

Package: Rrdap (via r-universe)

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Title RDAP Server Querying
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Description Queries data from RDAP servers.
Imports curl, rjson, stringr, utils
License MIT + file LICENSE
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Rrdap	<i>RDAP server querying</i>
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Description

Queries RDAP servers

Usage

```
rdap_query(entities, rdap_uri="https://rdap-bootstrap.arin.net/bootstrap/",
  query_entity=FALSE, debug=FALSE)

rdap_keyextract(query_ret, key)

rdap_keynames(query_ret)

rdap_extract_df(query_ret, sub_name)

rdap_keyval_extract(query_ret, keys, blacklist_values=NULL, unlist.recursive=TRUE)
```

Arguments

entities	Entity (or entities as vector) to query RDAP for. Can IP addresses, domains, or a mix of the two.
rdap_uri	RDAP URI to use as the search base. This should not need to be anything other than the default bootstrap URI unless you really want to do something specific.
query_entity	Manually override what type of entity is being queried. Not recommended.
query_ret	Data structure that was returned from rdap_query()
sub_name	Name of sub-table to return as a flat list
key	Single string, case-sensitive, of what key to look to return back values from the RDAP return
keys	Single string or vector of strings, case-insensitive, of what keys to look for in-order to return back values of from the RDAP 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

rdap_query() returns a large JSON data.frame() rdap_extract_df() returns a data.frame rdap_keyextract() returns a vector rdap_keynames() returns a vector rdap_keyval_extract() returns a vector

Author(s)

Brad Cable

Examples

```
# Grab RDAP data for a domain
rdap_query("bcable.net")

# Grab RDAP data for an IP
rdap_query("1.1.1.1")
```

```
# Grab RDAP data for a domain from a specific RDAP provider
rdap_query("bcable.net", rdap_uri="https://rdap.verisign.com/net/v1/")

# Grab multiple mixed vectorized results
hosts_ips <- c("1.0.0.1", "bcable.net")
rdap_data <- rdap_query(hosts_ips)
rdap_data

# Extract Country Info About Domains
countries <- rdap_keyextract(rdap_data, "country")

# Get list of available attribute names for each entry
rdap_keynames(rdap_data)

# Get more traditional WHOIS style registration data
entity_data <- rdap_extract_df(rdap_data, "entities")

# Grab default role reported
rdap_keyval_extract(entity_data, "roles")
```

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