Package: getip (via r-universe)

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Type Package

Title 'IP' Address 'Lookup'

Version 0.1-4

Description A micro-package for getting your 'IP' address, either the
local/internal or the public/external one. Currently only
'IPv4' addresses are supported.

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Depends R (>= 3.0.0)

ByteCompile yes

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Repository https://wrathematics.r-universe.dev

RemoteUrl https://github.com/wrathematics/getip

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Description

A micro-package for getting your IP address, either the local/internal or the public/external one. Currently only IPv4 addresses are supported.

Author(s)

Drew Schmidt

getip	*ip_external*

Description

Get your internal/local or external/public IP address. Currently only IPv4 addresses are supported.

Usage

```
getip(type = "local")
```

Arguments

type
: One of "local" or "internal" for the local/internal IP, or one of "external" or "public" for the external/public IP.

Details

The internal/local IP lookup is done in-process, i.e., it does not call system() or the like.

For an external address, the function returns a lookup from one of several services, including Amazon AWS http://checkip.amazonaws.com/, httpbin http://httpbin.org/ip, ipify https://www.ipify.org/, and "My External IP address is ..." http://myexternalip.com/. You must be connected to the internet for this to work. Please note that pathological use could end up in your getting banned from these services, rendering the function useless. So don't call this function a billion times in a loop or something.

Value

Returns the requested IP address as a string.

Examples

```
library(getip)

# internal/local address
getip("local") # same as getip("internal")


# external/public
getip("public") # same as getip("external")
```

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hostname2ip	*hostname2ip*

Description

Converts a hostname (or vector of hostnames) to

Usage

```
hostname2ip(hosts)
```

Arguments

hosts   A vector of hostnames as strings (or just one).

Details

Only IPv4 addresses will be returned. If only IPv6 addresses exist (and if that is the case, allow me to be the first to greet you, person from the distant future) then NA is returned for that hostname.

The function uses getaddrinfo() on *NIX systems, and gethostbyname() on Windows.

Value

A list of vectors of IP's. Each IP is stored as a string.

Examples

```
library(getip)


hosts = c("www.google.com", "localhost", "www.yahoo.com")
hostname2ip(hosts)
```

validip	*validip*

Description

Check if a string is a valid IP address. Currently only IPv4 addresses are supported.

Usage

```
validip(ip)
```

Arguments

ip   A string or vector of strings.

Details

This function is not like a 'ping'. It merely checks if the string is correctly formatted and could theoretically be a valid IP address.

Value

Returns TRUE if the input is a potentially valid IP address, and FALSE otherwise.

Examples

```
library(getip)

validip(c("192.168.1.1", "700.168.1.1"))
```

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