Package ‘cqcr’

October 7, 2019

Title  Access ‘Care Quality Commission’ Data
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Description  Access data from the ‘Care Quality Commission’, the health
and adult social care regulator for England. The ‘Care Quality Commission’
operates an API
<https://www.cqc.org.uk/about-us/transparency/using-cqc-data#api>, with data
available under the Open Government License. Data includes information on
service providers, locations such as hospitals, care homes and
medical clinics, and ratings and inspection reports.

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Description

Access data from the 'Care Quality Commission', the health and adult social care regulator for England. The 'Care Quality Commission' operates an API, with data available under the Open Government License. Data includes information on service providers, locations such as hospitals, care homes and medical clinics, and ratings and inspection reports. Registration is not required, although you should use the `cqc_partner_code()` function to set an indicator of the organisation you are from when querying the API.

cqc_changes

Description

Return ID’s of CQC providers or locations that have reported changes in a given time period.

Usage

```r
cqc_changes(organisation_type = c("provider", "location"),
            start_date = "2000-01-01", end_date = Sys.Date(), verbose = TRUE,
            clean_names = TRUE)
```

Arguments

- `organisation_type`: One of "provider" or "location".
- `start_date`: The start of the date range, in "YYYY-MM-DD" format, or any vector of character, integer or numeric that can be be parsed with anytime::anytime.
- `end_date`: The end of the date range, in "YYYY-MM-DD" format, or any vector of character, integer or numeric that can be be parsed with anytime::anytime.
- `verbose`: If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
- `clean_names`: If TRUE, converts a column names to snake_case. Defaults to TRUE.
cqc_inspection_areas

Value
A tibble of all providers or locations that had reported changes in the given period.

Examples

```r
cchanges_location <- cqc_changes(
organisation_type = "LoCAtiOn",
start_date = "2019-03-10",
end_date = "2019-03-12"
)
```

---

cqc_inspection_areas  

**Description**
Retrieves all CQC inspection areas.

**Usage**
```
cqc_inspection_areas(clean_names = TRUE)
```

**Arguments**
clean_names  If TRUE, converts a column names to snake_case. Defaults to TRUE.

**Value**
A tibble with inspection areas.

---

cqc_location  

**Description**
Retrieve data on individual locations or the inspection area(s) of a given location.

**Usage**
```
cqc_location(location_id, verbose = TRUE, clean_names = TRUE)
cqc_location_inspection_area(location_id, clean_names = TRUE)
```
cqc_locations_search

Arguments

- **location_id**  
The ID of a specific location
- **verbose**  
If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
- **clean_names**  
If TRUE, converts a column names to snake_case. Defaults to TRUE.

Value

A list with information on the given location.

---

**cqc_locations_search**  
*Location Queries*

---

Description

Returns all available locations, subject to given parameters.

Usage

```r

cqc_locations_search(care_home = NULL, onspd_ccg_code = NULL,
onspd_ccg_name = NULL, ods_ccg_code = NULL, ods_ccg_name = NULL,
gac_service_type_description = NULL, constituency = NULL,
local_authority = NULL, inspection_directorate = NULL,
primary_inspection_category_code = NULL,
primary_inspection_category_name = NULL,
non_primary_inspection_category_code = NULL,
non_primary_inspection_category_name = NULL, overall_rating = NULL,
region = NULL, regulated_activity = NULL, report_type = NULL,
verbose = TRUE, clean_names = TRUE)
```

Arguments

- **care_home**  
If TRUE, only returns care homes. If FALSE, returns all locations except care homes. Defaults to NULL and returns all locations including care homes.
- **onspd_ccg_code**  
Include only locations where the ONSPD CCG code of the geographic area covering the Location’s postcode matches one of the values of this parameter.
- **onspd_ccg_name**  
Include only locations where the ONSPD CCG name of the geographic area covering the Location’s postcode matches one of the values of this parameter.
- **ods_ccg_code**  
Include only locations where the ODS code of the CCG selected by this organisation is known and matches one of the values of this parameter.
- **ods_ccg_name**  
Include only locations where the ODS name of the CCG selected by this organisation is known and matches one of the values of this parameter.
- **gac_service_type_description**  
GAC Service Type Descriptions, matching one or more values of this parameter. e.g. "Acute services with overnight beds".
constituency  Location is in a given parliamentary constituency
local_authority  Location is in a given local authority.
inspection_directorate  The type of inspection directorate. Accepts one or more of "Adult social care", "Hospitals", "Primary medical services" or "Unspecified".
primary_inspection_category_code  The primary inspection category code. e.g. "H1"
primary_inspection_category_name  The primary inspection category name. e.g. "Slimming Clinics"
non_primary_inspection_category_code  The non-primary inspection category code. e.g. "H1"
non_primary_inspection_category_name  The non-primary inspection category name. e.g. "Slimming Clinics".
overall_rating  Include only locations with a given inspection rating. e.g. "Good". Accepts character vector of multiple inspection ratings.
region  Region of the UK, e.g. "London" or "North East".
regulated_activity  The type of activity at a location, e.g. "Accommodation for persons who require treatment for substance misuse".
report_type  The type of report, e.g. "Location", "Provider" or "CoreService".
verbose  If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
clean_names  If TRUE, converts a column names to snake_case. Defaults to TRUE.

Details

All parameters except care_home, verbose and clean_names accept an array of values, and will return locations matching any of the values of those arrays, subject to other parameters. Search parameters are case sensitive, e.g. "hospitals"

Value

A tibble with the location ID, name and postcode of all locations meeting the given parameters.

Examples

```r
## Get all care homes in Redbridge
loc1 <- cqc_locations_search(care_home = TRUE, local_authority = "Redbridge")
```
cqc_partner_code  Partner Code

Description
Function to add an identifier code to API queries.

Usage
cqc_partner_code(check_env = FALSE)

Arguments
check_env  If TRUE, will check the environment variable CQC_PARTNER_CODE first before asking for user input.

Details
The CQC wants all organisations using this API to add an additional query identifying themselves to all queries.
If you are a CQC Syndication partner the value for this code will be provided to you, otherwise an informative but concise code representing your organisation should be chosen. The partner code can be set as an environmental variable named CQC_PARTNER_CODE, or using this function. If set, it will automatically be included in all queries.

cqc_provider  Individual providers

Description
Return information on individual providers

Usage
cqc_provider(provider_id, clean_names = TRUE)
cqc_provider_locations(provider_id, clean_names = TRUE)
cqc_provider_inspection_areas(provider_id, clean_names = TRUE)

Arguments
provider_id  The ID of a given provider
clean_names  If TRUE, converts a column names to snake_case. Defaults to TRUE.
cqc_providers

Value

A tibble with information on a given CQC provider or providers.
A tibble with information the inspection area of a given provider.

---

cqc_providers

CQC Providers

Description

Retrieve CQC providers, subject to given parameters.

Usage

```r
cqc_providers(constituency = NULL, local_authority = NULL,
inspection_directorate = NULL,
non_primary_inspection_category_code = NULL,
non_primary_inspection_category_name = NULL,
primary_inspection_category_code = NULL,
primary_inspection_category_name = NULL, overall_rating = NULL,
region = NULL, regulated_activity = NULL, report_type = NULL,
verbose = TRUE, clean_names = TRUE)
```

Arguments

- **constituency**: Location is in a given parliamentary constituency
- **local_authority**: Location is in a given local authority.
- **inspection_directorate**: The type of inspection directorate. Accepts one or more off "Adult social care", "Hospitals", "Primary medical services" or "Unspecified".
- **non_primary_inspection_category_code**: The non-primary inspection category code. e.g. "H1"
- **non_primary_inspection_category_name**: The non-primary inspection category name. e.g. "Slimming Clinics".
- **primary_inspection_category_code**: The primary inspection category code. e.g. "H1"
- **primary_inspection_category_name**: The primary inspection category name. e.g. "Slimming Clinics"
- **overall_rating**: Include only locations with a given inspection rating. e.g. "Good". Accepts character vector of multiple inspection ratings.
- **region**: Region of the UK, e.g. "London" or "North East".
- **regulated_activity**: The type of activity at a location, e.g. "Accommodation for persons who require treatment for substance misuse".
cqc_reports

report_type The type of report, e.g. "Location", "Provider" or "CoreService".
verbose If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
clean_names If TRUE, converts a column names to snake_case. Defaults to TRUE.

Value
A tibble with the provider ID, name and postcode of all providers meeting the given parameters.

Examples

# All providers in Tower Hamlets
prov1 <- cqc_providers(local_authority = "Tower Hamlets")

cqc_reports

Description
Return CQC inspection reports, either as a plain text character vector, or by saving a PDF to the chosen directory.

Usage
cqc_reports(inspection_report_link_id, related_document_type = NULL,
plain_text = TRUE, attempt_pdf = FALSE, directory = NULL,
file_name = NULL, verbose = TRUE)

Arguments

inspection_report_link_id
The ID of the report to return.
related_document_type
An optional qualifier to retrieve a document related to the main report. This parameter is the Related Document Type found from the relatedDocuments response object. e.g. "Use for the inspection is returned.
plain_text If TRUE, returns plain text of report. Otherwise returns a PDF. Defaults to TRUE.
attempt_pdf Set behaviour when attempting to retrieve plain text of reports. If TRUE, attempts to retrieve a PDF if the plain text of the report is not available and saves it to directory. Ignored if plain_text == FALSE. Defaults to FALSE.
directory The directory to save PDF files in. Defaults to current working directory.
file_name A custom file name given to a PDF file being saved locally. If NULL, saves files as inspection_report_link_id.pdf. Defaults to NULL.
verbose If TRUE prints download progress to console if requesting more than 1,000 records. Defaults to TRUE.
Value

Either a PDF of the inspection report saved to the working directory, or a character vector with the plain text of the inspection report, depending on parameters used.

Examples

```r
report2 <- cqc_reports("41d035b1-43e7-4857-be33-cf1b57cf4311")
```
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