

Package: cloudflarer (via r-universe)

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Title Interface to the 'Cloudflare' API

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Description An 'R' interface to the 'Cloudflare' REST API (<https://developers.cloudflare.com/api/>). Wraps the v4 API with authenticated requests, response unwrapping, paginated list helpers, and a generic request function so users can call any endpoint that is not yet covered by a dedicated wrapper.

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<https://drmowinckels.io/cloudflarer/>

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cf_api_key	<i>Cloudflare Global API Key (legacy auth)</i>
------------	--

Description

Reads the Global API Key used together with [cf_email\(\)](#) for Cloudflare's legacy authentication scheme. Prefer creating a scoped API token instead; see [cf_token\(\)](#).

Usage

```
cf_api_key(api_key = NULL)
```

Arguments

api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.
---------	---

Value

A character scalar with the API key.

See Also

Other authentication: [cf_auth_mode\(\)](#), [cf_email\(\)](#), [cf_has_auth\(\)](#), [cf_sitrep\(\)](#), [cf_token\(\)](#), [cf_verify\(\)](#)

Examples

```
withr::with_envvar(
  c(CLOUDFLARE_API_KEY = "cloudflarer-example-key"),
  cf_api_key()
)
```

cf_auth_mode	<i>Detect which Cloudflare auth mode is configured</i>
--------------	--

Description

Returns the credential type that the next request would use, based on the current environment:

Usage

```
cf_auth_mode()
```

Details

- "token" – CLOUDFLARE_API_TOKEN is set.
- "key" – both CLOUDFLARE_EMAIL and CLOUDFLARE_API_KEY are set.
- NA_character_ – no usable credentials are available.

When both are configured, the API token wins because it is the modern, scoped credential type.

Value

A character scalar ("token", "key", or NA_character_).

See Also

Other authentication: [cf_api_key\(\)](#), [cf_email\(\)](#), [cf_has_auth\(\)](#), [cf_sitrep\(\)](#), [cf_token\(\)](#), [cf_verify\(\)](#)

Examples

```
cf_auth_mode()
```

cf_cache_ratio	<i>Daily cache hit ratio for a zone</i>
----------------	---

Description

Wraps the same GraphQL httpRequests1dGroups node as [cf_zone_requests\(\)](#) but exposes the cache-specific fields: total requests/bytes, cached requests/bytes, and the derived cache hit ratios.

Usage

```
cf_cache_ratio(
  zone_id,
  since,
  until,
  limit = 100L,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier (zoneTag in GraphQL).
since, until	Date or POSIXct. Half-open [since, until).
limit	Maximum number of rows. Cloudflare caps the underlying query at 10000.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.

email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame with columns date (chr), requests, cached_requests, bytes, cached_bytes, request_hit_ratio, bandwidth_hit_ratio.

See Also

Other analytics: [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_cache_ratio(
  "abc123",
  since = Sys.Date() - 7,
  until = Sys.Date()
)
```

cf_collect

Collect every page of a paginated endpoint

Description

Given a request built with [cf_request\(\)](#) (optionally with query filters piped on), walks every page of a Cloudflare list endpoint and concatenates the result arrays into a single list. Page size and paging cursor are added as query parameters on each request.

Usage

```
cf_collect(req, per_page = 50, max_pages = Inf, progress = FALSE, ...)
```

Arguments

req	An http2_request from cf_request() .
per_page	Integer page size. Cloudflare caps most endpoints at 50; some allow up to 1000.
max_pages	Optional integer. Stop after collecting this many pages. Useful for exploratory calls against large accounts. Inf (the default) collects everything.
progress	Whether to show a progress bar while paging.
...	Additional arguments passed to http2::req_perform_iterative() .

Value

A list of records.

See Also

Other requests: [cf_request\(\)](#), [cf_resp\(\)](#)

Examples

```
cf_request("zones") |> cf_collect(per_page = 50)
```

`cf_create_custom_hostname`*Create a custom hostname*

Description

Registers a customer hostname with SSL-for-SaaS.

Usage

```
cf_create_custom_hostname(  
  zone_id,  
  hostname,  
  ssl_method = "txt",  
  ssl_type = "dv",  
  ssl = NULL,  
  custom_metadata = NULL,  
  custom_origin_server = NULL,  
  ...,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier.
<code>hostname</code>	Customer-facing hostname (e.g. "shop.customer.com").
<code>ssl_method</code>	Domain Control Validation method: "http", "txt", or "email".
<code>ssl_type</code>	Certificate type, typically "dv".
<code>ssl</code>	Optional named list overriding the default SSL config. When supplied, takes precedence over <code>ssl_method</code> / <code>ssl_type</code> .

custom_metadata	Optional named list of metadata stored with the hostname.
custom_origin_server	Optional custom origin server (overrides zone fallback).
...	Additional fields forwarded to the API.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the created custom hostname.

See Also

Other ssl: [cf_delete_custom_hostname\(\)](#), [cf_get_certificate_pack\(\)](#), [cf_get_custom_hostname\(\)](#), [cf_list_certificate_packs\(\)](#), [cf_list_custom_hostnames\(\)](#)

Examples

```
## Not run:
cf_create_custom_hostname(
  "zone-1",
  hostname = "shop.customer.com",
  ssl_method = "txt"
)

## End(Not run)
```

cf_create_d1_database *Create a D1 database*

Description

Create a D1 database

Usage

```
cf_create_d1_database(
  account_id,
  name,
  primary_location_hint = NULL,
  ...,
  token = NULL,
```

```

    email = NULL,
    api_key = NULL
)

```

Arguments

account_id	Character. Cloudflare account identifier.
name	Database name. Must be unique within the account.
primary_location_hint	Optional Cloudflare region hint ("WNAM", "ENAM", "WEUR", "EEUR", "APAC", "OC").
...	Additional fields forwarded to the API.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list describing the created database.

See Also

Other d1: [cf_d1_query\(\)](#), [cf_delete_d1_database\(\)](#), [cf_get_d1_database\(\)](#), [cf_list_d1_databases\(\)](#)

Examples

```

## Not run:
cf_create_d1_database("acc-1", name = "users")

## End(Not run)

```

cf_create_dns_record *Create a DNS record*

Description

Create a DNS record

Usage

```
cf_create_dns_record(
    zone_id,
    type,
    name,
    content,
    ttl = 1,
    proxied = NULL,
    priority = NULL,
    comment = NULL,
    ...,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
type	Record type: "A", "AAAA", "CNAME", "MX", "TXT", "SRV", etc.
name	Record name (host). For the apex, pass "@" or the zone name.
content	Record content. For A/AAAA an IP address; for CNAME a hostname; for TXT the string value.
ttl	Time to live in seconds. 1 means "automatic" (Cloudflare's default).
proxied	Logical. Whether the record is proxied through Cloudflare. Applies to A/AAAA/CNAME.
priority	Integer. Required for MX records.
comment	Optional human-readable comment.
...	Additional fields forwarded to the API for record types with extra requirements (data for SRV, etc.).
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the created record.

See Also

Other dns: [cf_delete_dns_record\(\)](#), [cf_get_dns_record\(\)](#), [cf_list_dns_records\(\)](#), [cf_update_dns_record\(\)](#)

Examples

```
cf_create_dns_record(  
  "zone-1",  
  type    = "A",  
  name    = "www",  
  content = "192.0.2.1",  
  proxied = TRUE  
)
```

cf_create_healthcheck *Create a healthcheck*

Description

Create a healthcheck

Usage

```
cf_create_healthcheck(  
  zone_id,  
  name,  
  address,  
  type = "HTTPS",  
  check_regions = NULL,  
  http_config = NULL,  
  tcp_config = NULL,  
  interval = 60,  
  retries = 2,  
  timeout = 5,  
  description = NULL,  
  suspended = NULL,  
  ...,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
name	Display name for the healthcheck.
address	Hostname or IPv4/IPv6 address to monitor.
type	One of "HTTPS", "HTTP", or "TCP".

<code>check_regions</code>	Optional character vector of Cloudflare region codes ("WEU", "ENAM", etc.). When NULL, the API runs the check from all available regions.
<code>http_config</code>	Optional named list with HTTP/HTTPS-specific fields (path, port, method, expected_codes, expected_body, follow_redirects, allow_insecure, header).
<code>tcp_config</code>	Optional named list with TCP-specific fields (port, method).
<code>interval</code>	Polling interval in seconds.
<code>retries</code>	Number of retries before marking unhealthy.
<code>timeout</code>	Timeout per check, in seconds.
<code>description</code>	Optional human-readable description.
<code>suspended</code>	Logical. When TRUE, the check is paused.
<code>...</code>	Additional fields forwarded to the API.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the created healthcheck.

See Also

Other healthchecks: [cf_delete_healthcheck\(\)](#), [cf_get_healthcheck\(\)](#), [cf_list_healthchecks\(\)](#), [cf_update_healthcheck\(\)](#)

Examples

```
## Not run:
cf_create_healthcheck(
  "zone-1",
  name      = "api-prod",
  address   = "api.example.com",
  type      = "HTTPS",
  http_config = list(path = "/health", expected_codes = "200")
)

## End(Not run)
```

`cf_create_kv_namespace`*Create a Workers KV namespace*

Description

Create a Workers KV namespace

Usage

```
cf_create_kv_namespace(  
    account_id,  
    title,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

<code>account_id</code>	Character. Cloudflare account identifier.
<code>title</code>	Character. Human-readable namespace name.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the created namespace.

See Also

Other workers: [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_create_kv_namespace("abc123", "sessions")
```

cf_create_page_rule *Create a Page Rule*

Description

Each rule applies a list of actions whenever a request matches one of targets. The most common pattern: a single URL-match target plus one cache-related action (for example `cache_level = "cache_everything"` to bump a static site's hit ratio).

Usage

```
cf_create_page_rule(
    zone_id,
    targets,
    actions,
    priority = 1L,
    status = c("active", "disabled"),
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier.
<code>targets</code>	A list of target specifications. The simplest form is a single URL-match created by cf_page_rule_target() ; see the example below.
<code>actions</code>	A list of action specifications. The simplest form is a list created by cf_page_rule_action() .
<code>priority</code>	Integer. Higher number = applied first.
<code>status</code>	"active" or "disabled".
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the created rule.

See Also

Other zones: [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_create_page_rule(
    "abc123",
    targets = list(
        cf_page_rule_target("*example.com/blog/*")
    ),
    actions = list(
        cf_page_rule_action("cache_level", "cache_everything"),
        cf_page_rule_action("edge_cache_ttl", 7200)
    )
)
```

```
cf_create_turnstile_widget
```

Create a Turnstile widget

Description

Create a Turnstile widget

Usage

```
cf_create_turnstile_widget(
    account_id,
    name,
    domains,
    mode = c("managed", "non-interactive", "invisible"),
    bot_fight_mode = FALSE,
    region = "world",
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
name	Character. Human-readable widget name.
domains	Character vector of domains where the widget will be embedded.
mode	Character. Visibility mode: "managed" (Cloudflare decides), "non-interactive" (no user interaction), or "invisible".
bot_fight_mode	Logical. Enable Bot Fight Mode integration.
region	Character. Where Turnstile runs from. "world" (default) or "china".

token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the created widget, including its sitekey and secret (only shown once).

See Also

Other turnstile: [cf_delete_turnstile_widget\(\)](#), [cf_get_turnstile_widget\(\)](#), [cf_list_turnstile_widgets\(\)](#)

Examples

```
cf_create_turnstile_widget(  
  "abc123",  
  name = "comment-form",  
  domains = c("example.com", "www.example.com"),  
  mode = "managed"  
)
```

cf_d1_query	<i>Run a SQL query against a D1 database</i>
-------------	--

Description

Executes one or more SQL statements against the database. Use `params` for parameterised queries to avoid string-interpolation issues.

Usage

```
cf_d1_query(  
  account_id,  
  database_id,  
  sql,  
  params = NULL,  
  as_df = TRUE,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
database_id	Character. D1 database uuid.
sql	Character. SQL statement(s) to execute.
params	Optional character vector of positional parameters bound to the ? placeholders in sql.
as_df	Logical. When TRUE (the default), returns the first result set as a data.frame via cf_records_to_df() . Set to FALSE to get the full raw response (useful for multi-statement queries or when you need the metadata).
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of result rows when as_df = TRUE, otherwise the raw response (a list of result blocks, each with success, meta, and results).

See Also

Other d1: [cf_create_d1_database\(\)](#), [cf_delete_d1_database\(\)](#), [cf_get_d1_database\(\)](#), [cf_list_d1_databases\(\)](#)

Examples

```
## Not run:
cf_d1_query("acc-1", "db-1", "SELECT * FROM users WHERE id = ?", params = "42")

## End(Not run)
```

cf_delete_custom_hostname

Delete a custom hostname

Description

Delete a custom hostname

Usage

```
cf_delete_custom_hostname(
    zone_id,
    custom_hostname_id,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
custom_hostname_id	Character. Custom hostname identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the deleted hostname's id.

See Also

Other ssl: [cf_create_custom_hostname\(\)](#), [cf_get_certificate_pack\(\)](#), [cf_get_custom_hostname\(\)](#), [cf_list_certificate_packs\(\)](#), [cf_list_custom_hostnames\(\)](#)

Examples

```
## Not run:
cf_delete_custom_hostname("zone-1", "ch-1")

## End(Not run)
```

cf_delete_d1_database *Delete a D1 database*

Description

Delete a D1 database

Usage

```
cf_delete_d1_database(
  account_id,
  database_id,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
database_id	Character. D1 database uuid.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the API response.

See Also

Other d1: [cf_create_d1_database\(\)](#), [cf_d1_query\(\)](#), [cf_get_d1_database\(\)](#), [cf_list_d1_databases\(\)](#)

Examples

```
## Not run:
cf_delete_d1_database("acc-1", "db-1")

## End(Not run)
```

cf_delete_dns_record *Delete a DNS record*

Description

Delete a DNS record

Usage

```
cf_delete_dns_record(
    zone_id,
    record_id,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
record_id	Character. DNS record identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the deleted record's id.

See Also

Other dns: [cf_create_dns_record\(\)](#), [cf_get_dns_record\(\)](#), [cf_list_dns_records\(\)](#), [cf_update_dns_record\(\)](#)

Examples

```
cf_delete_dns_record("zone-1", "rec-1")
```

cf_delete_healthcheck *Delete a healthcheck*

Description

Delete a healthcheck

Usage

```
cf_delete_healthcheck(
    zone_id,
    healthcheck_id,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
healthcheck_id	Character. Healthcheck identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the deleted healthcheck's id.

See Also

Other healthchecks: [cf_create_healthcheck\(\)](#), [cf_get_healthcheck\(\)](#), [cf_list_healthchecks\(\)](#), [cf_update_healthcheck\(\)](#)

Examples

```
## Not run:
cf_delete_healthcheck("zone-1", "hc-1")

## End(Not run)
```

```
cf_delete_kv_namespace
```

Delete a Workers KV namespace

Description

Delete a Workers KV namespace

Usage

```
cf_delete_kv_namespace(
    account_id,
    namespace_id,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

NULL, invisibly. Cloudflare returns an empty result on success.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_delete_kv_namespace("abc123", "ns-1")
```

cf_delete_kv_value	<i>Delete a value from a Workers KV namespace</i>
--------------------	---

Description

Delete a value from a Workers KV namespace

Usage

```
cf_delete_kv_value(  
    account_id,  
    namespace_id,  
    key_name,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
key_name	Character. Key to read.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

NULL, invisibly. Cloudflare returns an empty result on success.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_delete_kv_value("abc123", "ns-1", "greeting")
```

cf_delete_kv_values *Delete multiple keys from a Workers KV namespace*

Description

Delete multiple keys from a Workers KV namespace

Usage

```
cf_delete_kv_values(
    account_id,
    namespace_id,
    keys,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
keys	Character vector of key names to delete. Up to 10,000 keys per call.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with `successful_key_count` and `unsuccessful_keys`.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_delete_kv_values("abc123", "ns-1", c("greeting", "farewell"))
```

cf_delete_page_rule	<i>Delete a Page Rule</i>
---------------------	---------------------------

Description

Delete a Page Rule

Usage

```
cf_delete_page_rule(  
    zone_id,  
    rule_id,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
rule_id	Character. Page Rule identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the deleted rule's id.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_delete_page_rule("abc123", "rule-1")
```

`cf_delete_turnstile_widget`*Delete a Turnstile widget*

Description

Delete a Turnstile widget

Usage

```
cf_delete_turnstile_widget(  
    account_id,  
    sitekey,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

<code>account_id</code>	Character. Cloudflare account identifier.
<code>sitekey</code>	Character. Widget sitekey.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the deleted widget's sitekey.

See Also

Other turnstile: [cf_create_turnstile_widget\(\)](#), [cf_get_turnstile_widget\(\)](#), [cf_list_turnstile_widgets\(\)](#)

Examples

```
cf_delete_turnstile_widget("abc123", "0x4AAA...")
```

cf_dns_queries	<i>Daily DNS query counts for a zone</i>
----------------	--

Description

Wraps the Cloudflare GraphQL dnsAnalyticsAdaptiveGroups node, grouped by day. Returns a tidy data.frame.

Usage

```
cf_dns_queries(
  zone_id,
  since,
  until,
  limit = 100L,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier (zoneTag in GraphQL).
since, until	Date or POSIXct. Half-open [since, until).
limit	Maximum number of rows. Cloudflare caps the underlying query at 10000.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Details

Requires an API token with the Account Analytics: Read (or Zone Analytics: Read) permission. The legacy Global API Key has full access.

Value

A data.frame with columns date (chr) and queries (int).

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_dns_queries(  
  "abc123",  
  since = Sys.Date() - 7,  
  until = Sys.Date()  
)
```

cf_email	<i>Cloudflare account email (legacy auth)</i>
----------	---

Description

Reads the account email used together with [cf_api_key\(\)](#) for Cloudflare's legacy Global API Key authentication. Defaults to `Sys.getenv("CLOUDFLARE_EMAIL")`.

Usage

```
cf_email(email = NULL)
```

Arguments

email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
-------	--

Value

A character scalar with the email address.

See Also

Other authentication: [cf_api_key\(\)](#), [cf_auth_mode\(\)](#), [cf_has_auth\(\)](#), [cf_sitrep\(\)](#), [cf_token\(\)](#), [cf_verify\(\)](#)

Examples

```
withr::with_envvar(  
  c(CLOUDFLARE_EMAIL = "you@example.com"),  
  cf_email()  
)
```

cf_firewall_events_by_day

Daily firewall event counts for a zone

Description

Wraps the Cloudflare GraphQL firewallEventsAdaptiveGroups node, grouped by day. Returns a tidy data.frame with one row per day.

Usage

```
cf_firewall_events_by_day(
  zone_id,
  since,
  until,
  limit = 100L,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier (zoneTag in GraphQL).
since, until	Date or POSIXct. Half-open [since, until).
limit	Maximum number of rows. Cloudflare caps the underlying query at 10000.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Details

Requires:

- A Cloudflare **Pro, Business, or Enterprise** plan – the underlying GraphQL node is not available on the Free plan.
- An API token with Account Analytics: Read (or Zone Analytics: Read) permission, or the legacy Global API Key.

Either condition unmet produces a zone ... does not have access to the path error.

Value

A data.frame with columns date (chr) and events (int).

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_firewall_events_by_day(  
  "abc123",  
  since = Sys.Date() - 30,  
  until = Sys.Date()  
)
```

cf_firewall_events_top	<i>Top firewall events for a zone by a chosen dimension</i>
------------------------	---

Description

Groups firewallEventsAdaptiveGroups by a single dimension and returns the top entries by count.

Usage

```
cf_firewall_events_top(  
  zone_id,  
  since,  
  until,  
  dimension = "action",  
  limit = 25L,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier (zoneTag in GraphQL).
since, until	Date or POSIXct. Half-open [since, until).
dimension	Character. Dimension name to group by. Common choices: "action" (block, challenge, ...), "source" (WAF, firewall rules, security level, ...), "ruleId", "clientCountryName", "clientRequestPath", "clientRequestHTTPHost", "userAgent". Must be a single field name (letters, digits, underscores; not starting with a digit) and cannot be "events", which names the metric column.

limit	Number of rows to return.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame with two columns: the requested dimension and events (the event count).

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_firewall_events_top(
  "abc123",
  since = Sys.Date() - 7,
  until = Sys.Date(),
  dimension = "action",
  limit = 10
)
```

cf_get_account	<i>Get a single account</i>
----------------	-----------------------------

Description

Get a single account

Usage

```
cf_get_account(account_id, token = NULL, email = NULL, api_key = NULL)
```

Arguments

account_id	Character. Cloudflare account identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list describing the account.

See Also

Other accounts: [cf_list_accounts\(\)](#)

Examples

```
cf_get_account("abc123")
```

```
cf_get_account_ruleset
```

Get a single account Ruleset (with its rules)

Description

Get a single account Ruleset (with its rules)

Usage

```
cf_get_account_ruleset(  
  account_id,  
  ruleset_id,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
ruleset_id	Character. Ruleset identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list describing the ruleset; its `rules` element is itself a list of rule objects.

See Also

Other rulesets: [cf_get_ruleset\(\)](#), [cf_list_account_rulesets\(\)](#), [cf_list_rulesets\(\)](#)

Examples

```
cf_get_account_ruleset("acc-1", "rs-1")
```

```
cf_get_certificate_pack
```

Get a single SSL certificate pack

Description

Get a single SSL certificate pack

Usage

```
cf_get_certificate_pack(
  zone_id,
  pack_id,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
pack_id	Character. Certificate pack identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the certificate pack.

See Also

Other ssl: [cf_create_custom_hostname\(\)](#), [cf_delete_custom_hostname\(\)](#), [cf_get_custom_hostname\(\)](#), [cf_list_certificate_packs\(\)](#), [cf_list_custom_hostnames\(\)](#)

Examples

```
## Not run:
cf_get_certificate_pack("zone-1", "pack-1")

## End(Not run)
```

cf_get_custom_hostname

Get a single custom hostname

Description

Get a single custom hostname

Usage

```
cf_get_custom_hostname(
  zone_id,
  custom_hostname_id,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
custom_hostname_id	Character. Custom hostname identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the custom hostname.

See Also

Other ssl: [cf_create_custom_hostname\(\)](#), [cf_delete_custom_hostname\(\)](#), [cf_get_certificate_pack\(\)](#), [cf_list_certificate_packs\(\)](#), [cf_list_custom_hostnames\(\)](#)

Examples

```
## Not run:
cf_get_custom_hostname("zone-1", "ch-1")

## End(Not run)
```

cf_get_d1_database	<i>Get a single D1 database</i>
--------------------	---------------------------------

Description

Get a single D1 database

Usage

```
cf_get_d1_database(
  account_id,
  database_id,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
database_id	Character. D1 database uuid.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list describing the database.

See Also

Other d1: [cf_create_d1_database\(\)](#), [cf_d1_query\(\)](#), [cf_delete_d1_database\(\)](#), [cf_list_d1_databases\(\)](#)

Examples

```
## Not run:
cf_get_d1_database("acc-1", "db-1")

## End(Not run)
```

cf_get_dns_record	<i>Get a single DNS record</i>
-------------------	--------------------------------

Description

Get a single DNS record

Usage

```
cf_get_dns_record(
  zone_id,
  record_id,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
record_id	Character. DNS record identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list describing the record.

See Also

Other dns: [cf_create_dns_record\(\)](#), [cf_delete_dns_record\(\)](#), [cf_list_dns_records\(\)](#), [cf_update_dns_record\(\)](#)

Examples

```
cf_get_dns_record("zone-1", "rec-1")
```

```
cf_get_email_routing_settings
```

Email Routing settings for a zone

Description

Returns the current Email Routing configuration for the zone: enabled/disabled, SPF/MX status, last-modified timestamps.

Usage

```
cf_get_email_routing_settings(  
  zone_id,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list with the routing settings.

See Also

Other email: [cf_list_email_routing_addresses\(\)](#), [cf_list_email_routing_rules\(\)](#)

Examples

```
cf_get_email_routing_settings("abc123")
```

cf_get_healthcheck	<i>Get a single healthcheck</i>
--------------------	---------------------------------

Description

Get a single healthcheck

Usage

```
cf_get_healthcheck(  
  zone_id,  
  healthcheck_id,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
healthcheck_id	Character. Healthcheck identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the healthcheck.

See Also

Other healthchecks: [cf_create_healthcheck\(\)](#), [cf_delete_healthcheck\(\)](#), [cf_list_healthchecks\(\)](#), [cf_update_healthcheck\(\)](#)

Examples

```
## Not run:
cf_get_healthcheck("zone-1", "hc-1")

## End(Not run)
```

cf_get_kv_namespace	<i>Get a single Workers KV namespace</i>
---------------------	--

Description

Get a single Workers KV namespace

Usage

```
cf_get_kv_namespace(
  account_id,
  namespace_id,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the namespace.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_get_kv_namespace("abc123", "ns-1")
```

cf_get_kv_value	<i>Read a value from a Workers KV namespace</i>
-----------------	---

Description

Unlike most Cloudflare endpoints, this one returns the raw stored value rather than a JSON envelope, so the result is not passed through [cf_resp\(\)](#).

Usage

```
cf_get_kv_value(
  account_id,
  namespace_id,
  key_name,
  as = c("text", "raw"),
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
key_name	Character. Key to read.
as	Character. "text" (the default) returns the value as a string via httr2::resp_body_string() ; "raw" returns the raw bytes via httr2::resp_body_raw() , useful for binary values.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A character string, or a raw vector when `as = "raw"`.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_get_kv_value("abc123", "ns-1", "greeting")
```

cf_get_page_rule	<i>Get a single Page Rule</i>
------------------	-------------------------------

Description

Get a single Page Rule

Usage

```
cf_get_page_rule(zone_id, rule_id, token = NULL, email = NULL, api_key = NULL)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
rule_id	Character. Page Rule identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the rule, including its targets and actions.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_get_page_rule("abc123", "rule-1")
```

`cf_get_pages_project` *Get a single Cloudflare Pages project*

Description

Get a single Cloudflare Pages project

Usage

```
cf_get_pages_project(
  account_id,
  project_name,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
project_name	Character. Pages project name.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list describing the project, including build config, domains, and the latest deployment.

See Also

Other pages: [cf_list_pages_deployments\(\)](#), [cf_list_pages_projects\(\)](#)

Examples

```
cf_get_pages_project("abc123", "my-site")
```

cf_get_r2_bucket	<i>Get a single R2 bucket</i>
------------------	-------------------------------

Description

Get a single R2 bucket

Usage

```
cf_get_r2_bucket(  
  account_id,  
  bucket_name,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
bucket_name	Character. R2 bucket name.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the bucket.

See Also

Other r2: [cf_list_r2_buckets\(\)](#)

Examples

```
cf_get_r2_bucket("abc123", "my-bucket")
```

cf_get_ruleset	<i>Get a single zone Ruleset (with its rules)</i>
----------------	---

Description

Get a single zone Ruleset (with its rules)

Usage

```
cf_get_ruleset(zone_id, ruleset_id, token = NULL, email = NULL, api_key = NULL)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
ruleset_id	Character. Ruleset identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the ruleset; its rules element is itself a list of rule objects.

See Also

Other rulesets: [cf_get_account_ruleset\(\)](#), [cf_list_account_rulesets\(\)](#), [cf_list_rulesets\(\)](#)

Examples

```
cf_get_ruleset("abc123", "rs-1")
```

cf_get_rum_site

Get a single Web Analytics (RUM) site

Description

Get a single Web Analytics (RUM) site

Usage

```
cf_get_rum_site(
  account_id,
  site_tag,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
site_tag	Character. RUM site tag (sometimes called "site identifier").
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the site.

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_get_rum_site("acc-1", "abc-tag")
```

cf_get_tunnel	<i>Get a single Cloudflare Tunnel</i>
---------------	---------------------------------------

Description

Get a single Cloudflare Tunnel

Usage

```
cf_get_tunnel(  
  account_id,  
  tunnel_id,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
tunnel_id	Character. Tunnel identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the tunnel.

See Also

Other tunnels: [cf_list_tunnel_connections\(\)](#), [cf_list_tunnels\(\)](#)

Examples

```
cf_get_tunnel("abc123", "tunnel-1")
```

```
cf_get_turnstile_widget
```

Get a single Turnstile widget

Description

Get a single Turnstile widget

Usage

```
cf_get_turnstile_widget(  
    account_id,  
    sitekey,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
sitekey	Character. Widget sitekey.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the widget.

See Also

Other turnstile: [cf_create_turnstile_widget\(\)](#), [cf_delete_turnstile_widget\(\)](#), [cf_list_turnstile_widgets\(\)](#)

Examples

```
cf_get_turnstile_widget("abc123", "0x4AAA...")
```

`cf_get_workers_script` *Get metadata for a single Workers script*

Description

Returns the script's metadata (placement, bindings, etc.). To fetch the actual source, use the API's `/workers/scripts/{name}/content` endpoint via [cf_request\(\)](#).

Usage

```
cf_get_workers_script(
  account_id,
  script_name,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

<code>account_id</code>	Character. Cloudflare account identifier.
<code>script_name</code>	Character. Worker script name.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list with the script metadata.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_get_workers_script("abc123", "my-worker")
```

cf_get_zone	<i>Get a single zone</i>
-------------	--------------------------

Description

Get a single zone

Usage

```
cf_get_zone(zone_id, token = NULL, email = NULL, api_key = NULL)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the zone.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_get_zone("abc123")
```

cf_get_zone_setting	<i>Get a single zone setting</i>
---------------------	----------------------------------

Description

Get a single zone setting

Usage

```
cf_get_zone_setting(  
    zone_id,  
    setting,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
setting	Character. Setting name (for example "ssl", "cache_level", "security_level").
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list with the setting's id, value, modified_on, and editability flags.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_get_zone_setting("abc123", "ssl")
```

cf_get_zone_settings *Get zone settings*

Description

Returns the full settings catalogue for a zone (cache level, SSL mode, minify, security level, ...).
One row per setting.

Usage

```
cf_get_zone_settings(
  zone_id,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of settings (or list when `as_df = FALSE`).

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_get_zone_settings("abc123")
```

cf_graphql

*Run a Cloudflare GraphQL Analytics query***Description**

Cloudflare's **Analytics GraphQL API** exposes most current and historical analytics datasets (HTTP requests, DNS, firewall, Workers, R2, etc.) behind a single endpoint: POST /graphql. The response shape is the standard GraphQL {data, errors} envelope, not Cloudflare's REST envelope, so this function is a separate path from `cf_request()`.

Usage

```
cf_graphql(
  query,
  ...,
  .operation_name = NULL,
  .token = NULL,
  .email = NULL,
  .api_key = NULL,
  .envir = parent.frame()
)
```

Arguments

<code>query</code>	Character. A GraphQL query string.
<code>...</code>	Named GraphQL variables. For example <code>cf_graphql(query, zoneTag = "abc", limit = 10)</code> .
<code>.operation_name</code>	Optional operation name when the query contains multiple operations.
<code>.token</code> , <code>.email</code> , <code>.api_key</code>	Optional per-call credentials. Dot-prefixed to avoid clashing with GraphQL variable names. See <code>cf_token()</code> , <code>cf_email()</code> , <code>cf_api_key()</code> .
<code>.envir</code>	Environment for error reporting. Defaults to the caller, so error messages point at the user's code.

Details

Variables are passed through `...` as named arguments, the same pattern used by the `meetupr` package. All values must be named; an unnamed value raises an error before the request is made.

Value

The parsed response body, including data and (when present) extensions. Any non-empty errors array raises a classed `cloudflarer_error`.

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
res <- cf_graphql(
  "query Viewer($accountTag: String!) {
    viewer {
      accounts(filter: { accountTag: $accountTag }) {
        accountTag
      }
    }
  }",
  accountTag = "abc123"
)
res$data$viewer$accounts

res <- cf_graphql(
  "
  query ZoneRequests($zoneTag: String!, $since: Date!, $until: Date!) {
    viewer {
      zones(filter: { zoneTag: $zoneTag }) {
        httpRequestsIdGroups(
          limit: 100,
          filter: { date_geq: $since, date_lt: $until }
        ) {
          dimensions { date }
          sum { requests bytes pageViews }
          uniq { uniques }
        }
      }
    }
  }",
  zoneTag = "abc123",
  since = "2026-05-01",
  until = "2026-05-08"
)
```

cf_has_auth

Check whether any Cloudflare credentials are configured

Description

Returns TRUE when [cf_auth_mode\(\)](#) returns a non-NA value. Useful in examples, vignettes, and conditional test code.

Usage

```
cf_has_auth()
```

Value

Logical scalar.

See Also

Other authentication: [cf_api_key\(\)](#), [cf_auth_mode\(\)](#), [cf_email\(\)](#), [cf_sitrep\(\)](#), [cf_token\(\)](#), [cf_verify\(\)](#)

Examples

```
cf_has_auth()
```

```
cf_list_account_rulesets
```

List Rulesets for an account

Description

Returns the rulesets configured at the account level (typically the curated managed rulesets you can deploy with overrides).

Usage

```
cf_list_account_rulesets(
  account_id,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of rulesets (or list when as_df = FALSE).

See Also

Other rulesets: [cf_get_account_ruleset\(\)](#), [cf_get_ruleset\(\)](#), [cf_list_rulesets\(\)](#)

Examples

```
cf_list_account_rulesets("acc-1")
```

cf_list_accounts	List accounts
------------------	---------------

Description

Lists all accounts the authenticated user has access to.

Usage

```
cf_list_accounts(  
  name = NULL,  
  per_page = 50,  
  max_pages = Inf,  
  as_df = TRUE,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

name	Optional name filter passed to the API.
per_page	Page size, see cf_collect() .
max_pages	Maximum number of pages to retrieve, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE to get the raw nested list.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of account records (or a list when as_df = FALSE).

See Also

Other accounts: [cf_get_account\(\)](#)

Examples

```
cf_list_accounts()
```

cf_list_certificate_packs
<i>List SSL certificate packs in a zone</i>

Description

Returns the SSL certificate packs (universal, advanced, custom) issued for the zone.

Usage

```
cf_list_certificate_packs(  
  zone_id,  
  status = NULL,  
  per_page = 50,  
  max_pages = Inf,  
  as_df = TRUE,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
status	Optional status filter, for example "active" or "pending_validation".
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of certificate pack records (or list when as_df = FALSE).

See Also

Other ssl: [cf_create_custom_hostname\(\)](#), [cf_delete_custom_hostname\(\)](#), [cf_get_certificate_pack\(\)](#), [cf_get_custom_hostname\(\)](#), [cf_list_custom_hostnames\(\)](#)

Examples

```
## Not run:
cf_list_certificate_packs("zone-1")
cf_list_certificate_packs("zone-1", status = "active")

## End(Not run)
```

```
cf_list_custom_hostnames
```

List custom hostnames in a zone

Description

Returns the SSL-for-SaaS custom hostnames attached to the zone.

Usage

```
cf_list_custom_hostnames(
  zone_id,
  hostname = NULL,
  ssl = NULL,
  per_page = 50,
  max_pages = Inf,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
hostname	Optional hostname filter (substring match).
ssl	Optional SSL status filter (e.g. "active", "pending_validation").
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .

token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A data.frame of custom hostname records (or list when `as_df = FALSE`).

See Also

Other ssl: [cf_create_custom_hostname\(\)](#), [cf_delete_custom_hostname\(\)](#), [cf_get_certificate_pack\(\)](#), [cf_get_custom_hostname\(\)](#), [cf_list_certificate_packs\(\)](#)

Examples

```
## Not run:
cf_list_custom_hostnames("zone-1")

## End(Not run)
```

cf_list_d1_databases *List D1 databases in an account*

Description

Returns the D1 (serverless SQL) databases for the account.

Usage

```
cf_list_d1_databases(
  account_id,
  name = NULL,
  per_page = 50,
  max_pages = Inf,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
name	Optional name filter (substring match).
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of D1 database records (or list when `as_df = FALSE`).

See Also

Other d1: [cf_create_d1_database\(\)](#), [cf_d1_query\(\)](#), [cf_delete_d1_database\(\)](#), [cf_get_d1_database\(\)](#)

Examples

```
## Not run:
cf_list_d1_databases("acc-1")

## End(Not run)
```

cf_list_dns_records	<i>List DNS records in a zone</i>
---------------------	-----------------------------------

Description

List DNS records in a zone

Usage

```
cf_list_dns_records(
  zone_id,
  type = NULL,
  name = NULL,
  per_page = 50,
  max_pages = Inf,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
type	Optional record type filter, for example "A" or "CNAME".
name	Optional record name filter.
per_page	Page size, see cf_collect() .
max_pages	Maximum pages to retrieve, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of DNS records (or list when as_df = FALSE).

See Also

Other dns: [cf_create_dns_record\(\)](#), [cf_delete_dns_record\(\)](#), [cf_get_dns_record\(\)](#), [cf_update_dns_record\(\)](#)

Examples

```
cf_list_dns_records("abc123")
cf_list_dns_records("abc123", type = "A")
```

cf_list_email_routing_addresses
<i>List Email Routing destination addresses</i>

Description

Returns the verified destination addresses available for routing in the account. Destinations are account-scoped, not zone-scoped, because the same destination can be used across multiple routed zones.

Usage

```
cf_list_email_routing_addresses(  
  account_id,  
  verified_only = FALSE,  
  per_page = 50,  
  max_pages = Inf,  
  as_df = TRUE,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
verified_only	Logical. When TRUE, asks the API to return only verified addresses.
per_page, max_pages	Pagination controls.
as_df	Logical. See cf_list_email_routing_rules() .
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of destination addresses (or list when `as_df = FALSE`).

See Also

Other email: [cf_get_email_routing_settings\(\)](#), [cf_list_email_routing_rules\(\)](#)

Examples

```
cf_list_email_routing_addresses("abc123")
```

`cf_list_email_routing_rules`
List Email Routing rules for a zone

Description

Returns the address-matching rules that decide how incoming emails are forwarded.

Usage

```
cf_list_email_routing_rules(
    zone_id,
    enabled_only = FALSE,
    per_page = 50,
    max_pages = Inf,
    as_df = TRUE,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier.
<code>enabled_only</code>	Logical. When TRUE, asks the API to return only enabled rules.
<code>per_page, max_pages</code>	Pagination controls, see cf_collect() .
<code>as_df</code>	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A data.frame of routing rules (or list when `as_df = FALSE`).

See Also

Other email: [cf_get_email_routing_settings\(\)](#), [cf_list_email_routing_addresses\(\)](#)

Examples

```
cf_list_email_routing_rules("abc123")
```

```
cf_list_firewall_rules
```

List firewall rules for a zone

Description

Returns the firewall rules (expression-based custom rules) configured for the zone. This is the classic firewall-rules endpoint; for the newer Rulesets API use [cf_request\(\)](#) against `/zones/{id}/rulesets`.

Usage

```
cf_list_firewall_rules(
    zone_id,
    per_page = 50,
    max_pages = Inf,
    as_df = TRUE,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier.
<code>per_page, max_pages</code>	Pagination controls, see cf_collect() .
<code>as_df</code>	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A data.frame of firewall rules (or list when `as_df = FALSE`). Each rule's filter nested object becomes a list-column.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_list_firewall_rules("abc123")
```

cf_list_healthchecks *List standalone healthchecks in a zone*

Description

Returns the standalone Healthchecks configured in the zone. These are separate from load-balancer pool monitors.

Usage

```
cf_list_healthchecks(
    zone_id,
    per_page = 50,
    max_pages = Inf,
    as_df = TRUE,
    token = NULL,
    email = NULL,
    api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of healthcheck records (or list when as_df = FALSE).

See Also

Other healthchecks: [cf_create_healthcheck\(\)](#), [cf_delete_healthcheck\(\)](#), [cf_get_healthcheck\(\)](#), [cf_update_healthcheck\(\)](#)

Examples

```
## Not run:
cf_list_healthchecks("zone-1")

## End(Not run)
```

cf_list_kv_keys	<i>List the keys in a Workers KV namespace</i>
-----------------	--

Description

Walks the namespace's cursor-paginated keys endpoint and concatenates every page into a single result. Unlike the offset-paginated list endpoints wrapped by [cf_collect\(\)](#), Cloudflare paginates KV keys with an opaque cursor, so this wrapper keeps its own loop instead.

Usage

```
cf_list_kv_keys(
  account_id,
  namespace_id,
  prefix = NULL,
  limit = 1000,
  max_pages = Inf,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
prefix	Optional character. Restrict results to keys starting with this prefix.
limit	Integer. Page size, between 10 and 1000.
max_pages	Optional integer. Stop after collecting this many pages. Inf (the default) collects every key.

as_df	Logical. When TRUE (the default), returns a data.frame via <code>cf_records_to_df()</code> . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of key records (or list when `as_df = FALSE`), each with name, expiration, and metadata (when set).

See Also

Other workers: `cf_create_kv_namespace()`, `cf_delete_kv_namespace()`, `cf_delete_kv_value()`, `cf_delete_kv_values()`, `cf_get_kv_namespace()`, `cf_get_kv_value()`, `cf_get_workers_script()`, `cf_list_kv_namespaces()`, `cf_list_workers_scripts()`, `cf_put_kv_value()`, `cf_put_kv_values()`, `cf_rename_kv_namespace()`, `cf_workers_invocations()`

Examples

```
cf_list_kv_keys("abc123", "ns-1")
```

`cf_list_kv_namespaces` *List Workers KV namespaces*

Description

Returns the KV namespaces in the supplied account.

Usage

```
cf_list_kv_namespaces(
  account_id,
  per_page = 50,
  max_pages = Inf,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of KV namespace records (or list when `as_df = FALSE`).

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_list_kv_namespaces("abc123")
```

cf_list_page_rules	<i>List Page Rules for a zone</i>
--------------------	-----------------------------------

Description

Returns the Page Rules configured for a zone (URL-pattern based overrides for cache, SSL, security, redirects, etc.).

Usage

```
cf_list_page_rules(
  zone_id,
  status = NULL,
  order = NULL,
  direction = NULL,
```

```

    as_df = TRUE,
    token = NULL,
    email = NULL,
    api_key = NULL
  )

```

Arguments

zone_id	Character. Cloudflare zone identifier.
status	Optional status filter ("active" or "disabled").
order	Optional ordering, see the Cloudflare API reference. For example "priority" or "status".
direction	Optional sort direction, "asc" or "desc".
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of page rules (or list when `as_df = FALSE`). Each rule's targets and actions are kept as list-columns because they are themselves arrays of nested objects.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_list_page_rules("abc123")
```

`cf_list_pages_deployments`*List deployments for a Pages project*

Description

Returns the recent deployments (build history) for a Pages project, ordered by date descending.

Usage

```
cf_list_pages_deployments(  
    account_id,  
    project_name,  
    per_page = 25,  
    max_pages = Inf,  
    as_df = TRUE,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

<code>account_id</code>	Character. Cloudflare account identifier.
<code>project_name</code>	Character. Pages project name.
<code>per_page, max_pages</code>	Pagination controls.
<code>as_df</code>	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A data.frame of deployment records (or list when `as_df = FALSE`).

See Also

Other pages: [cf_get_pages_project\(\)](#), [cf_list_pages_projects\(\)](#)

Examples

```
cf_list_pages_deployments("abc123", "my-site")
```

```
cf_list_pages_projects
```

List Cloudflare Pages projects

Description

Returns the Pages projects in the supplied account. The Pages projects endpoint does not accept pagination parameters (unlike most other Cloudflare list endpoints) and returns every project in a single call.

Usage

```
cf_list_pages_projects(  
    account_id,  
    as_df = TRUE,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of Pages projects (or list when `as_df = FALSE`).

See Also

Other pages: [cf_get_pages_project\(\)](#), [cf_list_pages_deployments\(\)](#)

Examples

```
cf_list_pages_projects("abc123")
```

cf_list_r2_buckets	List R2 buckets in an account
--------------------	-------------------------------

Description

Returns the R2 object-storage buckets in the supplied account.

Usage

```
cf_list_r2_buckets(  
  account_id,  
  as_df = TRUE,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of bucket records (or list when as_df = FALSE).

See Also

Other r2: [cf_get_r2_bucket\(\)](#)

Examples

```
cf_list_r2_buckets("abc123")
```

cf_list_rulesets	List Rulesets for a zone
------------------	--------------------------

Description

Returns the rulesets configured at the zone level. The Rulesets API is Cloudflare’s modern, unified surface for firewall rules, request transforms, cache rules, rate limits, redirects, and more.

Usage

```
cf_list_rulesets(  
  zone_id,  
  as_df = TRUE,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of rulesets (or list when as_df = FALSE).

See Also

Other rulesets: [cf_get_account_ruleset\(\)](#), [cf_get_ruleset\(\)](#), [cf_list_account_rulesets\(\)](#)

Examples

```
cf_list_rulesets("abc123")
```

cf_list_rum_sites	<i>List Web Analytics (RUM) sites</i>
-------------------	---------------------------------------

Description

Lists sites configured with the Cloudflare Web Analytics beacon in the supplied account. Web Analytics works on any site that includes the beacon snippet, whether or not the site is proxied through Cloudflare.

Usage

```
cf_list_rum_sites(
  account_id,
  order_by = NULL,
  per_page = 50,
  max_pages = Inf,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
order_by	Optional column name to sort by, for example "created" or "host".
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE to get the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of site records (or list when `as_df = FALSE`).

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_list_rum_sites("acc-1")
```

```
cf_list_tunnel_connections
```

List active connections for a Cloudflare Tunnel

Description

Returns the currently-connected cloudflared instances for the tunnel.

Usage

```
cf_list_tunnel_connections(
  account_id,
  tunnel_id,
  as_df = TRUE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
tunnel_id	Character. Tunnel identifier.
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of connection records (or list when `as_df = FALSE`).

See Also

Other tunnels: [cf_get_tunnel\(\)](#), [cf_list_tunnels\(\)](#)

Examples

```
cf_list_tunnel_connections("abc123", "tunnel-1")
```

cf_list_tunnels	<i>List Cloudflare Tunnels</i>
-----------------	--------------------------------

Description

Returns the cloudflared tunnels (Zero Trust) configured in the supplied account.

Usage

```
cf_list_tunnels(  
    account_id,  
    is_deleted = FALSE,  
    per_page = 50,  
    max_pages = Inf,  
    as_df = TRUE,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
is_deleted	Logical. When TRUE, include deleted tunnels.
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() .
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of tunnel records (or list when `as_df = FALSE`).

See Also

Other tunnels: [cf_get_tunnel\(\)](#), [cf_list_tunnel_connections\(\)](#)

Examples

```
cf_list_tunnels("abc123")
```

```
cf_list_turnstile_widgets
```

List Turnstile widgets

Description

Lists the Turnstile (Cloudflare's CAPTCHA replacement) widgets configured in an account.

Usage

```
cf_list_turnstile_widgets(  
    account_id,  
    per_page = 25,  
    max_pages = Inf,  
    as_df = TRUE,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
per_page, max_pages	Pagination controls, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of widget records (or list when `as_df = FALSE`).

See Also

Other turnstile: [cf_create_turnstile_widget\(\)](#), [cf_delete_turnstile_widget\(\)](#), [cf_get_turnstile_widget\(\)](#)

Examples

```
cf_list_turnstile_widgets("abc123")
```

```
cf_list_workers_scripts
```

List Workers scripts in an account

Description

Returns the Workers scripts deployed in the supplied account.

Usage

```
cf_list_workers_scripts(  
    account_id,  
    as_df = TRUE,  
    token = NULL,  
    email = NULL,  
    api_key = NULL  
)
```

Arguments

account_id	Character. Cloudflare account identifier.
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of Workers script records (or list when `as_df = FALSE`).

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_list_workers_scripts("abc123")
```

cf_list_zones	List zones
---------------	------------

Description

Lists the zones (domains) accessible to the authenticated credential.

Usage

```
cf_list_zones(  
  name = NULL,  
  status = NULL,  
  account_id = NULL,  
  per_page = 50,  
  max_pages = Inf,  
  as_df = TRUE,  
  token = NULL,  
  email = NULL,  
  api_key = NULL  
)
```

Arguments

name	Optional zone name to filter by.
status	Optional status filter (for example "active").
account_id	Optional account identifier to scope the listing.
per_page	Page size, see cf_collect() .
max_pages	Maximum pages to retrieve, see cf_collect() .
as_df	Logical. When TRUE (the default), returns a data.frame via cf_records_to_df() . Set to FALSE for the raw nested list.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.

email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame of zone records (or a list when as_df = FALSE).

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_page_rule_action\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_list_zones()
cf_list_zones(name = "example.com")
```

cf_page_rule_action	<i>Build a Page Rule action</i>
---------------------	---------------------------------

Description

Produces the nested list that the Cloudflare API expects for a single Page Rule action. Use it inside an actions = list(...) argument to [cf_create_page_rule\(\)](#) or [cf_update_page_rule\(\)](#).

Usage

```
cf_page_rule_action(id, value)
```

Arguments

id	Character. The action name (Cloudflare's "setting" identifier).
value	The value to set. For most actions this is a character or integer scalar; some (for example "forwarding_url") expect a nested list.

Details

Common id values: "cache_level", "edge_cache_ttl", "browser_cache_ttl", "always_use_https", "security_level", "ssl", "forwarding_url".

Value

A named list ready to splice into actions.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_target\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_page_rule_action("cache_level", "cache_everything")
cf_page_rule_action("edge_cache_ttl", 7200)
cf_page_rule_action(
    "forwarding_url",
    list(url = "https://example.com/$1", status_code = 301)
)
```

cf_page_rule_target	<i>Build a Page Rule URL-match target</i>
---------------------	---

Description

Produces the nested list that the Cloudflare API expects for the most common Page Rule target: a URL pattern with matches semantics (asterisks act as wildcards). Use it inside a `targets = list(...)` argument to [cf_create_page_rule\(\)](#).

Usage

```
cf_page_rule_target(url_pattern)
```

Arguments

`url_pattern` Character. The URL pattern, for example `"*example.com/blog/*"`.

Value

A named list ready to splice into targets.

See Also

Other zones: [cf_create_page_rule\(\)](#), [cf_delete_page_rule\(\)](#), [cf_get_page_rule\(\)](#), [cf_get_zone\(\)](#), [cf_get_zone_setting\(\)](#), [cf_get_zone_settings\(\)](#), [cf_list_firewall_rules\(\)](#), [cf_list_page_rules\(\)](#), [cf_list_zones\(\)](#), [cf_page_rule_action\(\)](#), [cf_update_page_rule\(\)](#)

Examples

```
cf_page_rule_target("*example.com/blog/*")
```

cf_purge_cache	<i>Purge zone cache</i>
----------------	-------------------------

Description

Tells Cloudflare to drop cached content for a zone. Pass one of the targeted-purge arguments to scope the purge, or set `purge_everything = TRUE` to wipe the entire zone cache.

Usage

```
cf_purge_cache(
  zone_id,
  files = NULL,
  hosts = NULL,
  prefixes = NULL,
  tags = NULL,
  purge_everything = FALSE,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier.
<code>files</code>	Optional character vector of URLs (or list of <code>list(url = ..., headers = ...)</code> for advanced purges with custom request headers).
<code>hosts</code>	Optional character vector of hostnames whose cached content should be invalidated.
<code>prefixes</code>	Optional character vector of URL prefixes (without scheme) to invalidate, e.g. "example.com/blog".
<code>tags</code>	Optional character vector of cache tags (Enterprise plan).
<code>purge_everything</code>	Logical. When TRUE, ignores the targeted arguments and purges the entire zone cache.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Details

Targeted purges are strictly preferred to wipes because cache wipes can briefly increase origin load. Cloudflare also rate limits the wipe endpoint per zone.

Value

A named list with the purge job id.

Examples

```
cf_purge_cache("abc123", files = c(
  "https://example.com/index.html",
  "https://example.com/style.css"
))

cf_purge_cache("abc123", purge_everything = TRUE)
```

cf_put_kv_value	<i>Write a value to a Workers KV namespace</i>
-----------------	--

Description

Write a value to a Workers KV namespace

Usage

```
cf_put_kv_value(
  account_id,
  namespace_id,
  key_name,
  value,
  expiration = NULL,
  expiration_ttl = NULL,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
key_name	Character. Key to read.
value	Character string or raw vector. The value to store.
expiration	Optional integer. Absolute expiration time as a Unix timestamp (seconds).
expiration_ttl	Optional integer. Expiration in seconds from now (minimum 60).
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.

email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

TRUE, invisibly, on success.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_put_kv_value("abc123", "ns-1", "greeting", "hello world")
```

cf_put_kv_values	<i>Write multiple key-value pairs to a Workers KV namespace</i>
------------------	---

Description

Write multiple key-value pairs to a Workers KV namespace

Usage

```
cf_put_kv_values(
  account_id,
  namespace_id,
  values,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
values	A list of entries, each a named list with a key and value element, and optionally expiration, expiration_ttl, metadata, or base64 (see the Cloudflare API docs for the bulk write endpoint). Up to 10,000 entries per call.

token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list with successful_key_count and unsuccessful_keys.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_rename_kv_namespace\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_put_kv_values(  
  "abc123",  
  "ns-1",  
  list(  
    list(key = "greeting", value = "hello"),  
    list(key = "farewell", value = "bye", expiration_ttl = 3600)  
  )  
)
```

cf_records_to_df	<i>Convert a list of Cloudflare records to a data.frame</i>
------------------	---

Description

Helper that takes a list of named records (typically the result array from a Cloudflare REST endpoint) and returns a data.frame with one row per record. Scalar fields become typed columns; vector- or object-valued fields become list-columns.

Usage

```
cf_records_to_df(records)
```

Arguments

records	A list of named lists with broadly consistent field names. Missing fields become NA.
---------	--

Value

A data.frame with one row per record and columns named by the union of field names. Empty input returns an empty data.frame.

Examples

```
records <- list(
  list(id = "a", name = "alpha", tags = c("x", "y")),
  list(id = "b", name = "beta", tags = character(0))
)
cf_records_to_df(records)
```

```
cf_rename_kv_namespace
```

Rename a Workers KV namespace

Description

Rename a Workers KV namespace

Usage

```
cf_rename_kv_namespace(
  account_id,
  namespace_id,
  title,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier.
namespace_id	Character. KV namespace identifier.
title	Character. New namespace name.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A named list describing the renamed namespace.

See Also

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_workers_invocations\(\)](#)

Examples

```
cf_rename_kv_namespace("abc123", "ns-1", "sessions-v2")
```

cf_request	<i>Build an authenticated request for a Cloudflare endpoint</i>
------------	---

Description

Returns an `httr2` request with credentials, headers, and the endpoint path attached, ready to be piped through `httr2` request modifiers ([httr2::req_method\(\)](#), [httr2::req_url_query\(\)](#), [httr2::req_body_json\(\)](#)) and performed with [httr2::req_perform\(\)](#). Pair the performed response with [cf_resp\(\)](#) to un-wrap the standard Cloudflare envelope, or pipe the request into [cf_collect\(\)](#) to walk a paginated list endpoint. This is the base that every dedicated wrapper in the package builds on, and the entry point for calling any endpoint that does not yet have one.

Usage

```
cf_request(endpoint, token = NULL, email = NULL, api_key = NULL)
```

Arguments

endpoint	Path relative to the API base URL, without a leading slash. Either a single string (for example "zones" or "zones/abc123/dns_records") or a character vector of segments (c("zones", zone_id, "dns_records")); each segment is appended to the URL path via httr2::req_url_path_append() .
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

An `httr2_request`.

See Also

Other requests: [cf_collect\(\)](#), [cf_resp\(\)](#)

Examples

```
cf_request("user/tokens/verify") |>
  httr2::req_perform() |>
  cf_resp()

cf_request(c("zones", "abc123", "dns_records")) |>
  httr2::req_method("POST") |>
  httr2::req_body_json(
    list(type = "A", name = "example.com", content = "192.0.2.1")
  ) |>
  httr2::req_perform() |>
  cf_resp()

cf_request("zones") |>
  httr2::req_url_query(status = "active") |>
  cf_collect(per_page = 50)
```

 cf_resp

Unwrap the result from a Cloudflare response

Description

Validates the standard Cloudflare envelope on a performed response and returns its result payload. Typically the terminal step of a request pipeline built with [cf_request\(\)](#) and [httr2::req_perform\(\)](#).

Usage

```
cf_resp(resp)
```

Arguments

resp An `httr2_response`, typically from `cf_request(...)` |> `httr2::req_perform()`.

Details

The Cloudflare API wraps every response in an envelope with `success`, `errors`, `messages`, `result`, and (for paginated endpoints) `result_info`. API-level failures – both HTTP error statuses and envelope errors (HTTP 200 with `success: false`) – raise a classed condition you can catch with `tryCatch(..., cloudflarer_error = ...)`. Transport-level failures that never reach the API (DNS resolution, connection refused, timeout) surface as the underlying `httr2` error instead.

Value

The parsed result element from the response. For single-resource endpoints this is a named list; for collection endpoints it is a list of records.

See Also

Other requests: [cf_collect\(\)](#), [cf_request\(\)](#)

Examples

```
cf_request("user") |>
  httr2::req_perform() |>
  cf_resp()
```

cf_rum_page_views	<i>Daily page views for a Web Analytics (RUM) site</i>
-------------------	--

Description

Convenience wrapper around the GraphQL rumPageLoadEventsAdaptiveGroups node with a daily (date_DAY) dimension. Returns a tidy data.frame.

Usage

```
cf_rum_page_views(
  account_id,
  site_tag,
  since,
  until,
  limit = 100L,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier (accountTag in GraphQL).
site_tag	Character. RUM site tag, as returned by cf_list_rum_sites() .
since, until	Date or POSIXct (or pre-formatted ISO-8601 character strings). Half-open [since, until) interval.
limit	Maximum number of days to return. Cloudflare caps the underlying query at 10000.

token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame with one row per day and columns date (chr) and pageviews (int).

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_rum_page_views(  
  "acc-1",  
  site_tag = "abc",  
  since = Sys.Date() - 30,  
  until = Sys.Date()  
)
```

cf_rum_top	<i>Top dimensions for a Web Analytics (RUM) site</i>
------------	--

Description

Generic wrapper that groups RUM page-load events by a single dimension (country, path, referer, browser, OS, device type, ...) and returns the top entries by count.

Usage

```
cf_rum_top(  
  account_id,  
  site_tag,  
  since,  
  until,  
  dimension = "countryName",  
  limit = 25L,  
  token = NULL,  
  email = NULL,
```

```
    api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier (accountTag in GraphQL).
site_tag	Character. RUM site tag, as returned by cf_list_rum_sites() .
since, until	Date or POSIXct (or pre-formatted ISO-8601 character strings). Half-open [since, until) interval.
dimension	Character. A dimension name supported by rumPageloadEventsAdaptiveGroups. Common choices: "countryName", "requestPath", "referrerHost", "userAgentBrowser", "userAgentOS", "deviceType". Must be a single field name (letters, digits, underscores; not starting with a digit) and cannot be "count", which names the metric column.
limit	Number of rows to return (default 25).
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Value

A data.frame with two columns: the requested dimension and count.

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
cf_rum_top(
  "acc-1",
  site_tag = "abc",
  since = Sys.Date() - 7,
  until = Sys.Date(),
  dimension = "countryName",
  limit = 10
)
```

`cf_sitrep`*Cloudflare situation report*

Description

Prints a short summary of the package version, which auth mode is configured ([cf_auth_mode\(\)](#)), and whether the configured credentials successfully authenticate against the Cloudflare API. Use this as a first stop when debugging configuration issues.

Usage

```
cf_sitrep()
```

Value

Invisibly, a list with the diagnostic results.

See Also

Other authentication: [cf_api_key\(\)](#), [cf_auth_mode\(\)](#), [cf_email\(\)](#), [cf_has_auth\(\)](#), [cf_token\(\)](#), [cf_verify\(\)](#)

Examples

```
cf_sitrep()
```

`cf_token`*Cloudflare API token*

Description

Returns the modern Cloudflare API token. By default reads from the CLOUDFLARE_API_TOKEN environment variable. See `vignette("authentication", package = "cloudflarer")` for guidance on creating a token and storing it safely.

Usage

```
cf_token(token = NULL)
```

Arguments

<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
--------------------	---

Value

A character scalar with the API token.

See Also

Other authentication: [cf_api_key\(\)](#), [cf_auth_mode\(\)](#), [cf_email\(\)](#), [cf_has_auth\(\)](#), [cf_sitrep\(\)](#), [cf_verify\(\)](#)

Examples

```
withr::with_envvar(
  c(CLOUDFLARE_API_TOKEN = "cloudflarer-example"),
  cf_token()
)
```

cf_update_dns_record	<i>Update a DNS record</i>
----------------------	----------------------------

Description

Performs a PATCH on the record, only sending fields supplied as non-NULL. Use a PUT-style replace via [cf_request\(\)](#) if you need to overwrite the entire record.

Usage

```
cf_update_dns_record(
  zone_id,
  record_id,
  type = NULL,
  name = NULL,
  content = NULL,
  ttl = NULL,
  proxied = NULL,
  priority = NULL,
  comment = NULL,
  ...,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
record_id	Character. DNS record identifier.
type	Record type: "A", "AAAA", "CNAME", "MX", "TXT", "SRV", etc.

name	Record name (host). For the apex, pass "@" or the zone name.
content	Record content. For A/AAAA an IP address; for CNAME a hostname; for TXT the string value.
ttl	Time to live in seconds. 1 means "automatic" (Cloudflare's default).
proxied	Logical. Whether the record is proxied through Cloudflare. Applies to A/AAAA/CNAME.
priority	Integer. Required for MX records.
comment	Optional human-readable comment.
...	Additional fields forwarded to the API for record types with extra requirements (data for SRV, etc.).
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the updated record.

See Also

Other dns: [cf_create_dns_record\(\)](#), [cf_delete_dns_record\(\)](#), [cf_get_dns_record\(\)](#), [cf_list_dns_records\(\)](#)

Examples

```
cf_update_dns_record("zone-1", "rec-1", content = "192.0.2.2")
```

cf_update_healthcheck *Update a healthcheck*

Description

Performs a PATCH, sending only fields supplied as non-NULL.

Usage

```

cf_update_healthcheck(
    zone_id,
    healthcheck_id,
    name = NULL,
    address = NULL,
    type = NULL,
    check_regions = NULL,
    http_config = NULL,
    tcp_config = NULL,
    interval = NULL,
    retries = NULL,
    timeout = NULL,
    description = NULL,
    suspended = NULL,
    ...,
    token = NULL,
    email = NULL,
    api_key = NULL
)

```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier.
<code>healthcheck_id</code>	Character. Healthcheck identifier.
<code>name</code>	Display name for the healthcheck.
<code>address</code>	Hostname or IPv4/IPv6 address to monitor.
<code>type</code>	One of "HTTPS", "HTTP", or "TCP".
<code>check_regions</code>	Optional character vector of Cloudflare region codes ("WEU", "ENAM", etc.). When NULL, the API runs the check from all available regions.
<code>http_config</code>	Optional named list with HTTP/HTTPS-specific fields (path, port, method, expected_codes, expected_body, follow_redirects, allow_insecure, header).
<code>tcp_config</code>	Optional named list with TCP-specific fields (port, method).
<code>interval</code>	Polling interval in seconds.
<code>retries</code>	Number of retries before marking unhealthy.
<code>timeout</code>	Timeout per check, in seconds.
<code>description</code>	Optional human-readable description.
<code>suspended</code>	Logical. When TRUE, the check is paused.
<code>...</code>	Additional fields forwarded to the API.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the updated healthcheck.

See Also

Other healthchecks: [cf_create_healthcheck\(\)](#), [cf_delete_healthcheck\(\)](#), [cf_get_healthcheck\(\)](#), [cf_list_healthchecks\(\)](#)

Examples

```
## Not run:
cf_update_healthcheck("zone-1", "hc-1", suspended = TRUE)

## End(Not run)
```

cf_update_page_rule	<i>Update a Page Rule</i>
---------------------	---------------------------

Description

Performs a PATCH. Only supply fields you want to change. Targets and actions are full replacements when supplied.

Usage

```
cf_update_page_rule(
  zone_id,
  rule_id,
  targets = NULL,
  actions = NULL,
  priority = NULL,
  status = NULL,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

zone_id	Character. Cloudflare zone identifier.
rule_id	Character. Page Rule identifier.
targets	A list of target specifications. The simplest form is a single URL-match created by cf_page_rule_target() ; see the example below.
actions	A list of action specifications. The simplest form is a list created by cf_page_rule_action() .
priority	Integer. Higher number = applied first.
status	"active" or "disabled".

token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list describing the updated rule.

See Also

Other zones: `cf_create_page_rule()`, `cf_delete_page_rule()`, `cf_get_page_rule()`, `cf_get_zone()`, `cf_get_zone_setting()`, `cf_get_zone_settings()`, `cf_list_firewall_rules()`, `cf_list_page_rules()`, `cf_list_zones()`, `cf_page_rule_action()`, `cf_page_rule_target()`

Examples

```
cf_update_page_rule("abc123", "rule-1", status = "disabled")
```

cf_user	<i>Get the authenticated user</i>
---------	-----------------------------------

Description

Returns information about the user that owns the API token.

Usage

```
cf_user(token = NULL)
```

Arguments

token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
-------	---

Value

A named list of user fields, including `id`, `email`, `first_name`, `last_name`, and `organizations`.

Examples

```
cf_user()
```

`cf_verify`*Verify the active Cloudflare credential*

Description

For token auth, calls `/user/tokens/verify` and returns the token record. For Global API Key auth, calls `/user` and returns the user record (the verify endpoint is token-only). Either way, a successful return means the credential authenticates against the API.

Usage

```
cf_verify(token = NULL, email = NULL, api_key = NULL)
```

```
cf_token_verify(token = NULL)
```

Arguments

<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A named list. The shape depends on the auth mode.

See Also

Other authentication: [cf_api_key\(\)](#), [cf_auth_mode\(\)](#), [cf_email\(\)](#), [cf_has_auth\(\)](#), [cf_sitrep\(\)](#), [cf_token\(\)](#)

Examples

```
cf_verify()
```

 cf_workers_invocations

Workers invocations over time

Description

Wraps the Cloudflare GraphQL workersInvocationsAdaptive node to return a tidy data.frame with one row per time bin and one row per Worker script.

Usage

```
cf_workers_invocations(
  account_id,
  since,
  until,
  script_name = NULL,
  limit = 100L,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

account_id	Character. Cloudflare account identifier (accountTag in GraphQL).
since, until	Date or POSIXct. Half-open [since, until).
script_name	Optional Worker script name filter.
limit	Maximum number of rows.
token	Character. An API token. If NULL (the default), the value of Sys.getenv("CLOUDFLARE_API_TOKEN") is used.
email	Character. Account email. If NULL (the default), reads from the CLOUDFLARE_EMAIL environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the CLOUDFLARE_API_KEY environment variable.

Details

Requires an API token with Account Analytics: Read (or the legacy Global API Key).

Value

A data.frame with columns date, script, requests, errors, subrequests, duration_ms.

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_zone_overview\(\)](#), [cf_zone_requests\(\)](#)

Other workers: [cf_create_kv_namespace\(\)](#), [cf_delete_kv_namespace\(\)](#), [cf_delete_kv_value\(\)](#), [cf_delete_kv_values\(\)](#), [cf_get_kv_namespace\(\)](#), [cf_get_kv_value\(\)](#), [cf_get_workers_script\(\)](#), [cf_list_kv_keys\(\)](#), [cf_list_kv_namespaces\(\)](#), [cf_list_workers_scripts\(\)](#), [cf_put_kv_value\(\)](#), [cf_put_kv_values\(\)](#), [cf_rename_kv_namespace\(\)](#)

Examples

```
cf_workers_invocations(
  "acc-1",
  since = Sys.Date() - 7,
  until = Sys.Date()
)
```

cf_zone_overview

One-call summary of a zone's recent activity

Description

Bundles the most-used analytics endpoints into a single call and returns a named list of tidy data.frames covering traffic, cache effectiveness, DNS queries, firewall events, and (when `site_tag` is supplied) Web Analytics top countries.

Usage

```
cf_zone_overview(
  zone_id,
  since = Sys.Date() - 7,
  until = Sys.Date(),
  account_id = NULL,
  site_tag = NULL,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier.
<code>since, until</code>	Date or POSIXct. Half-open [<code>since</code> , <code>until</code>). Defaults to the last 7 days.
<code>account_id</code>	Optional account identifier. Required for the <code>top_countries</code> slot.

site_tag	Optional Web Analytics site tag. Required for the top_countries slot.
token	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
email	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
api_key	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Details

Each underlying call is wrapped in `tryCatch()`, so an individual failure (Free-plan gating, missing permission, empty data) yields NULL for that component instead of aborting the whole overview.

Value

A named list with class `cloudflarer_overview`:

- `traffic` – daily requests, bytes, page views, threats, uniques (from [cf_zone_requests\(\)](#)).
- `cache` – daily cache hit ratios (from [cf_cache_ratio\(\)](#)).
- `dns` – daily DNS query counts (from [cf_dns_queries\(\)](#)).
- `firewall` – daily firewall event counts (from [cf_firewall_events_by_day\(\)](#); Pro+ plans only).
- `top_countries` – top countries by RUM page views (from [cf_rum_top\(\)](#)); only populated when `account_id` and `site_tag` are supplied.
- `summary` – a one-row `data.frame` with the period totals.
- `zone_id`, `since`, `until` – the call's own arguments, echoed back for reference.

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_requests\(\)](#)

Examples

```
ov <- cf_zone_overview(zone_id, account_id = account_id, site_tag = site_tag)
ov$traffic
ov$summary
```

cf_zone_requests	<i>Daily or hourly HTTP request totals for a zone</i>
------------------	---

Description

Convenience wrapper around the Cloudflare GraphQL Analytics `httpRequests1dGroups` (daily) or `httpRequests1hGroups` (hourly) nodes. Returns a tidy data.frame with one row per time bin and columns for requests, bytes, page views, threats, and unique visitors.

Usage

```
cf_zone_requests(
  zone_id,
  since,
  until,
  by = c("day", "hour"),
  limit = 100L,
  token = NULL,
  email = NULL,
  api_key = NULL
)
```

Arguments

<code>zone_id</code>	Character. Cloudflare zone identifier (zoneTag in GraphQL).
<code>since, until</code>	Date or POSIXct (or pre-formatted character "YYYY-MM-DD" for <code>by = "day"</code> and "YYYY-MM-DDTHH:MM:SSZ" for <code>by = "hour"</code>). The interval is half-open [<code>since</code> , <code>until</code>).
<code>by</code>	Bin width: "day" or "hour".
<code>limit</code>	Maximum number of bins to return. Cloudflare caps the GraphQL query at 10000.
<code>token</code>	Character. An API token. If NULL (the default), the value of <code>Sys.getenv("CLOUDFLARE_API_TOKEN")</code> is used.
<code>email</code>	Character. Account email. If NULL (the default), reads from the <code>CLOUDFLARE_EMAIL</code> environment variable.
<code>api_key</code>	Character. The Global API Key. If NULL (the default), reads from the <code>CLOUDFLARE_API_KEY</code> environment variable.

Value

A data.frame with columns: `date` (chr; "YYYY-MM-DD" for daily, "YYYY-MM-DDTHH:00:00Z" for hourly), `requests`, `bytes`, `pageviews`, `threats`, `uniques`.

See Also

Other analytics: [cf_cache_ratio\(\)](#), [cf_dns_queries\(\)](#), [cf_firewall_events_by_day\(\)](#), [cf_firewall_events_top\(\)](#), [cf_get_rum_site\(\)](#), [cf_graphql\(\)](#), [cf_list_rum_sites\(\)](#), [cf_rum_page_views\(\)](#), [cf_rum_top\(\)](#), [cf_workers_invocations\(\)](#), [cf_zone_overview\(\)](#)

Examples

```
cf_zone_requests(  
  "abc123",  
  since = Sys.Date() - 7,  
  until = Sys.Date(),  
  by     = "day"  
)  
  
cf_zone_requests(  
  "abc123",  
  since = Sys.time() - 24 * 3600,  
  until = Sys.time(),  
  by     = "hour"  
)
```

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