Package ‘whoapi’

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Type Package
Title A 'Whoapi' API Client
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Description Retrieve data from the 'Whoapi' (https://whoapi.com) store of
domain information, including a domain's geographic location, registration
status and search prominence.
License MIT + file LICENSE
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R topics documented:
certificate_info .................................................. 2
domain_location .................................................. 2
domain_metadata ................................................. 3
domain_rank ........................................................ 4
domain_search .................................................... 4
is_blacklisted .................................................... 5
is_taken ............................................................ 6
whoapi .............................................................. 6
whoapi_token ..................................................... 7
whois_info ........................................................ 7
Index 8

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**certificate_info**  
*Get Certificate Information for a Domain*

### Description

certificate_info retrieves information about a domain’s SSL certificate (if present).

### Usage

```
certificate_info(token, domain, ...)
```

### Arguments

- **token**: a token generated with `whoapi_token`
- **domain**: a domain name
- **...**: further arguments to pass to httr’s GET.

### See Also

[whois_info](#) for information about the domain in general.

### Examples

```
token <- whoapi_token("demokey")
# Not run:
whoapi_cert <- certificate_info(token, "whoapi.com")

# End(Not run)
```

---

**domain_location**  
*Retrive Domain Location Information*

### Description

domain_location returns geographic information about where a domain - or, specifically, its IP address - is located.

### Usage

```
domain_location(token, domain, ...)
```

### Arguments

- **token**: a token generated with `whoapi_token`
- **domain**: a domain name
- **...**: further arguments to pass to httr’s GET.
domain_metadata

See Also

whois_info for more free-form information, including (potentially) the address of the domain holders.

Examples

token <- whoapi_token("demokey")
## Not run:
location_data <- domain_location(token, "whoapi.com")

## End(Not run)

---

domain_metadata

Retrieve Domain Metadata

Description

domain_metadata retrieves information about the content on a domain, specifically the title and metadata description fields from its home page.

Usage

domain_metadata(token, domain, ...)

Arguments

token a token generated with whoapi_token
domain a domain name
...

Arguments further arguments to pass to httr's GET.

Examples

token <- whoapi_token("demokey")
## Not run:
metadata <- domain_metadata(token, "whoapi.com")

## End(Not run)
domain_rank

Identify a Domain’s Search Ranking

Description

domain_rank provides users with the ability to identify a domain’s "search ranking" - how prominent it is according to common internet benchmarks. Specifically, it provides both Alexa reach and popularity scores, and the Google Pagerank ("pr") ranking, which goes from 0 to 10 (and is represented by -1 if it cannot be found).

Usage

domain_rank(token, domain, ...)

Arguments

- token: a token generated with whoapi_token
- domain: a domain name
- ...: further arguments to pass to httr’s GET.

See Also

domain_search which specifically looks at the search results a particular domain pulls up in various search engines.

Examples

token <- whoapi_token("demokey")
## Not run:
whoapi_domain <- domain_rank(token, "whoapi.com")
## End(Not run)

domain_search

Identify a Domain’s Search Results Count

Description

domain_search allows you to quickly calculate, in an automated way, how many search results Bing and Google return for a particular domain.

Usage

domain_search(token, domain, ...)

is_blacklisted

Arguments

  token       a token generated with \texttt{whoapi_token}
  domain     a domain name
  ...         further arguments to pass to \texttt{httr}'s \texttt{GET}.

See Also

\texttt{domain_rank} which looks more generally at domain popularity according to Alexa and Google Pagerank scores.

Examples

  token <- whoapi_token("demokey")
  search_results <- domain_search(tokenL "whoapi.com")

is_blacklisted \hspace{1em} \textit{Identify if a Domain is Blacklisted}

Description

is_blacklisted checks whether a domain is on prominent spam blacklists (or not).

Usage

is_blacklisted(token, domain, ...)

Arguments

  token       a token generated with \texttt{whoapi_token}
  domain     a domain name
  ...         further arguments to pass to \texttt{httr}'s \texttt{GET}.

Value

a list containing a boolean value, "blacklisted", which identifies whether a domain is blacklisted by any of the checked services, followed by a breakdown of what the status is on each particular service.
**Description**

is_taken identifies if a domain is taken - if it's been reserve or registered.

**Usage**

is_taken(token, domain, ...)

**Arguments**

- **token**: a token generated with whoapi_token
- **domain**: a domain name
- **...**: further arguments to pass to httr’s GET.

**Value**

A boolean TRUE or FALSE indicating, respectively, whether the domain is reserved/registered, or not.

**See Also**

whois_info for more information about a domain’s status, including when the registration expires and who has registered it.

**Examples**

```r
# Check if whoapi.com is taken
token <- whoapi_token("demokey")
## Not run:
is_taken(token, "whoapi.com")

## End(Not run)
#[1] TRUE
```

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**whoapi**

Client library for ‘Whoapi‘ (https://whoapi.com/)

**Description**

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whoapi_token

Create a token for WhoAPI

Description

This function allows the creation of connectors to whoapi, which can be passed between function calls, providing consistent API keys and options for different calls.

Usage

whoapi_token(key, user_agent = NULL)

Arguments

key the API key to use.
user_agent the user agent to use. NULL by default, which will use the whoapi package user agent.

whois_info

Get Registration Information for a Domain

Description

whois_info grabs detailed information about a domain’s registration, including (but not limited to) who it’s registered to, what its status is, when it was registered and when it expires.

Usage

whois_info(token, domain, ...)

Arguments

token a token generated with whoapi_token
domain a domain name
... further arguments to pass to httr's GET.

See Also

is_taken for simply determining if a domain is registered at all, or certificate_info for information about a domain’s SSL certificates.

Examples

token <- whoapi_token("demokey")
## Not run:
whoapi_whois_info <- whois_info(token, "whoapi.com")
## End(Not run)
Index

certificate_info, 2, 7

domain_location, 2
domain_metadata, 3
domain_rank, 4, 5
domain_search, 4, 4

is_blacklisted, 5
is_taken, 6, 7

whoapi, 6
whoapi-package (whoapi), 6
whoapi_token, 2–7, 7
whois_info, 2, 3, 6, 7