

# Package 'netstat'

May 9, 2026

**Type** Package

**Title** Retrieve Network Statistics Including Available TCP Ports

**Version** 0.1.2

**Maintainer** Steve Condylis <steve.condylis@gmail.com>

**BugReports** <https://github.com/stevecondylis/netstat/issues>

**URL** <https://github.com/stevecondylis/netstat>

**Description** R interface for the 'netstat' command line utility used to retrieve and parse commonly used network statistics, including available and in-use transmission control protocol (TCP) ports. Primers offering technical background information on the 'netstat' command line utility are available in the ``Linux System Administrator's Manual'' by Michael Kerrisk (2014) <<https://man7.org/linux/man-pages/man8/netstat.8.html>>, and on the Microsoft website (2017) <<https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/netstat>>.

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**Imports** utils

**Language** en-US

**NeedsCompilation** no

**Author** Steve Condylis [aut, cre] (ORCID: <<https://orcid.org/0000-0003-0599-844X>>),  
Bob Rudis [aut] (ORCID: <<https://orcid.org/0000-0001-5670-2640>>),  
Patrice Kiener [aut] (ORCID: <<https://orcid.org/0000-0002-0505-9920>>)

**Repository** CRAN

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

## Contents

free_port . . . . .	2
free_ports . . . . .	3
netstat . . . . .	3
parse_netstat . . . . .	4
ports_in_use . . . . .	4
unassigned_ports . . . . .	5
<b>Index</b>	<b>6</b>

---

free_port	<i>Retrieve a Transmission Control Protocol (TCP) port that is not currently in use</i>
-----------	---

---

### 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	<i>Retrieve many (not all) Transmission Control Protocol (TCP) ports that are not currently in use</i>
------------	--

---

**Description**

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

**Usage**

```
free_ports()
```

**Value**

An integer vector

**Examples**

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

---

netstat	<i>Retrieve the output of the 'netstat' command line utility</i>
---------	--

---

**Description**

Retrieve the output of the 'netstat' command line utility

**Usage**

```
netstat()
```

**Value**

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

**Examples**

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

---

parse_netstat	<i>Parse the output of the 'Netstat' command line utility - obtained via netstat()</i>
---------------	--

---

**Description**

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

**Usage**

```
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**

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

---

ports_in_use	<i>Obtain the TCP ports currently in use</i>
--------------	--

---

**Description**

Obtain the TCP ports currently in use

**Usage**

```
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	<i>Obtain a list of the largest ranges of unassigned Transmission Control Protocol (TCP) ports as provided by the Internet Assigned Numbers Authority (IANA)</i>
------------------	--

---

**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)
```

# Index

free\_port, 2  
free\_ports, 3

netstat, 3

parse\_netstat, 4  
ports\_in\_use, 4

unassigned\_ports, 5