Package 'ip2proxy'

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Type Package

Title Lookup for IP Address Proxy Information

Version 1.2.2

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Description A R package to find the IP addresses which are used as VPN anonymizer, open proxies, web proxies and Tor exits.
The package lookup the proxy IP address from IP2Proxy BIN Data file. You may visit <https://lite.ip2location.com> for free database download.

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Encoding UTF-8

Depends R (>= 3.2.3)

Imports reticulate (>= 1.13), ggplot2 (>= 3.4), maps (>= 3.4.1), scales (>= 1.2.1)

SystemRequirements IP2Proxy Python library <https://www.ip2location.com/development-libraries/ip2proxy/python>

RoxygenNote 7.3.2

NeedsCompilation no

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Repository CRAN

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get_all *Lookup for IP address proxy information*

Description

Find the country, region, city, ISP, domain name, usage types, asn, as name, last seen, threat type, provider and fraud score. The return values will be depending on the BIN data loaded.

Usage

```
get_all(ip)
```

Arguments

ip	IPv4 or IPv6 address

Value

Return all the proxy information about the IP address

Examples

```
## Not run:
get_all("1.0.241.135")

## End(Not run)
```

is_proxy *Lookup for IP address proxy information*

Description

Check whether if an IP address was a proxy.

Usage

```
is_proxy(ip)
```

Arguments

ip	IPv4 or IPv6 address

Value

Return a digit value: -1 (errors), 0 (not a proxy), 1 (a proxy), and 2 (a data center IP address).

Examples

```
## Not run:
is_proxy("1.0.241.135")

## End(Not run)
```

`lookup_web_service` *Lookup for IP address proxy information using IP2Proxy web service.*

Description

Find the country, region, city, ISP, domain name, usage types, asn, as name, last seen, threat type and provider. The return values will be depending on the IP2Proxy web service package used.

Usage

```
lookup_web_service(api_key, ip, package = "PX1")
```

Arguments

`api_key`	IP2Proxy web service API key
`ip`	IPv4 or IPv6 address
`package`	Package to use for IP2Proxy web service.

Value

Return all the proxy information about the IP address

Examples

```
## Not run:
lookup_web_service("YOUR_API_KEY", "1.0.241.135", "PX1")

## End(Not run)
```

open *Load IP2Proxy BIN data*

Description

Load the IP2Proxy BIN data for lookup. Free IP2Proxy LITE data available for download at <https://lite.ip2location.com/>

Usage

```
open(bin_location)
```

Arguments

bin_location	Absolute path of IP2Proxy BIN data

Examples

```
## Not run:
open("~/IP-COUNTRY.BIN")

## End(Not run)
```

plot_map *Plot map using IP2Location data.*

Description

Plot the country on the map based on IP addresses and its IP2Location country data.

Usage

```
plot_map(ips)
```

Arguments

ips	A vector of IP addresses to be plot on

Examples

```
## Not run:
plot_map(c("1.0.241.135", "1.2.3.4"))

## End(Not run)
```

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