# Package 'Rwhois'

January 20, 2025

**Title** WHOIS Server Querying

**Version** 1.0.16

**Date** 2024-03-14

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**Description** Queries data from WHOIS servers.

**Imports** stringr, utils

**License** MIT + file LICENSE

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2024-03-15 03:30:02 UTC

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Rwhois                     *WHOIS server querying*

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## Description

Queries WHOIS servers

## Usage

```
whois_query(hostname, server="whois.iana.org",
  follow.refer=TRUE, raw.data=FALSE, debug=FALSE
)
whois_keyextract(query_ret, keys, blacklist_values=NULL, unlist.recursive=TRUE)
```

## Arguments

| | |
|---|---|
| hostname | Server hostname (or hostnames as vector) to return results for. |
| server | WHOIS server to query (default: whois.iana.org) |
| follow.refer | Whether to follow referral information from a WHOIS result to query a different WHOIS server. Default TRUE. |
| raw.data | Whether to dump raw output as a character string without parsing. Default FALSE. If TRUE, this option supercedes follow.refer and forces it FALSE. |
| query_ret | data.frame that was returned from whois_query() |
| keys | Single string or vector of strings, case-insensitive, of what keys to look for in-order to return back values of from the whois return |
| debug | Boolean if you want debug prints (good for large quantities of manual data) |
| blacklist_values | |
| | Character or vector of values (or starting values) to skip when searching |
| unlist.recursive | |
| | Boolean if you want the unlist at the end to pass recursively |

## Value

whois_query() returns a data.frame whois_keyextract() returns a vector

## Author(s)

Brad Cable

## Examples

```
# Grab WHOIS data for an IP
whois_query("1.1.1.1")

# Grab WHOIS data for a hostname from a different whois server
whois_query("bcable.net", server="whois.verisign-grs.com")

# Grab multiple vectorized results
domains <- c("bcable.net", "4.2.2.4")
whois_query(domains)

# Extract Country Info About IP Addresses
ip_addresses <- c("1.1.1.1", "8.8.8.8")
query_ret <- whois_query(ip_addresses)
countries <- whois_keyextract(query_ret, "country")

# Extract Organization Info From Same IPs
organization_names <- whois_keyextract(query_ret,
  c("org-name", "orgname", "organisation", "organization")
)
```

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