022-08-28 04:20:02 UTC
free_port

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Description

Retrieve a Transmission Control Protocol (TCP) port that is not currently in use

Usage

free_port(random)

Arguments

random Boolean value that defaults to FALSE

Value

An integer vector of length one

Examples

## Not run:
free_port()
free_port(random = TRUE)

## End(Not run)
# free_ports

Retrieve many (not all) Transmission Control Protocol (TCP) ports that are not currently in use

## Usage

```r
free_ports()
```

## Value

An integer vector

## Examples

```r
## Not run:
free_ports()
## End(Not run)
```

---

# netstat

Retrieve the output of the ‘netstat’ command line utility

## Usage

```r
netstat()
```

## Value

A character vector containing the lines of the output of the netstat’ command line utility

## Examples

```r
## Not run:
netstat()
## End(Not run)
```
## parse_netstat

Parse the output of the 'Netstat' command line utility - obtained via `netstat()`

### Description

Parse the output of the 'Netstat' command line utility - obtained via `netstat()`

### Usage

```r
parse_netstat(netstat_output)
```

### Arguments

- `netstat_output`: The output of `netstat()` - i.e. a character vector comprising the output of the Netstat command line utility

### Value

A data.frame containing the Active Internet Connections from `netstat()` output

### Examples

```r
## Not run:
netstat_output <- netstat()
(active_connections_table <- parse_netstat(netstat_output))
## End(Not run)
```

## ports_in_use

Obtain the TCP ports currently in use

### Description

Obtain the TCP ports currently in use

### Usage

```r
ports_in_use()
```

### Value

An integer vector of the TCP ports currently in use
Examples

## Not run:

```
(active_ports <- ports_in_use())
```

## End(Not run)

---

unassigned_ports

Obtain a list of the largest ranges of unassigned Transmission Control Protocol (TCP) ports as provided by the Internet Assigned Numbers Authority (IANA)

Description

Obtain a list of the largest ranges of unassigned Transmission Control Protocol (TCP) ports as provided by the Internet Assigned Numbers Authority (IANA)

Usage

```
unassigned_ports()
```

Value

A character vector comprising unassigned Transmission Control Protocol (TCP) ports provided by the Internet Assigned Numbers Authority (IANA). Note that not all unassigned ports will necessarily be returned.

Examples

## Not run:

```
unassigned_ports()
```

## End(Not run)
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