

Package ‘RGA’

August 29, 2016

Type Package

Title A Google Analytics API Client

Description Provides functions for accessing and retrieving data from the Google Analytics APIs (<https://developers.google.com/analytics/>). Supports OAuth 2.0 authorization. Package provides access to the Management, Core Reporting, Multi-Channel Funnels Reporting, Real Time Reporting and Metadata APIs. Access to all the Google Analytics accounts which the user has access to. Auto-pagination to return more than 10,000 rows of the results by combining multiple data requests. Also package provides shiny app to explore the core reporting API dimensions and metrics.

URL <https://github.com/artemklevtsov/RGA>

BugReports <https://github.com/artemklevtsov/RGA/issues>

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License GPL (>= 2)

Depends R (>= 3.2.0)

Imports jsonlite, httr (>= 1.1.0), plyr, lubridate

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'get-data.R' 'mgmt.R' 'accounts.R' 'customDataSources.R'
'customDimensions.R' 'customMetrics.R' 'date-ranges.R'
'experiments.R' 'filters.R' 'profiles.R' 'query.R' 'report.R'
'ga.R' 'firstdate.R' 'goals.R' 'mcf.R' 'metadata.R' 'package.R'
'realtime.R' 'segments.R' 'unsampledReports.R' 'uploads.R'
'webproperties.R' 'zzz.R'

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R topics documented:

RGA-package	3
authorize	4
firstdate	7
ga	7
get_custom_dimension	9
get_custom_metric	10
get_experiment	11
get_filter	14
get_ga	18
get_goal	19
get_mcf	22
get_profile	23
get_realtime	25
get_unsampled_report	26
get_upload	28
get_webproperty	29
list_accounts	30
list_custom_data_sources	31
list_custom_dimensions	32
list_custom_metrics	34
list_dimsmets	35
list_experiments	36
list_filters	39
list_goals	43
list_profiles	45
list_segments	47
list_unsampled_reports	48
list_uploads	50
list_webproperties	51
shiny_dimsmets	52

Index

53

Description

A package for extracting data from Google Analytics API into R.

Key features

- Support for [OAuth 2.0 authorization](#);
- Access to the following [Google Analytics APIs](#):
 - [Management API](#): access to configuration data for accounts, web properties, views (profiles), goals and segments;
 - [Core Reporting API](#): query for dimensions and metrics to produce customized reports;
 - [Multi-Channel Funnels Reporting API](#): query the traffic source paths that lead to a user's goal conversion;
 - [Real Time Reporting API](#): report on activity occurring on your property at the moment;
 - [Metadata API](#): access the list of API dimensions and metrics and their attributes;
- Access to all the accounts which the user has access to;
- API responses is converted directly into R as a `data.frame`;
- Auto-pagination to return more than 10,000 rows of the results by combining multiple data requests.

To report a bug please type: `utils::bug.report(package = "RGA")`.

Useage

Once you have the package loaded, there are 3 steps you need to use to get data from Google Analytics:

1. Authorize this package to access your Google Analytics data with the [authorize](#) function;
2. Determine the profile ID which you want to get access to with the [list_profiles](#) function;
3. Get the results from the API with one of these functions: [get_ga](#), [get_mcf](#) or [get_realtime](#).

For details about this steps please type into R: `browseVignettes(package = "RGA")`

Bug reports

Before posting a bug please try execute your code with the [with_verbose](#) wrapper. It will be useful if you attach verbose output to the bug report. For example: `httr::with_verbose(list_profiles())`

Post the `traceback()` output also may be helpful.

To report a bug please type into R: `utils::bug.report(package = "RGA")`

Author(s)

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Examples

```
## Not run:
# load package
library(RGA)
# get access token
authorize()
# get a GA profiles
ga_profiles <- list_profiles()
# choose the profile ID by site URL
id <- ga_profiles[grepl("http://example.com", ga_profiles$website.url), "id"]
# get date when GA tracking began
first.date <- firstdate(id)
# get GA report data
ga_data <- get_ga(id, start.date = first.date, end.date = "today",
                 metrics = "ga:users,ga:sessions",
                 dimensions = "ga:userGender,ga:userAgeBracket")

## End(Not run)
```

authorize	<i>Authorize the RGA package to the user's Google Analytics account using OAuth2.0</i>
-----------	--

Description

authorize() function uses [oauth2.0_token](#) to obtain the OAuth tokens. Expired tokens will be refreshed automatically. If you have no client.id and client.secret the package provides predefined values.

Usage

```
authorize(username = getOption("rga.username"),
         client.id = getOption("rga.client.id"),
         client.secret = getOption("rga.client.secret"),
         cache = getOption("rga.cache"), reauth = FALSE, token = NULL)
```

Arguments

username	character. Google username email address hint. If not set you will need choose an account for the authorization.
client.id	character. OAuth client ID. If you set the environment variable RGA_CLIENT_ID it is used.
client.secret	character. OAuth client secret. If you set the environment variable RGA_CLIENT_SECRET it is used.

cache	logical or character. TRUE means to cache using the default cache file <code>.oauth-http</code> , FALSE means not to cache. A string means to use the specified path as the cache file. Otherwise will be used the <code>rga.cache</code> option value (<code>.ga-token.rds</code> by default). If username argument specified token will be cached in the <code>.username-token.rds</code> file.
reauth	logical. Set TRUE to reauthorization with the same or different Google Analytics account.
token	A valid <code>Token2.0</code> object (including <code>TokenServiceAccount</code>) to setup directly.

Details

After calling this function first time, a web browser will be opened. First, log in with a Google Account, confirm the authorization to access the Google Analytics data. Note that the package requests access for read-only data.

When the `authorize()` function is used the `Token` variable is created in the separate `.RGAEnv` environment which is not visible for user. So, there is no need to pass the token argument to any function which requires authorization every time. Also there is a possibility to store token in separate variable and to pass it to the functions. It can be useful when you are working with several accounts at the same time.

`username`, `client.id` and `client.secret` params can be specified by an appropriate options (with “RGA” prefix): `RGA_USERNAME`, `RGA_CLIENT_ID`, `RGA_CLIENT_SECRET`.

Value

A `Token2.0` object containing all the data required for OAuth access.

Use custom Client ID and Client secret

Google Analytics is used by millions of sites. To protect the system from receiving more data than it can handle, and to ensure an equitable distribution of system resources, certain limits have been put in place.

The following quota limits are shared between all **RGA** users which use the predefined credentials (daily quotas refresh at midnight PST):

- 50,000 requests per day
- 10 queries per second per IP

To get full quota, you must register your application in the Google Developers Console. When you register a new application, you are given a unique client ID to identify each application under that project. To find your project’s client ID and client secret, do the following:

1. Open the [Credentials page](#).
2. Select a project (create if needed).
3. create your project’s OAuth 2.0 credentials by clicking *Add credentials > OAuth 2.0 client ID* and select *Other* application type.
4. Look for the Client ID in the OAuth 2.0 client IDs section. You can click the application name for details.

To enable Analytics API for your project, do the following:

1. Open the [Analytics API Overview page](#).
2. Click on the *Enable API* button to activate Analytics API.

There 3 ways to use custom Client ID and Client secret:

1. Pass the `client.id` and `client.secret` arguments directly in the `authorize()` function call
2. Set the `RGA_CLIENT_ID` and `RGA_CLIENT_SECRET` environment variables
3. Set the `rga.client.id` and `rga.client.secret` options into the R session

Revoke access application

To revoke access the **RGA** package do the following:

1. Go to the [Apps connected to your account](#) page
2. Find *RGA package* entry. Then click on it
3. Click on the *Revoke access* button in the sidebar on the right

References

[Google Developers Console](#)

[Environment variable](#)

See Also

Other OAuth: [oauth_app](#) [oauth2.0_token](#) [Token-class](#)

To revoke all tokens: [revoke_all](#)

Setup environment variables: [Startup](#)

Examples

```
## Not run:
authorize(client.id = "my_id", client.secret = "my_secret")
# if set RGA_CLIENT_ID and RGA_CLIENT_SECRET environment variables
authorize()
# assign token to variable
ga_token <- authorize(client.id = "my_id", client.secret = "my_secret")

## End(Not run)
```

firstdate	<i>First Date</i>
-----------	-------------------

Description

Get the first date with available data.

Usage

```
firstdate(profileId, token)
```

Arguments

`profileId` character. Google Analytics profile ID. Can be obtained using the [list_profiles](#) or via the web interface Google Analytics.

`token` [Token2.0](#) class object with a valid authorization data.

Value

Start date of collecting the Google Analytics statistics.

See Also

Other Reporting API: [get_ga](#), [get_mcf](#), [get_realtime](#)

Examples

```
## Not run:
authorize()
first_date <- firstdate(profileId = "profile_id")
ga_data <- get_ga("profile_id", start.date = first_date, end.date = "today",
               metrics = "ga:sessions", dimensions = "ga:source,ga:medium",
               sort = "-ga:sessions")

## End(Not run)
```

ga	<i>Lists all columns for a Google Analytics core report type</i>
----	--

Description

This dataset represents all of the dimensions and metrics for the reporting API with their attributes. Attributes returned include UI name, description, segments support, etc.

Usage

ga

Format

A data frame with 436 rows and 14 variables containing the following columns:

id Parameter name.

type The type of column: DIMENSION, METRIC.

dataType The type of data this column represents: STRING, INTEGER, PERCENT, TIME, CURRENCY, FLOAT.

group The dimensions/metrics group the column belongs to.

status The status of the column: PUBLIC, DEPRECATED.

uiName The name/label of the column used in user interfaces (UI).

description The full description of the column.

allowedInSegments Indicates whether the column can be used in the segment query parameter.

addedInApiVersion API version with this param was added.

replacedBy The replacement column to use for a column with a DEPRECATED status.

calculation Only available for calculated metrics. This shows how the metric is calculated.

minTemplateIndex Only available for templated columns. This is the minimum index for the column.

maxTemplateIndex Only available for templated columns. This is the maximum index for the column.

premiumMinTemplateIndex Only available for templated columns. This is the minimum index for the column for premium properties.

premiumMaxTemplateIndex Only available for templated columns. This is the maximum index for the column for premium properties.

Source

<https://www.googleapis.com/analytics/v3/metadata/ga/columns?pp=1>

References

[Google Analytics Metadata API](#)

[Core Reporting API - Dimensions & Metrics Reference](#)

See Also

[get_ga_list_dims_mets](#)

Examples

```

# a count of parameters types
table(ga$type)
# parameters groups
table(ga$group)
# get a deprecated parameters was replaced by
subset(ga, status == "DEPRECATED", c(id, replacedBy))
# get a calculation metrics
subset(ga, !is.na(calculation), c(id, calculation))
# get a not deprecated metrics from user group
subset(ga, group == "User" & type == "METRIC" & status != "DEPRECATED", id)
# get parameters allowed in segments
subset(ga, allowedInSegments, id)

```

get_custom_dimension *Custom Dimensions*

Description

Get a custom dimension to which the user has access.

Usage

```
get_custom_dimension(accountId, webPropertyId, customDimensionId, token)
```

Arguments

accountId	character. Account ID for the custom dimension to retrieve.
webPropertyId	character. Web property ID for the custom dimension to retrieve.
customDimensionId	character. The ID of the custom dimension to retrieve.
token	Token2.0 class object with a valid authorization data.

Value

kind	Kind value for a custom dimension. Set to "analytics#customDimension". It is a read-only field.
id	Custom dimension ID.
accountId	Account ID.
webPropertyId	Property ID.
name	Name of the custom dimension.
index	Index of the custom dimension.
scope	Scope of the custom dimension: HIT, SESSION, USER or PRODUCT.
active	Boolean indicating whether the custom dimension is active.
created	Time the custom dimension was created.
updated	Time the custom dimension was last modified.

References

[Management API - Custom Dimensions Overview](#)

See Also

Other Management API: [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_custom_metric	<i>Custom Metrics</i>
-------------------	-----------------------

Description

Get a custom metric to which the user has access.

Usage

```
get_custom_metric(accountId, webPropertyId, customMetricId, token)
```

Arguments

accountId	character. Account ID for the custom metric to retrieve.
webPropertyId	character. Web property ID for the custom metric to retrieve.
customMetricId	character. The ID of the custom metric to retrieve.
token	Token2.0 class object with a valid authorization data.

Value

kind	Kind value for a custom metric. Set to "analytics#customMetric". It is a read-only field.
id	Custom metric ID.
accountId	Account ID.
webPropertyId	Property ID.
name	Name of the custom metric.
index	Index of the custom metric.
scope	Scope of the custom metric: HIT or PRODUCT.
active	Boolean indicating whether the custom metric is active.
type	Data type of custom metric.
min_value	Min value of custom metric.
max_value	Max value of custom metric.
created	Time the custom metric was created.
updated	Time the custom metric was last modified.

References

[Management API - Custom Metrics Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_experiment	<i>Experiments</i>
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Description

Returns an experiment to which the user has access.

Usage

```
get_experiment(accountId, webPropertyId, profileId, experimentId, token)
```

Arguments

accountId	character. Account ID to retrieve the experiment for.
webPropertyId	character. Web property ID to retrieve the experiment for.
profileId	character. View (Profile) ID to retrieve the experiment for.
experimentId	character. Experiment ID to retrieve the experiment for.
token	Token2.0 class object with a valid authorization data.

Value

The experiments collection is a set of experiment resources, each of which describes a content experiment available to an authenticated user.

id	Experiment ID. Required for patch and update. Disallowed for create.
kind	Resource type for an Analytics experiment. This field is read-only.
accountId	Account ID to which this experiment belongs. This field is read-only.
webPropertyId	Web property ID to which this experiment belongs. The web property ID is of the form UA-XXXXXX-YY. This field is read-only.
internalWebPropertyId	Internal ID for the web property to which this experiment belongs. This field is read-only.
profileId	View (Profile) ID to which this experiment belongs. This field is read-only.
name	Experiment name. This field may not be changed for an experiment whose status is ENDED. This field is required when creating an experiment.

<code>description</code>	Notes about this experiment.
<code>created</code>	Time the experiment was created. This field is read-only.
<code>updated</code>	Time the experiment was last modified. This field is read-only.
<code>objectiveMetric</code>	The metric that the experiment is optimizing. Valid values: "ga:goal(n)Completions", "ga:adsenseAdsClicks", "ga:adsenseAdsViewed", "ga:adsenseRevenue", "ga:bounces", "ga:pageviews", "ga:sessionDuration", "ga:transactions", "ga:transactionRevenue". This field is required if status is "RUNNING" and servingFramework is one of "REDIRECT" or "API".
<code>optimizationType</code>	Whether the objectiveMetric should be minimized or maximized. Possible values: "MAXIMUM", "MINIMUM". Optional—defaults to "MAXIMUM". Cannot be specified without objectiveMetric. Cannot be modified when status is "RUNNING" or "ENDED".
<code>status</code>	Experiment status. Possible values: "DRAFT", "READY_TO_RUN", "RUNNING", "ENDED". Experiments can be created in the "DRAFT", "READY_TO_RUN" or "RUNNING" state. This field is required when creating an experiment.
<code>winnerFound</code>	Boolean specifying whether a winner has been found for this experiment. This field is read-only.
<code>startTime</code>	The starting time of the experiment (the time the status changed from READY_TO_RUN to RUNNING). This field is present only if the experiment has started. This field is read-only.
<code>endTime</code>	The ending time of the experiment (the time the status changed from RUNNING to ENDED). This field is present only if the experiment has ended. This field is read-only.
<code>reasonExperimentEnded</code>	Why the experiment ended. Possible values: "STOPPED_BY_USER", "WINNER_FOUND", "EXPERIMENT_EXPIRED", "ENDED_WITH_NO_WINNER", "GOAL_OBJECTIVE_CHANGED". "ENDED_WITH_NO_WINNER" means that the experiment didn't expire but no winner was projected to be found. If the experiment status is changed via the API to ENDED this field is set to STOPPED_BY_USER. This field is read-only.
<code>rewriteVariationUrlsAsOriginal</code>	Boolean specifying whether variations URLs are rewritten to match those of the original. This field may not be changed for an experiment whose status is ENDED.
<code>winnerConfidenceLevel</code>	A floating-point number between 0 and 1. Specifies the necessary confidence level to choose a winner. This field may not be changed for an experiment whose status is ENDED.
<code>minimumExperimentLengthInDays</code>	An integer number in [3, 90]. Specifies the minimum length of the experiment. Can be changed for a running experiment. This field may not be changed for an experiment whose status is ENDED.

trafficCoverage	A floating-point number between 0 and 1. Specifies the fraction of the traffic that participates in the experiment. Can be changed for a running experiment. This field may not be changed for an experiment whose status is ENDED.
equalWeighting	Boolean specifying whether to distribute traffic evenly across all variations. If the value is False, content experiments follows the default behavior of adjusting traffic dynamically based on variation performance. Optional – defaults to False. This field may not be changed for an experiment whose status is ENDED.
snippet	The snippet of code to include on the control page(s). This field is read-only.
variations	Array of variations. The first variation in the array is the original. The number of variations may not change once an experiment is in the RUNNING state. At least two variations are required before status can be set to RUNNING.
servingFramework	The framework used to serve the experiment variations and evaluate the results. One of: REDIRECT: Google Analytics redirects traffic to different variation pages, reports the chosen variation and evaluates the results. API: Google Analytics chooses and reports the variation to serve and evaluates the results; the caller is responsible for serving the selected variation. EXTERNAL: The variations will be served externally and the chosen variation reported to Google Analytics. The caller is responsible for serving the selected variation and evaluating the results.
editableInGaUi	If true, the end user will be able to edit the experiment via the Google Analytics user interface.
variations.name	The name of the variation. This field is required when creating an experiment. This field may not be changed for an experiment whose status is ENDED.
variations.url	The URL of the variation. This field may not be changed for an experiment whose status is RUNNING or ENDED.
variations.status	Status of the variation. Possible values: "ACTIVE", "INACTIVE". INACTIVE variations are not served. This field may not be changed for an experiment whose status is ENDED.
variations.weight	Weight that this variation should receive. Only present if the experiment is running. This field is read-only.
variations.won	True if the experiment has ended and this variation performed (statistically) significantly better than the original. This field is read-only.

References

[Management API - Experiments Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_filter	<i>Filters</i>
------------	----------------

Description

Returns a filters to which the user has access.

Usage

```
get_filter(accountId, filterId, token)
```

Arguments

accountId	character. Account ID to retrieve filters for.
filterId	character. Filter ID to retrieve filters for.
token	Token2.0 class object with a valid authorization data.

Value

The Filters collection is a set of Filter resources, each of which describes a filter which can be applied to a View (profile).

id	Filter ID.
kind	Resource type for Analytics filter.
accountId	Account ID to which this filter belongs.
name	Name of this filter.
type	Type of this filter. Possible values are INCLUDE, EXCLUDE, LOWERCASE, UPPERCASE, SEARCH_AND_REPLACE and ADVANCED.
created	Time this filter was created.
updated	Time this filter was last modified.
includeDetails	Details for the filter of the type INCLUDE.
excludeDetails	Details for the filter of the type EXCLUDE.
lowercaseDetails	Details for the filter of the type LOWER.
uppercaseDetails	Details for the filter of the type UPPER.
searchAndReplaceDetails	Details for the filter of the type SEARCH_AND_REPLACE.
advancedDetails	Details for the filter of the type ADVANCED.
includeDetails.kind	Kind value for filter expression

includeDetails.field

Field to filter. Possible values: Content and Traffic PAGE_REQUEST_URI, PAGE_HOSTNAME, PAGE_TITLE, REFERRAL, COST_DATA_URI (Campaign target URL), HIT_TYPE, INTERNAL_SEARCH_TERM, INTERNAL_SEARCH_TYPE, SOURCE_PROPERTY_TRACKING_ID, Campaign or AdGroup CAMPAIGN_SOURCE, CAMPAIGN_MEDIUM, CAMPAIGN_NAME, CAMPAIGN_AD_GROUP, CAMPAIGN_TERM, CAMPAIGN_CONTENT, CAMPAIGN_CODE, CAMPAIGN_REFERRAL_PATH, E-Commerce TRANSACTION_COUNTRY, TRANSACTION_REGION, TRANSACTION_CITY, TRANSACTION_AFFILIATION (Store or order location), ITEM_NAME, ITEM_CODE, ITEM_VARIATION, TRANSACTION_ID, TRANSACTION_CURRENCY_CODE, PRODUCT_ACTION_TYPE, Audience/Users BROWSER, BROWSER_VERSION, BROWSER_SIZE, PLATFORM, PLATFORM_VERSION, LANGUAGE, SCREEN_RESOLUTION, SCREEN_COLORS, JAVA_ENABLED (Boolean Field), FLASH_VERSION, GEO_SPEED (Connection speed), VISITOR_TYPE, GEO_ORGANIZATION (ISP organization), GEO_DOMAIN, GEO_IP_ADDRESS, GEO_IP_VERSION, Location GEO_COUNTRY, GEO_REGION, GEO_CITY, Event EVENT_CATEGORY, EVENT_ACTION, EVENT_LABEL, Other CUSTOM_FIELD_1, CUSTOM_FIELD_2, USER_DEFINED_VALUE, Application APP_ID, APP_INSTALLER_ID, APP_NAME, APP_VERSION, SCREEN, IS_APP (Boolean Field), IS_FATAL_EXCEPTION (Boolean Field), EXCEPTION_DESCRIPTION, Mobile device IS_MOBILE (Boolean Field, Deprecated. Use DEVICE_CATEGORY=mobile), IS_TABLET (Boolean Field, Deprecated. Use DEVICE_CATEGORY=tablet), DEVICE_CATEGORY, MOBILE_HAS_QWERTY_KEYBOARD (Boolean Field), MOBILE_HAS_NFC_SUPPORT (Boolean Field), MOBILE_HAS_CELLULAR_RADIO (Boolean Field), MOBILE_HAS_WIFI_SUPPORT (Boolean Field), MOBILE_BRAND_NAME, MOBILE_MODEL_NAME, MOBILE_MARKETING_NAME, MOBILE_POINTING_METHOD, Social SOCIAL_NETWORK, SOCIAL_ACTION, SOCIAL_ACTION_TARGET,

includeDetails.matchType

Match type for this filter. Possible values are BEGINS_WITH, EQUAL, ENDS_WITH, CONTAINS, or MATCHES. GEO_DOMAIN, GEO_IP_ADDRESS, PAGE_REQUEST_URI, or PAGE_HOSTNAME filters can use any match type; all other filters must use MATCHES.

includeDetails.expressionValue

Filter expression value

includeDetails.caseSensitive

Determines if the filter is case sensitive.

includeDetails.fieldIndex

The Index of the custom dimension. Set only if the field is a is CUSTOM_DIMENSION.

excludeDetails.kind

Kind value for filter expression

excludeDetails.field

Field to filter. Possible values: Content and Traffic PAGE_REQUEST_URI, PAGE_HOSTNAME, PAGE_TITLE, REFERRAL, COST_DATA_URI (Campaign target URL), HIT_TYPE, INTERNAL_SEARCH_TERM, INTERNAL_SEARCH_TYPE, SOURCE_PROPERTY_TRACKING_ID, Campaign or AdGroup CAMPAIGN_SOURCE, CAMPAIGN_MEDIUM, CAMPAIGN_NAME, CAMPAIGN_AD_GROUP, CAMPAIGN_TERM, CAMPAIGN_CONTENT, CAMPAIGN_CODE, CAMPAIGN_REFERRAL_PATH, E-Commerce TRANSACTION_COUNTRY, TRANSACTION_REGION, TRANSACTION_CITY, TRANSACTION_AFFILIATION (Store or order location), ITEM_NAME,

ITEM_CODE, ITEM_VARIATION, TRANSACTION_ID, TRANSACTION_CURRENCY_CODE, PRODUCT_ACTION_TYPE, Audience/Users BROWSER, BROWSER_VERSION, BROWSER_SIZE, PLATFORM, PLATFORM_VERSION, LANGUAGE, SCREEN_RESOLUTION, SCREEN_COLORS, JAVA_ENABLED (Boolean Field), FLASH_VERSION, GEO_SPEED (Connection speed), VISITOR_TYPE, GEO_ORGANIZATION (ISP organization), GEO_DOMAIN, GEO_IP_ADDRESS, GEO_IP_VERSION, Location GEO_COUNTRY, GEO_REGION, GEO_CITY, Event EVENT_CATEGORY, EVENT_ACTION, EVENT_LABEL, Other CUSTOM_FIELD_1, CUSTOM_FIELD_2, USER_DEFINED_VALUE, Application APP_ID, APP_INSTALLER_ID, APP_NAME, APP_VERSION, SCREEN, IS_APP (Boolean Field), IS_FATAL_EXCEPTION (Boolean Field), EXCEPTION_DESCRIPTION, Mobile device IS_MOBILE (Boolean Field, Deprecated. Use DEVICE_CATEGORY=mobile), IS_TABLET (Boolean Field, Deprecated. Use DEVICE_CATEGORY=tablet), DEVICE_CATEGORY, MOBILE_HAS_QWERTY_KEYBOARD (Boolean Field), MOBILE_HAS_NFC_SUPPORT (Boolean Field), MOBILE_HAS_CELLULAR_RADIO (Boolean Field), MOBILE_HAS_WIFI_SUPPORT (Boolean Field), MOBILE_BRAND_NAME, MOBILE_MODEL_NAME, MOBILE_MARKETING_NAME, MOBILE_POINTING_METHOD, Social SOCIAL_NETWORK, SOCIAL_ACTION, SOCIAL_ACTION_TARGET,

excludeDetails.matchType

Match type for this filter. Possible values are BEGINS_WITH, EQUAL, ENDS_WITH, CONTAINS, or MATCHES. GEO_DOMAIN, GEO_IP_ADDRESS, PAGE_REQUEST_URI, or PAGE_HOSTNAME filters can use any match type; all other filters must use MATCHES.

excludeDetails.expressionValue

Filter expression value

excludeDetails.caseSensitive

Determines if the filter is case sensitive.

excludeDetails.fieldIndex

The Index of the custom dimension. Set only if the field is a is CUSTOM_DIMENSION.

lowercaseDetails.field

Field to use in the filter.

lowercaseDetails.fieldIndex

The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

uppercaseDetails.field

Field to use in the filter.

uppercaseDetails.fieldIndex

The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

searchAndReplaceDetails.field

Field to use in the filter.

searchAndReplaceDetails.fieldIndex

The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

searchAndReplaceDetails.searchString

Term to search.

searchAndReplaceDetails.replaceString

Term to replace the search term with.

searchAndReplaceDetails.caseSensitive

Determines if the filter is case sensitive.

<code>advancedDetails.fieldA</code>	Field A.
<code>advancedDetails.fieldAIndex</code>	The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.
<code>advancedDetails.extractA</code>	Expression to extract from field A.
<code>advancedDetails.fieldB</code>	Field B.
<code>advancedDetails.fieldBIndex</code>	The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.
<code>advancedDetails.extractB</code>	Expression to extract from field B.
<code>advancedDetails.outputToField</code>	Output field.
<code>advancedDetails.outputToFieldIndex</code>	The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.
<code>advancedDetails.outputConstructor</code>	Expression used to construct the output value.
<code>advancedDetails.fieldARequired</code>	Indicates if field A is required to match.
<code>advancedDetails.fieldBRequired</code>	Indicates if field B is required to match.
<code>advancedDetails.overrideOutputField</code>	Indicates if the existing value of the output field, if any, should be overridden by the output expression.
<code>advancedDetails.caseSensitive</code>	Indicates if the filter expressions are case sensitive.

References

[Management API - Filters Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_ga

Core Reporting API

Description

Get the Analytics data from Core Reporting API for a view (profile).

Usage

```
get_ga(profileId = getOption("rga.profileId"), start.date = "7daysAgo",
  end.date = "yesterday", metrics = c("ga:users", "ga:sessions",
  " ga:pageviews"), dimensions = NULL, sort = NULL, filters = NULL,
  segment = NULL, samplingLevel = NULL, start.index = NULL,
  max.results = NULL, include.empty.rows = NULL, fetch.by = NULL, token)
```

Arguments

profileId	character. Unique table ID for retrieving Analytics data. Table ID is of the form ga:XXXX, where XXXX is the Analytics view (profile) ID. Can be obtained using the list_profiles or via the web interface Google Analytics.
start.date	character. Start date for fetching Analytics data. Request can specify a start date formatted as "YYYY-MM-DD" or as a relative date (e.g., "today", "yesterday", or "7daysAgo"). The default value is "7daysAgo".
end.date	character. End date for fetching Analytics data. Request can specify an end date formatted as "YYYY-MM-DD" or as a relative date (e.g., "today", "yesterday", or "7daysAgo"). The default value is "yesterday".
metrics	character. A comma-separated list of Analytics metrics. E.g., "ga:sessions,ga:pageviews". At least one metric must be specified.
dimensions	character. A comma-separated list of Analytics dimensions. E.g., "ga:browser,ga:city".
sort	character. A comma-separated list of dimensions or metrics that determine the sort order for Analytics data.
filters	character. A comma-separated list of dimension or metric filters to be applied to Analytics data.
segment	character. An Analytics segment to be applied to data. Can be obtained using the list_segments or via the web interface Google Analytics.
samplingLevel	character. The desired sampling level. Allowed values: "DEFAULT", "FASTER", "HIGHER_PRECISION".
start.index	integer. An index of the first entity to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of entries to include in this feed.
include.empty.rows	logical. The response will include empty rows if this parameter is set to TRUE (default),

fetch.by	character. Split the query by date range. Allowed values: "day", "week", "month", "quarter", "year". It does not work correctly with the ga:users and ga:NdayUsers metrics.
token	Token2.0 class object with a valid authorization data.

Value

A data frame including the Analytics data for a view (profile). Addition information about profile and request query stored in the attributes.

References

[Core Reporting API - Dimensions & Metrics Reference](#)

[Core Reporting API - Query Parameter Details](#)

[Core Reporting API - Common Queries](#)

[Google Analytics Demos & Tools - Query Explorer](#)

See Also

[list_dimsmets](#) [shiny_dimsmets](#)

Other Reporting API: [firstdate](#), [get_mcf](#), [get_realtime](#)

Examples

```
## Not run:
# get token data
authorize()
# get report data
ga_data <- get_ga(XXXXXXX, start.date = "30daysAgo", end.date = "today",
                 metrics = "ga:sessions", dimensions = "ga:source,ga:medium",
                 sort = "-ga:sessions")

## End(Not run)
```

get_goal

Goals

Description

Gets a goal to which the user has access.

Usage

```
get_goal(accountId, webPropertyId, profileId, goalId, token)
```

Arguments

accountId	character. Account ID to retrieve the goal for.
webPropertyId	character. Web property ID to retrieve the goal for.
profileId	character. View (Profile) ID to retrieve the goal for.
goalId	character. Goal ID to retrieve the goal for.
token	Token2.0 class object with a valid authorization data.

Value

A Goals resource describes a goal for one of a user's profiles.

id	Goal ID.
kind	Resource type for an Analytics goal.
accountId	Account ID to which this goal belongs.
webPropertyId	Web property ID to which this goal belongs. The web property ID is of the form UA-XXXXXX-YY.
internalWebPropertyId	Internal ID for the web property to which this goal belongs.
profileId	View (Profile) ID to which this goal belongs.
name	Goal name.
value	Goal value.
active	Determines whether this goal is active.
type	Goal type. Possible values are URL_DESTINATION, VISIT_TIME_ON_SITE, VISIT_NUM_PAGES, and EVENT.
created	Time this goal was created.
updated	Time this goal was last modified.
urlDestinationDetails	Details for the goal of the type URL_DESTINATION.
visitTimeOnSiteDetails	Details for the goal of the type VISIT_TIME_ON_SITE.
visitNumPagesDetails	Details for the goal of the type VISIT_NUM_PAGES.
eventDetails	Details for the goal of the type EVENT.
urlDestinationDetails.url	URL for this goal.
urlDestinationDetails.caseSensitive	Determines if the goal URL must exactly match the capitalization of visited URLs.
urlDestinationDetails.matchType	Match type for the goal URL. Possible values are HEAD, EXACT, or REGEX.
urlDestinationDetails.firstStepRequired	Determines if the first step in this goal is required.

`urlDestinationDetails.steps.number`
Step number.

`urlDestinationDetails.steps.name`
Step name.

`urlDestinationDetails.steps.url`
URL for this step.

`visitTimeOnSiteDetails.comparisonType`
Type of comparison. Possible values are LESS_THAN or GREATER_THAN.

`visitTimeOnSiteDetails.comparisonValue`
Value used for this comparison.

`visitNumPagesDetails.comparisonType`
Type of comparison. Possible values are LESS_THAN, GREATER_THAN, or EQUAL.

`visitNumPagesDetails.comparisonValue`
Value used for this comparison.

`eventDetails.useEventValue`
Determines if the event value should be used as the value for this goal.

`eventDetails.eventConditions.type`
Type of this event condition. Possible values are CATEGORY, ACTION, LABEL, or VALUE.

`eventDetails.eventConditions.matchType`
Type of the match to be performed. Possible values are REGEXP, BEGINS_WITH, or EXACT.

`eventDetails.eventConditions.expression`
Expression used for this match.

`eventDetails.eventConditions.comparisonType`
Type of comparison. Possible values are LESS_THAN, GREATER_THAN or EQUAL.

`eventDetails.eventConditions.comparisonValue`
Value used for this comparison.

References

[Management API - Goals Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_mcf

*Multi-Channel Funnels Reporting API***Description**

Get the Analytics data from Multi-Channel Funnels Reporting API for a view (profile).

Usage

```
get_mcf(profileId = getOption("rga.profileId"), start.date = "7daysAgo",
  end.date = "yesterday", metrics = "mcf:totalConversions",
  dimensions = NULL, sort = NULL, filters = NULL, samplingLevel = NULL,
  start.index = NULL, max.results = NULL, fetch.by = NULL, token)
```

Arguments

profileId	character. Unique table ID for retrieving Analytics data. Table ID is of the form ga:XXXX, where XXXX is the Analytics view (profile) ID. Can be obtained using the list_profiles or via the web interface Google Analytics.
start.date	character. Start date for fetching Analytics data. Request can specify a start date formatted as "YYYY-MM-DD" or as a relative date (e.g., "today", "yesterday", or "7daysAgo"). The default value is "7daysAgo".
end.date	character. End date for fetching Analytics data. Request can specify an end date formatted as "YYYY-MM-DD" or as a relative date (e.g., "today", "yesterday", or "7daysAgo"). The default value is "yesterday".
metrics	character. A comma-separated list of Multi-Channel Funnels metrics. E.g., "mcf:totalConversions,mcf:totalConversionValue". At least one metric must be specified.
dimensions	character. A comma-separated list of Multi-Channel Funnels dimensions. E.g., "mcf:source,mcf:medium".
sort	character. character. A comma-separated list of dimensions or metrics that determine the sort order for Analytics data.
filters	character. A comma-separated list of dimension or metric filters to be applied to Analytics data.
samplingLevel	character. The desired sampling level. Allowed values: "DEFAULT", "FASTER", "HIGHER_PRECISION".
start.index	integer. An index of the first entity to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of entries to include in this feed.
fetch.by	character. Split the query by date range. Allowed values: "day", "week", "month", "quarter", "year". It does not work correctly with the ga:users and ga:NdayUsers metrics.
token	Token2.0 class object with a valid authorization data.

Value

A data frame including the Analytics Multi-Channel Funnels data for a view (profile). Addition information about profile and request query stored in the attributes.

References

[MCF Reporting API - Dimensions & Metrics Reference](#)

[MCF Reporting API - Query Parameter Details](#)

See Also

Other Reporting API: [firstdate](#), [get_ga](#), [get_realtime](#)

Examples

```
## Not run:
# get token data
authorize()
# get report data
ga_data <- get_mcf(XXXXXXX, start.date = "30daysAgo", end.date = "today",
                  metrics = "mcf:totalConversions",
                  dimensions = "mcf:source,mcf:medium")

## End(Not run)
```

get_profile

Views (Profiles)

Description

Gets a view (profile) to which the user has access.

Usage

```
get_profile(accountId, webPropertyId, profileId, token)
```

Arguments

accountId	character. Account ID to retrieve the view (profile) for.
webPropertyId	character. Web property ID to retrieve the view (profile) for.
profileId	character. View (Profile) ID to retrieve the view (profile) for.
token	Token2.0 class object with a valid authorization data.

Value

The Profiles collection is a set of Profile resources, each of which describes the profile of an authenticated user.

id	View (Profile) ID.
kind	Resource type for Analytics view (profile).
accountId	Account ID to which this view (profile) belongs.
webPropertyId	Web property ID of the form UA-XXXXX-YY to which this view (profile) belongs.
internalWebPropertyId	Internal ID for the web property to which this view (profile) belongs.
name	Name of this view (profile).
currency	The currency type associated with this view (profile), defaults to USD. The supported values are: ARS, AUD, BGN, BRL, CAD, CHF, CNY, CZK, DKK, EUR, GBP, HKD, HUF, IDR, INR, JPY, KRW, LTL, MXN, NOK, NZD, PHP, PLN, RUB, SEK, THB, TRY, TWD, USD, VND, ZAR
timezone	Time zone for which this view (profile) has been configured. Time zones are identified by strings from the TZ database.
websiteUrl	Website URL for this view (profile).
defaultPage	Default page for this view (profile).
excludeQueryParameters	The query parameters that are excluded from this view (profile).
siteSearchQueryParameters	The site search query parameters for this view (profile).
stripSiteSearchQueryParameters	Whether or not Analytics will strip search query parameters from the URLs in your reports.
siteSearchCategoryParameters	Site search category parameters for this view (profile).
stripSiteSearchCategoryParameters	Whether or not Analytics will strip search category parameters from the URLs in your reports.
type	View (Profile) type. Supported types: WEB or APP.
permissions	Permissions the user has for this view (profile).
created	Time this view (profile) was created.
updated	Time this view (profile) was last modified.
eCommerceTracking	Indicates whether ecommerce tracking is enabled for this view (profile).
enhancedECommerceTracking	Indicates whether enhanced ecommerce tracking is enabled for this view (profile). This property can only be enabled if ecommerce tracking is enabled. This property cannot be set on insert.

botFilteringEnabled	Indicates whether bot filtering is enabled for this view (profile).
starred	Indicates whether this view (profile) is starred or not.
permissions	All the permissions that the user has for this view (profile). These include any implied permissions (e.g., EDIT implies VIEW) or inherited permissions from the parent web property.

References

[Management API - Views \(Profiles\) Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_realtime	<i>Real Time Reporting API</i>
--------------	--------------------------------

Description

Get the Analytics data from Real Time Reporting API for a view (profile).

Usage

```
get_realtime(profileId = getOption("rga.profileId"),
  metrics = "rt:activeUsers", dimensions = NULL, sort = NULL,
  filters = NULL, max.results = NULL, token)
```

Arguments

profileId	character. Unique table ID for retrieving Analytics data. Table ID is of the form ga:XXXX, where XXXX is the Analytics view (profile) ID. Can be obtained using the list_profiles or via the web interface Google Analytics.
metrics	character. A comma-separated list of real time metrics. E.g., "rt:activeUsers". At least one metric must be specified.
dimensions	character. A comma-separated list of real time dimensions. E.g., "rt:medium,rt:city".
sort	character. A comma-separated list of dimensions or metrics that determine the sort order for real time data.
filters	character. A comma-separated list of dimension or metric filters to be applied to real time data.
max.results	integer. The maximum number of entries to include in this feed.
token	Token2.0 class object with a valid authorization data.

Value

A data frame including the real time data for a view (profile). Addition information about profile and request query stored in the attributes.

References

[Real Time Reporting API - Dimensions & Metrics Reference](#)

See Also

[authorize](#)

Other Reporting API: [firstdate](#), [get_ga](#), [get_mcf](#)

Examples

```
## Not run:
# get token data
authorize()
# get report data
ga_data <- get_realtime(XXXXXXX, metrics = "rt:activeUsers",
  dimensions = "rt:source,rt:medium")
# get active users in realtime (press Esc to abort)
while (TRUE) {
  cat("\014")
  print(get_realtime(XXXXXXX, metrics = "rt:activeUsers"))
  Sys.sleep(2)
}

## End(Not run)
```

get_unsampled_report *Unsampled Reports*

Description

Returns a single unsampled report.

Usage

```
get_unsampled_report(accountId, webPropertyId, profileId, unsampledReportId,
  token)
```

Arguments

accountId	character. Account ID to retrieve unsampled report for.
webPropertyId	character. Web property ID to retrieve unsampled reports for.
profileId	character. View (Profile) ID to retrieve unsampled report for.
unsampledReportId	character. ID of the unsampled report to retrieve.
token	Token2.0 class object with a valid authorization data.

Value

id	Unsampled report ID.
kind	Resource type for an Analytics unsampled report.
title	Title of the unsampled report.
accountId	Account ID to which this unsampled report belongs.
webPropertyId	Web property ID to which this unsampled report belongs. The web property ID is of the form UA-XXXXXX-YY.
profileId	View (Profile) ID to which this unsampled report belongs.
start.date	The start date for the unsampled report.
end.date	The end date for the unsampled report.
metrics	The metrics for the unsampled report.
dimensions	The dimensions for the unsampled report.
filters	The filters for the unsampled report.
segment	The segment for the unsampled report.
status	Status of this unsampled report. Possible values are PENDING, COMPLETED, or FAILED.
downloadType	The type of download you need to use for the report data file.
driveDownloadDetails	Download details for a file stored in Google Drive.
cloudStorageDownloadDetails	Download details for a file stored in Google Cloud Storage.
created	Time this unsampled report was created.
updated	Time this unsampled report was last modified.
driveDownloadDetails.documentId	Id of the document/file containing the report data.
cloudStorageDownloadDetails.bucketId	Id of the bucket the file object is stored in.
cloudStorageDownloadDetails.objectId	Id of the file object containing the report data.

References

[Management API - Unsampled Reports Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_upload

*Uploads***Description**

List uploads to which the user has access.

Usage

```
get_upload(accountId, webPropertyId, customDataSourceId, uploadId, token)
```

Arguments

accountId	character. Account Id for the upload to retrieve.
webPropertyId	character. Web property Id for the upload to retrieve.
customDataSourceId	character. Custom data source Id for upload to retrieve.
uploadId	character. Upload Id to retrieve.
token	Token2.0 class object with a valid authorization data.

Value

The Uploads collection is a set of Upload resources, each of which describes an upload for one of the user's custom data sources. This resource should be used when uploading Dimension Widening data.

id	A unique ID for this upload.
kind	Resource type for Analytics upload.
accountId	Account Id to which this upload belongs.
customDataSourceId	Custom data source Id to which this data import belongs.
status	Upload status. Possible values: PENDING, COMPLETED, FAILED, DELETING, DELETED.
errors	Data import errors collection.

References

[Management API - Uploads Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

get_webproperty	<i>Web Properties</i>
-----------------	-----------------------

Description

Gets a property to which the user has access.

Usage

```
get_webproperty(accountId, webPropertyId, token)
```

Arguments

accountId	character. Account ID to retrieve the web property for.
webPropertyId	character. ID to retrieve the web property for.
token	Token2.0 class object with a valid authorization data.

Value

The Webproperties collection is a set of Webproperty resources, each of which describes a web property available to an authenticated user.

id	Web property ID of the form UA-XXXXX-YY.
kind	Resource type for Analytics WebProperty.
accountId	Account ID to which this web property belongs.
internalWebPropertyId	Internal ID for this web property.
name	Name of this web property.
websiteUrl	Website url for this web property.
level	Level for this web property.
profileCount	View (Profile) count for this web property.
industryVertical	The industry vertical/category selected for this web property. If this field is set, the correct values are: UNSPECIFIED ARTS_AND_ENTERTAINMENT AUTOMOTIVE BEAUTY_AND_FITNESS BOOKS_AND_LITERATURE BUSINESS_AND_INDUSTRIAL_MARKETS COMPUTERS_AND_ELECTRONICS FINANCE FOOD_AND_DRINK GAMES HEALTHCARE HOBBIES_AND_LEISURE HOME_AND_GARDEN INTERNET_AND_TELECOM JOBS_AND_EDUCATION LAW_AND_GOVERNMENT NEWS ONLINE_COMMUNITIES OTHER PEOPLE_AND_SOCIETY PETS_AND_ANIMALS REAL_ESTATE REFERENCE SCIENCE SHOPPING SPORTS TRAVEL

defaultProfileId	Default view (profile) ID.
permissions	Permissions the user has for this web property.
created	Time this web property was created.
updated	Time this web property was last modified.
starred	Indicates whether this web property is starred or not.
permissions	All the permissions that the user has for this web property. These include any implied permissions (e.g., EDIT implies VIEW) or inherited permissions from the parent account.

References

[Management API - Web Properties Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_accounts	<i>Accounts</i>
---------------	-----------------

Description

Lists all accounts to which the user has access.

Usage

```
list_accounts(start.index = NULL, max.results = NULL, token)
```

Arguments

start.index	integer. An index of the first account to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of accounts to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The Accounts collection is a set of Account resources, each of which describes the account of an authenticated user.

id	Account ID.
kind	Resource type for Analytics account.
name	Account name.
permissions	Permissions the user has for this account.
created	Time the account was created.
updated	Time the account was last modified.
starred	Indicates whether this account is starred or not.
permissions	All the permissions that the user has for this account. These include any implied permissions (e.g., EDIT implies VIEW).

References

[Management API - Accounts Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_custom_data_sources

Custom Data Sources

Description

List custom data sources to which the user has access.

Usage

```
list_custom_data_sources(accountId, webPropertyId, start.index = NULL,
    max.results = NULL, token)
```

Arguments

accountId	character. Account Id for the custom data sources to retrieve.
webPropertyId	character. Web property Id for the custom data sources to retrieve.
start.index	integer. A 1-based index of the first custom data source to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of custom data sources to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The customDataSources collection is a set of customDataSource resources, each of which describes a custom data source available to an authenticated user.

id	Custom data source ID.
kind	Resource type for Analytics custom data source.
accountId	Account ID to which this custom data source belongs.
webPropertyId	Web property ID of the form UA-XXXXX-YY to which this custom data source belongs.
name	Name of this custom data source.
description	Description of custom data source.
type	Type of the custom data source.
uploadType	The resource type with which the custom data source can be used to upload data; it can have the values "analytics#uploads" or "analytics#dailyUploads". Custom data sources with this property set to "analytics#dailyUploads" are deprecated and should be migrated using the uploads resource.
importBehavior	How cost data metrics are treated when there are duplicate keys. If this property is set to "SUMMATION" the values are added; if this property is set to "OVERWRITE" the most recent value overwrites the existing value.
profilesLinked	IDs of views (profiles) linked to the custom data source.
created	Time this custom data source was created.
updated	Time this custom data source was last modified.

References

[Management API - Custom Data Sources Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_custom_dimensions

Custom Dimensions

Description

Lists custom dimensions to which the user has access.

Usage

```
list_custom_dimensions(accountId, webPropertyId, start.index = NULL,  
    max.results = NULL, token)
```

Arguments

accountId	character. Account ID for the custom dimensions to retrieve.
webPropertyId	character. Web property ID for the custom dimensions to retrieve.
start.index	integer. An index of the first entity to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of custom dimensions to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

kind	Kind value for a custom dimension. Set to "analytics#customDimension". It is a read-only field.
id	Custom dimension ID.
accountId	Account ID.
webPropertyId	Property ID.
name	Name of the custom dimension.
index	Index of the custom dimension.
scope	Scope of the custom dimension: HIT, SESSION, USER or PRODUCT.
active	Boolean indicating whether the custom dimension is active.
created	Time the custom dimension was created.
updated	Time the custom dimension was last modified.

References

[Management API - Custom Dimensions Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_custom_metrics *Custom Metrics*

Description

Lists custom metrics to which the user has access.

Usage

```
list_custom_metrics(accountId, webPropertyId, start.index = NULL,
                    max.results = NULL, token)
```

Arguments

accountId	character. Account ID for the custom metrics to retrieve.
webPropertyId	character. Web property ID for the custom metrics to retrieve.
start.index	integer. An index of the first entity to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of custom metrics to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

kind	Kind value for a custom metric. Set to "analytics#customMetric". It is a read-only field.
id	Custom metric ID.
accountId	Account ID.
webPropertyId	Property ID.
name	Name of the custom metric.
index	Index of the custom metric.
scope	Scope of the custom metric: HIT or PRODUCT.
active	Boolean indicating whether the custom metric is active.
type	Data type of custom metric.
min_value	Min value of custom metric.
max_value	Max value of custom metric.
created	Time the custom metric was created.
updated	Time the custom metric was last modified.

References

[Management API - Custom Metrics Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_dimsmets	<i>Lists all the dimensions and metrics for a particular report type</i>
---------------	--

Description

This dataset represents all of the dimensions and metrics for the reporting API with their attributes. Attributes returned include UI name, description, segments support, etc.

Usage

```
list_dimsmets(reportType = "ga")
```

Arguments

reportType character. Report type. Allowed Values: "ga". Where "ga" corresponds to the Core Reporting API.

Value

A data.frame contains dimensions and metrics for a particular report type.

id	Parameter name.
type	The type of column: DIMENSION, METRIC.
dataType	The type of data this column represents: STRING, INTEGER, PERCENT, TIME, CURRENCY, FLOAT.
group	The dimensions/metrics group the column belongs to.
status	The status of the column: PUBLIC, DEPRECATED.
uiName	The name/label of the column used in user interfaces (UI).
description	The full description of the column.
allowedInSegments	Indicates whether the column can be used in the segment query parameter.
addedInApiVersion	API version with this param was added.
replacedBy	The replacement column to use for a column with a DEPRECATED status.
calculation	Only available for calculated metrics. This shows how the metric is calculated.
minTemplateIndex	Only available for templated columns. This is the minimum index for the column.

maxTemplateIndex
Only available for templated columns. This is the maximum index for the column.

premiumMinTemplateIndex
Only available for templated columns. This is the minimum index for the column for premium properties.

premiumMaxTemplateIndex
Only available for templated columns. This is the maximum index for the column for premium properties.

References

[Google Analytics Metadata API](#)
[Core Reporting API - Dimensions & Metrics Reference](#)

See Also

[shiny_dimsmets get_ga](#)

Examples

```
## Not run:
ga_meta <- list_dimsmets("ga")
# a count of parameters types
table(ga_meta$type)
# parameters groups
table(ga_meta$group)
# get a deprecated parameters was replaced by
subset(ga_meta, status == "DEPRECATED", c(id, replacedBy))
# get a calculation metrics
subset(ga_meta, !is.na(calculation), c(id, calculation))
# get a not deprecated metrics from user group
subset(ga_meta, group == "User" & type == "METRIC" & status != "DEPRECATED", id)
# get parameters allowed in segments
subset(ga_meta, allowedInSegments, id)

## End(Not run)
```

list_experiments *Experiments*

Description

Lists experiments to which the user has access.

Usage

```
list_experiments(accountId, webPropertyId, profileId, start.index = NULL,
  max.results = NULL, token)
```

Arguments

accountId	character. Account ID to retrieve experiments for.
webPropertyId	character. Web property ID to retrieve experiments for.
profileId	character. View (Profile) ID to retrieve experiments for.
start.index	integer. An index of the first experiment to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of experiments to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The experiments collection is a set of experiment resources, each of which describes a content experiment available to an authenticated user.

id	Experiment ID. Required for patch and update. Disallowed for create.
kind	Resource type for an Analytics experiment. This field is read-only.
accountId	Account ID to which this experiment belongs. This field is read-only.
webPropertyId	Web property ID to which this experiment belongs. The web property ID is of the form UA-XXXXX-YY. This field is read-only.
internalWebPropertyId	Internal ID for the web property to which this experiment belongs. This field is read-only.
profileId	View (Profile) ID to which this experiment belongs. This field is read-only.
name	Experiment name. This field may not be changed for an experiment whose status is ENDED. This field is required when creating an experiment.
description	Notes about this experiment.
created	Time the experiment was created. This field is read-only.
updated	Time the experiment was last modified. This field is read-only.
objectiveMetric	The metric that the experiment is optimizing. Valid values: "ga:goal(n)Completions", "ga:adsenseAdsClicks", "ga:adsenseAdsViewed", "ga:adsenseRevenue", "ga:bounces", "ga:pageviews", "ga:sessionDuration", "ga:transactions", "ga:transactionRevenue". This field is required if status is "RUNNING" and servingFramework is one of "REDIRECT" or "API".
optimizationType	Whether the objectiveMetric should be minimized or maximized. Possible values: "MAXIMUM", "MINIMUM". Optional—defaults to "MAXIMUM". Cannot be specified without objectiveMetric. Cannot be modified when status is "RUNNING" or "ENDED".
status	Experiment status. Possible values: "DRAFT", "READY_TO_RUN", "RUNNING", "ENDED". Experiments can be created in the "DRAFT", "READY_TO_RUN" or "RUNNING" state. This field is required when creating an experiment.
winnerFound	Boolean specifying whether a winner has been found for this experiment. This field is read-only.

<code>startTime</code>	The starting time of the experiment (the time the status changed from <code>READY_TO_RUN</code> to <code>RUNNING</code>). This field is present only if the experiment has started. This field is read-only.
<code>endTime</code>	The ending time of the experiment (the time the status changed from <code>RUNNING</code> to <code>ENDED</code>). This field is present only if the experiment has ended. This field is read-only.
<code>reasonExperimentEnded</code>	Why the experiment ended. Possible values: <code>"STOPPED_BY_USER"</code> , <code>"WINNER_FOUND"</code> , <code>"EXPERIMENT_EXPIRED"</code> , <code>"ENDED_WITH_NO_WINNER"</code> , <code>"GOAL_OBJECTIVE_CHANGED"</code> . <code>"ENDED_WITH_NO_WINNER"</code> means that the experiment didn't expire but no winner was projected to be found. If the experiment status is changed via the API to <code>ENDED</code> this field is set to <code>STOPPED_BY_USER</code> . This field is read-only.
<code>rewriteVariationUrlsAsOriginal</code>	Boolean specifying whether variations URLs are rewritten to match those of the original. This field may not be changed for an experiment whose status is <code>ENDED</code> .
<code>winnerConfidenceLevel</code>	A floating-point number between 0 and 1. Specifies the necessary confidence level to choose a winner. This field may not be changed for an experiment whose status is <code>ENDED</code> .
<code>minimumExperimentLengthInDays</code>	An integer number in [3, 90]. Specifies the minimum length of the experiment. Can be changed for a running experiment. This field may not be changed for an experiment whose status is <code>ENDED</code> .
<code>trafficCoverage</code>	A floating-point number between 0 and 1. Specifies the fraction of the traffic that participates in the experiment. Can be changed for a running experiment. This field may not be changed for an experiment whose status is <code>ENDED</code> .
<code>equalWeighting</code>	Boolean specifying whether to distribute traffic evenly across all variations. If the value is <code>False</code> , content experiments follows the default behavior of adjusting traffic dynamically based on variation performance. Optional – defaults to <code>False</code> . This field may not be changed for an experiment whose status is <code>ENDED</code> .
<code>snippet</code>	The snippet of code to include on the control page(s). This field is read-only.
<code>variations</code>	Array of variations. The first variation in the array is the original. The number of variations may not change once an experiment is in the <code>RUNNING</code> state. At least two variations are required before status can be set to <code>RUNNING</code> .
<code>servingFramework</code>	The framework used to serve the experiment variations and evaluate the results. One of: <code>REDIRECT</code> : Google Analytics redirects traffic to different variation pages, reports the chosen variation and evaluates the results. <code>API</code> : Google Analytics chooses and reports the variation to serve and evaluates the results; the caller is responsible for serving the selected variation. <code>EXTERNAL</code> : The variations will be served externally and the chosen variation reported to Google Analytics. The caller is responsible for serving the selected variation and evaluating the results.

editableInGaUi	If true, the end user will be able to edit the experiment via the Google Analytics user interface.
variations.name	The name of the variation. This field is required when creating an experiment. This field may not be changed for an experiment whose status is ENDED.
variations.url	The URL of the variation. This field may not be changed for an experiment whose status is RUNNING or ENDED.
variations.status	Status of the variation. Possible values: "ACTIVE", "INACTIVE". INACTIVE variations are not served. This field may not be changed for an experiment whose status is ENDED.
variations.weight	Weight that this variation should receive. Only present if the experiment is running. This field is read-only.
variations.won	True if the experiment has ended and this variation performed (statistically) significantly better than the original. This field is read-only.

References

[Management API - Experiments Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_filters	<i>Filters</i>
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Description

Lists all filters for an account

Usage

```
list_filters(accountId, start.index = NULL, max.results = NULL, token)
```

Arguments

accountId	character. Account ID to retrieve filters for.
start.index	integer. An index of the first entity to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of filters to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The Filters collection is a set of Filter resources, each of which describes a filter which can be applied to a View (profile).

id	Filter ID.
kind	Resource type for Analytics filter.
accountId	Account ID to which this filter belongs.
name	Name of this filter.
type	Type of this filter. Possible values are INCLUDE, EXCLUDE, LOWERCASE, UPPERCASE, SEARCH_AND_REPLACE and ADVANCED.
created	Time this filter was created.
updated	Time this filter was last modified.
includeDetails	Details for the filter of the type INCLUDE.
excludeDetails	Details for the filter of the type EXCLUDE.
lowercaseDetails	Details for the filter of the type LOWER.
uppercaseDetails	Details for the filter of the type UPPER.
searchAndReplaceDetails	Details for the filter of the type SEARCH_AND_REPLACE.
advancedDetails	Details for the filter of the type ADVANCED.
includeDetails.kind	Kind value for filter expression
includeDetails.field	Field to filter. Possible values: Content and Traffic PAGE_REQUEST_URI, PAGE_HOSTNAME, PAGE_TITLE, REFERRAL, COST_DATA_URI (Campaign target URL), HIT_TYPE, INTERNAL_SEARCH_TERM, INTERNAL_SEARCH_TYPE, SOURCE_PROPERTY_TRACKING_ID, Campaign or AdGroup CAMPAIGN_SOURCE, CAMPAIGN_MEDIUM, CAMPAIGN_NAME, CAMPAIGN_AD_GROUP, CAMPAIGN_TERM, CAMPAIGN_CONTENT, CAMPAIGN_CODE, CAMPAIGN_REFERRAL_PATH, E-Commerce TRANSACTION_COUNTRY, TRANSACTION_REGION, TRANSACTION_CITY, TRANSACTION_AFFILIATION (Store or order location), ITEM_NAME, ITEM_CODE, ITEM_VARIATION, TRANSACTION_ID, TRANSACTION_CURRENCY_CODE, PRODUCT_ACTION_TYPE, Audience/Users BROWSER, BROWSER_VERSION, BROWSER_SIZE, PLATFORM, PLATFORM_VERSION, LANGUAGE, SCREEN_RESOLUTION, SCREEN_COLORS, JAVA_ENABLED (Boolean Field), FLASH_VERSION, GEO_SPEED (Connection speed), VISITOR_TYPE, GEO_ORGANIZATION (ISP organization), GEO_DOMAIN, GEO_IP_ADDRESS, GEO_IP_VERSION, Location GEO_COUNTRY, GEO_REGION, GEO_CITY, Event EVENT_CATEGORY, EVENT_ACTION, EVENT_LABEL, Other CUSTOM_FIELD_1, CUSTOM_FIELD_2, USER_DEFINED_VALUE, Application APP_ID, APP_INSTALLER_ID, APP_NAME, APP_VERSION, SCREEN, IS_APP (Boolean Field), IS_FATAL_EXCEPTION (Boolean Field), EXCEPTION_DESCRIPTION, Mobile device IS_MOBILE (Boolean Field, Deprecated. Use DEVICE_CATEGORY=mobile), IS_TABLET

(Boolean Field, Deprecated. Use DEVICE_CATEGORY=tablet), DEVICE_CATEGORY, MOBILE_HAS_QWERTY_KEYBOARD (Boolean Field), MOBILE_HAS_NFC_SUPPORT (Boolean Field), MOBILE_HAS_CELLULAR_RADIO (Boolean Field), MOBILE_HAS_WIFI_SUPPORT (Boolean Field), MOBILE_BRAND_NAME, MOBILE_MODEL_NAME, MOBILE_MARKETING_NAME, MOBILE_POINTING_METHOD, Social SOCIAL_NETWORK, SOCIAL_ACTION, SOCIAL_ACTION_TARGET,

`includeDetails.matchType`
Match type for this filter. Possible values are BEGINS_WITH, EQUAL, ENDS_WITH, CONTAINS, or MATCHES. GEO_DOMAIN, GEO_IP_ADDRESS, PAGE_REQUEST_URI, or PAGE_HOSTNAME filters can use any match type; all other filters must use MATCHES.

`includeDetails.expressionValue`
Filter expression value

`includeDetails.caseSensitive`
Determines if the filter is case sensitive.

`includeDetails.fieldIndex`
The Index of the custom dimension. Set only if the field is a is CUSTOM_DIMENSION.

`excludeDetails.kind`
Kind value for filter expression

`excludeDetails.field`
Field to filter. Possible values: Content and Traffic PAGE_REQUEST_URI, PAGE_HOSTNAME, PAGE_TITLE, REFERRAL, COST_DATA_URI (Campaign target URL), HIT_TYPE, INTERNAL_SEARCH_TERM, INTERNAL_SEARCH_TYPE, SOURCE_PROPERTY_TRACKING_ID, Campaign or AdGroup CAMPAIGN_SOURCE, CAMPAIGN_MEDIUM, CAMPAIGN_NAME, CAMPAIGN_AD_GROUP, CAMPAIGN_TERM, CAMPAIGN_CONTENT, CAMPAIGN_CODE, CAMPAIGN_REFERRAL_PATH, E-Commerce TRANSACTION_COUNTRY, TRANSACTION_REGION, TRANSACTION_CITY, TRANSACTION_AFFILIATION (Store or order location), ITEM_NAME, ITEM_CODE, ITEM_VARIATION, TRANSACTION_ID, TRANSACTION_CURRENCY_CODE, PRODUCT_ACTION_TYPE, Audience/Users BROWSER, BROWSER_VERSION, BROWSER_SIZE, PLATFORM, PLATFORM_VERSION, LANGUAGE, SCREEN_RESOLUTION, SCREEN_COLORS, JAVA_ENABLED (Boolean Field), FLASH_VERSION, GEO_SPEED (Connection speed), VISITOR_TYPE, GEO_ORGANIZATION (ISP organization), GEO_DOMAIN, GEO_IP_ADDRESS, GEO_IP_VERSION, Location GEO_COUNTRY, GEO_REGION, GEO_CITY, Event EVENT_CATEGORY, EVENT_ACTION, EVENT_LABEL, Other CUSTOM_FIELD_1, CUSTOM_FIELD_2, USER_DEFINED_VALUE, Application APP_ID, APP_INSTALLER_ID, APP_NAME, APP_VERSION, SCREEN, IS_APP (Boolean Field), IS_FATAL_EXCEPTION (Boolean Field), EXCEPTION_DESCRIPTION, Mobile device IS_MOBILE (Boolean Field, Deprecated. Use DEVICE_CATEGORY=mobile), IS_TABLET (Boolean Field, Deprecated. Use DEVICE_CATEGORY=tablet), DEVICE_CATEGORY, MOBILE_HAS_QWERTY_KEYBOARD (Boolean Field), MOBILE_HAS_NFC_SUPPORT (Boolean Field), MOBILE_HAS_CELLULAR_RADIO (Boolean Field), MOBILE_HAS_WIFI_SUPPORT (Boolean Field), MOBILE_BRAND_NAME, MOBILE_MODEL_NAME, MOBILE_MARKETING_NAME, MOBILE_POINTING_METHOD, Social SOCIAL_NETWORK, SOCIAL_ACTION, SOCIAL_ACTION_TARGET,

`excludeDetails.matchType`
Match type for this filter. Possible values are BEGINS_WITH, EQUAL, ENDS_WITH,

CONTAINS, or MATCHES. GEO_DOMAIN, GEO_IP_ADDRESS, PAGE_REQUEST_URI, or PAGE_HOSTNAME filters can use any match type; all other filters must use MATCHES.

`excludeDetails.expressionValue`
Filter expression value

`excludeDetails.caseSensitive`
Determines if the filter is case sensitive.

`excludeDetails.fieldIndex`
The Index of the custom dimension. Set only if the field is a is CUSTOM_DIMENSION.

`lowercaseDetails.field`
Field to use in the filter.

`lowercaseDetails.fieldIndex`
The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

`uppercaseDetails.field`
Field to use in the filter.

`uppercaseDetails.fieldIndex`
The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

`searchAndReplaceDetails.field`
Field to use in the filter.

`searchAndReplaceDetails.fieldIndex`
The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

`searchAndReplaceDetails.searchString`
Term to search.

`searchAndReplaceDetails.replaceString`
Term to replace the search term with.

`searchAndReplaceDetails.caseSensitive`
Determines if the filter is case sensitive.

`advancedDetails.fieldA`
Field A.

`advancedDetails.fieldAIndex`
The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

`advancedDetails.extractA`
Expression to extract from field A.

`advancedDetails.fieldB`
Field B.

`advancedDetails.fieldBIndex`
The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

`advancedDetails.extractB`
Expression to extract from field B.

`advancedDetails.outputToField`
Output field.

`advancedDetails.outputToFieldIndex`
The Index of the custom dimension. Required if field is a CUSTOM_DIMENSION.

`advancedDetails.outputConstructor`
Expression used to construct the output value.

advancedDetails.fieldARequired	Indicates if field A is required to match.
advancedDetails.fieldBRequired	Indicates if field B is required to match.
advancedDetails.overrideOutputField	Indicates if the existing value of the output field, if any, should be overridden by the output expression.
advancedDetails.caseSensitive	Indicates if the filter expressions are case sensitive.

References

[Management API - Filters Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_goals	<i>Goals</i>
------------	--------------

Description

Lists goals to which the user has access.

Usage

```
list_goals(accountId = "~all", webPropertyId = "~all", profileId = "~all",
  start.index = NULL, max.results = NULL, token)
```

Arguments

accountId	character. Account ID to retrieve goals for. Can either be a specific account ID or '~all', which refers to all the accounts that user has access to.
webPropertyId	character. Web property ID to retrieve goals for. Can either be a specific web property ID or '~all', which refers to all the web properties that user has access to.
profileId	character. View (Profile) ID to retrieve goals for. Can either be a specific view (profile) ID or '~all', which refers to all the views (profiles) that user has access to.
start.index	integer. An index of the first goal to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of goals to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

A Goals resource describes a goal for one of a user's profiles.

id	Goal ID.
kind	Resource type for an Analytics goal.
accountId	Account ID to which this goal belongs.
webPropertyId	Web property ID to which this goal belongs. The web property ID is of the form UA-XXXXXX-YY.
internalWebPropertyId	Internal ID for the web property to which this goal belongs.
profileId	View (Profile) ID to which this goal belongs.
name	Goal name.
value	Goal value.
active	Determines whether this goal is active.
type	Goal type. Possible values are URL_DESTINATION, VISIT_TIME_ON_SITE, VISIT_NUM_PAGES, and EVENT.
created	Time this goal was created.
updated	Time this goal was last modified.
urlDestinationDetails	Details for the goal of the type URL_DESTINATION.
visitTimeOnSiteDetails	Details for the goal of the type VISIT_TIME_ON_SITE.
visitNumPagesDetails	Details for the goal of the type VISIT_NUM_PAGES.
eventDetails	Details for the goal of the type EVENT.
urlDestinationDetails.url	URL for this goal.
urlDestinationDetails.caseSensitive	Determines if the goal URL must exactly match the capitalization of visited URLs.
urlDestinationDetails.matchType	Match type for the goal URL. Possible values are HEAD, EXACT, or REGEX.
urlDestinationDetails.firstStepRequired	Determines if the first step in this goal is required.
urlDestinationDetails.steps.number	Step number.
urlDestinationDetails.steps.name	Step name.
urlDestinationDetails.steps.url	URL for this step.
visitTimeOnSiteDetails.comparisonType	Type of comparison. Possible values are LESS_THAN or GREATER_THAN.

visitTimeOnSiteDetails.comparisonValue
Value used for this comparison.

visitNumPagesDetails.comparisonType
Type of comparison. Possible values are LESS_THAN, GREATER_THAN, or EQUAL.

visitNumPagesDetails.comparisonValue
Value used for this comparison.

eventDetails.useEventValue
Determines if the event value should be used as the value for this goal.

eventDetails.eventConditions.type
Type of this event condition. Possible values are CATEGORY, ACTION, LABEL, or VALUE.

eventDetails.eventConditions.matchType
Type of the match to be performed. Possible values are REGEXP, BEGINS_WITH, or EXACT.

eventDetails.eventConditions.expression
Expression used for this match.

eventDetails.eventConditions.comparisonType
Type of comparison. Possible values are LESS_THAN, GREATER_THAN or EQUAL.

eventDetails.eventConditions.comparisonValue
Value used for this comparison.

References

[Management API - Goals Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_profiles

Views (Profiles)

Description

Lists views (profiles) to which the user has access.

Usage

```
list_profiles(accountId = "~all", webPropertyId = "~all",
start.index = NULL, max.results = NULL, token)
```

Arguments

accountId	character. Account ID for the view (profiles) to retrieve. Can either be a specific account ID or '~all', which refers to all the accounts to which the user has access.
webPropertyId	character. Web property ID for the views (profiles) to retrieve. Can either be a specific web property ID or '~all', which refers to all the web properties to which the user has access.
start.index	integer. An index of the first entity to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of views (profiles) to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The Profiles collection is a set of Profile resources, each of which describes the profile of an authenticated user.

id	View (Profile) ID.
kind	Resource type for Analytics view (profile).
accountId	Account ID to which this view (profile) belongs.
webPropertyId	Web property ID of the form UA-XXXXX-YY to which this view (profile) belongs.
internalWebPropertyId	Internal ID for the web property to which this view (profile) belongs.
name	Name of this view (profile).
currency	The currency type associated with this view (profile), defaults to USD. The supported values are: ARS, AUD, BGN, BRL, CAD, CHF, CNY, CZK, DKK, EUR, GBP, HKD, HUF, IDR, INR, JPY, KRW, LTL, MXN, NOK, NZD, PHP, PLN, RUB, SEK, THB, TRY, TWD, USD, VND, ZAR
timezone	Time zone for which this view (profile) has been configured. Time zones are identified by strings from the TZ database.
websiteUrl	Website URL for this view (profile).
defaultPage	Default page for this view (profile).
excludeQueryParameters	The query parameters that are excluded from this view (profile).
siteSearchQueryParameters	The site search query parameters for this view (profile).
stripSiteSearchQueryParameters	Whether or not Analytics will strip search query parameters from the URLs in your reports.
siteSearchCategoryParameters	Site search category parameters for this view (profile).
stripSiteSearchCategoryParameters	Whether or not Analytics will strip search category parameters from the URLs in your reports.

type	View (Profile) type. Supported types: WEB or APP.
permissions	Permissions the user has for this view (profile).
created	Time this view (profile) was created.
updated	Time this view (profile) was last modified.
eCommerceTracking	Indicates whether ecommerce tracking is enabled for this view (profile).
enhancedECommerceTracking	Indicates whether enhanced ecommerce tracking is enabled for this view (profile). This property can only be enabled if ecommerce tracking is enabled. This property cannot be set on insert.
botFilteringEnabled	Indicates whether bot filtering is enabled for this view (profile).
starred	Indicates whether this view (profile) is starred or not.
permissions	All the permissions that the user has for this view (profile). These include any implied permissions (e.g., EDIT implies VIEW) or inherited permissions from the parent web property.

References

[Management API - Views \(Profiles\) Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_segments	<i>Segments</i>
---------------	-----------------

Description

Lists segments to which the user has access.

Usage

```
list_segments(start.index = NULL, max.results = NULL, token)
```

Arguments

start.index	integer. An index of the first segment to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of segments to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The Segments collection is a set of Segment resources, each of which describes one of the user's default advanced segments or custom segments.

id	Segment ID.
kind	Resource type for Analytics segment.
segmentId	Segment ID. Can be used with the 'segment' parameter in Core Reporting API.
name	Segment name.
definition	Segment definition.
type	Type for a segment. Possible values are "BUILT_IN" or "CUSTOM".
created	Time the segment was created.
updated	Time the segment was last modified.

References

[Management API - Segments Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_unsampled_reports](#), [list_uploads](#), [list_webproperties](#)

list_unsampled_reports

Unsampled Reports

Description

Lists unsampled reports to which the user has access.

Usage

```
list_unsampled_reports(accountId, webPropertyId, profileId,
  start.index = NULL, max.results = NULL, token)
```

Arguments

accountId	character. Account ID to retrieve unsampled reports for. Must be a specific account ID, ~all is not supported.
webPropertyId	character. Web property ID to retrieve unsampled reports for. Must be a specific web property ID, ~all is not supported.
profileId	character. View (Profile) ID to retrieve unsampled reports for. Must be a specific view (profile) ID, ~all is not supported.

start.index	integer. An index of the first unsampled report to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of unsampled reports to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

id	Unsampled report ID.
kind	Resource type for an Analytics unsampled report.
title	Title of the unsampled report.
accountId	Account ID to which this unsampled report belongs.
webPropertyId	Web property ID to which this unsampled report belongs. The web property ID is of the form UA-XXXXXX-YY.
profileId	View (Profile) ID to which this unsampled report belongs.
start.date	The start date for the unsampled report.
end.date	The end date for the unsampled report.
metrics	The metrics for the unsampled report.
dimensions	The dimensions for the unsampled report.
filters	The filters for the unsampled report.
segment	The segment for the unsampled report.
status	Status of this unsampled report. Possible values are PENDING, COMPLETED, or FAILED.
downloadType	The type of download you need to use for the report data file.
driveDownloadDetails	Download details for a file stored in Google Drive.
cloudStorageDownloadDetails	Download details for a file stored in Google Cloud Storage.
created	Time this unsampled report was created.
updated	Time this unsampled report was last modified.
driveDownloadDetails.documentId	Id of the document/file containing the report data.
cloudStorageDownloadDetails.bucketId	Id of the bucket the file object is stored in.
cloudStorageDownloadDetails.objectId	Id of the file object containing the report data.

References

[Management API - Unsampled Reports Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_uploads](#), [list_webproperties](#)

list_uploads	<i>Uploads</i>
--------------	----------------

Description

List uploads to which the user has access.

Usage

```
list_uploads(accountId, webPropertyId, customDataSourceId, start.index = NULL,
max.results = NULL, token)
```

Arguments

accountId	character. Account Id for the uploads to retrieve.
webPropertyId	character. Web property Id for the uploads to retrieve.
customDataSourceId	character. Custom data source Id for uploads to retrieve.
start.index	integer. A 1-based index of the first upload to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of uploads to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The Uploads collection is a set of Upload resources, each of which describes an upload for one of the user's custom data sources. This resource should be used when uploading Dimension Widening data.

id	A unique ID for this upload.
kind	Resource type for Analytics upload.
accountId	Account Id to which this upload belongs.
customDataSourceId	Custom data source Id to which this data import belongs.
status	Upload status. Possible values: PENDING, COMPLETED, FAILED, DELETING, DELETED.
errors	Data import errors collection.

References

[Management API - Uploads Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_webproperties](#)

list_webproperties	<i>Web Properties</i>
--------------------	-----------------------

Description

Lists properties to which the user has access.

Usage

```
list_webproperties(accountId = "~all", start.index = NULL,
  max.results = NULL, token)
```

Arguments

accountId	character. Account ID to retrieve web properties for. Can either be a specific account ID or '~all', which refers to all the accounts that user has access to.
start.index	integer. An index of the first entity to retrieve. Use this parameter as a pagination mechanism along with the max-results parameter.
max.results	integer. The maximum number of web properties to include in this response.
token	Token2.0 class object with a valid authorization data.

Value

The Webproperties collection is a set of Webproperty resources, each of which describes a web property available to an authenticated user.

id	Web property ID of the form UA-XXXXXX-YY.
kind	Resource type for Analytics WebProperty.
accountId	Account ID to which this web property belongs.
internalWebPropertyId	Internal ID for this web property.
name	Name of this web property.
websiteUrl	Website url for this web property.
level	Level for this web property.
profileCount	View (Profile) count for this web property.

industryVertical	The industry vertical/category selected for this web property. If this field is set, the correct values are: UNSPECIFIED ARTS_AND_ENTERTAINMENT AUTOMOTIVE BEAUTY_AND_FITNESS BOOKS_AND_LITERATURE BUSINESS_AND_INDUSTRIAL_MARKETS COMPUTERS_AND_ELECTRONICS FINANCE FOOD_AND_DRINK GAMES HEALTHCARE HOBBIES_AND_LEISURE HOME_AND_GARDEN INTERNET_AND_TELECOM JOBS_AND_EDUCATION LAW_AND_GOVERNMENT NEWS ONLINE_COMMUNITIES OTHER PEOPLE_AND_SOCIETY PETS_AND_ANIMALS REAL_ESTATE REFERENCE SCIENCE SHOPPING SPORTS TRAVEL
defaultProfileId	Default view (profile) ID.
permissions	Permissions the user has for this web property.
created	Time this web property was created.
updated	Time this web property was last modified.
starred	Indicates whether this web property is starred or not.
permissions	All the permissions that the user has for this web property. These include any implied permissions (e.g., EDIT implies VIEW) or inherited permissions from the parent account.

References

[Management API - Web Properties Overview](#)

See Also

Other Management API: [get_custom_dimension](#), [get_custom_metric](#), [get_experiment](#), [get_filter](#), [get_goal](#), [get_profile](#), [get_unsampled_report](#), [get_upload](#), [get_webproperty](#), [list_accounts](#), [list_custom_data_sources](#), [list_custom_dimensions](#), [list_custom_metrics](#), [list_experiments](#), [list_filters](#), [list_goals](#), [list_profiles](#), [list_segments](#), [list_unsampled_reports](#), [list_uploads](#)

shiny_dimsmets

The Shiny Dimensions & Metrics Explorer

Description

The dimensions and metrics explorer lists and describes all the dimensions and metrics available through the Core Reporting API. This app deployed to the <https://artemklevtsov.shinyapps.io/ga-dimsmets>.

Usage

shiny_dimsmets()

See Also

[list_dimsmets](#) [get_ga](#)

Index

- *Topic **datasets**
 - ga, 7
- *Topic **data**
 - ga, 7
- *Topic **package**
 - RGA-package, 3
- authorize, 3, 4, 26
- firstdate, 7, 19, 23, 26
- ga, 7
- get_custom_dimension, 9, 11, 13, 17, 21, 25, 28–33, 35, 39, 43, 45, 47–49, 51, 52
- get_custom_metric, 10, 10, 13, 17, 21, 25, 28–33, 35, 39, 43, 45, 47–49, 51, 52
- get_experiment, 10, 11, 11, 17, 21, 25, 28–33, 35, 39, 43, 45, 47–49, 51, 52
- get_filter, 10, 11, 13, 14, 21, 25, 28–33, 35, 39, 43, 45, 47–49, 51, 52
- get_ga, 3, 7, 8, 18, 23, 26, 36, 52
- get_goal, 10, 11, 13, 17, 19, 25, 28–33, 35, 39, 43, 45, 47–49, 51, 52
- get_mcf, 3, 7, 19, 22, 26
- get_profile, 10, 11, 13, 17, 21, 23, 28–33, 35, 39, 43, 45, 47–49, 51, 52
- get_realtime, 3, 7, 19, 23, 25
- get_unsampled_report, 10, 11, 13, 17, 21, 25, 26, 29–33, 35, 39, 43, 45, 47–49, 51, 52
- get_upload, 10, 11, 13, 17, 21, 25, 28, 28, 30–33, 35, 39, 43, 45, 47–49, 51, 52
- get_webproperty, 10, 11, 13, 17, 21, 25, 28, 29, 29, 31–33, 35, 39, 43, 45, 47–49, 51, 52
- list_accounts, 10, 11, 13, 17, 21, 25, 28–30, 30, 32, 33, 35, 39, 43, 45, 47–49, 51, 52
- list_custom_data_sources, 10, 11, 13, 17, 21, 25, 28–31, 31, 33, 35, 39, 43, 45, 47–49, 51, 52
- list_custom_dimensions, 10, 11, 13, 17, 21, 25, 28–32, 32, 35, 39, 43, 45, 47–49, 51, 52
- list_custom_metrics, 10, 11, 13, 17, 21, 25, 28–33, 34, 39, 43, 45, 47–49, 51, 52
- list_dimsmets, 8, 19, 35, 52
- list_experiments, 10, 11, 13, 17, 21, 25, 28–33, 35, 36, 43, 45, 47–49, 51, 52
- list_filters, 10, 11, 13, 17, 21, 25, 28–33, 35, 39, 39, 45, 47–49, 51, 52
- list_goals, 10, 11, 13, 17, 21, 25, 28–33, 35, 39, 43, 43, 47–49, 51, 52
- list_profiles, 3, 7, 10, 11, 13, 17, 18, 21, 22, 25, 28–33, 35, 39, 43, 45, 45, 48, 49, 51, 52
- list_segments, 10, 11, 13, 17, 18, 21, 25, 28–33, 35, 39, 43, 45, 47, 47, 49, 51, 52
- list_unsampled_reports, 10, 11, 13, 17, 21, 25, 28–33, 35, 39, 43, 45, 47, 48, 48, 51, 52
- list_uploads, 10, 11, 13, 17, 21, 25, 28–33, 35, 39, 43, 45, 47–49, 50, 52
- list_webproperties, 10, 11, 13, 17, 21, 25, 28–33, 35, 39, 43, 45, 47–49, 51, 51
- oauth2.0_token, 4, 6
- oauth_app, 6
- revoke_all, 6
- RGA (RGA-package), 3
- rga (RGA-package), 3
- RGA-package, 3
- shiny_dimsmets, 19, 36, 52
- Startup, 6

Token2.0, [5](#), [7](#), [9–11](#), [14](#), [19](#), [20](#), [22](#), [23](#), [25](#),
[27–31](#), [33](#), [34](#), [37](#), [39](#), [43](#), [46](#), [47](#),
[49–51](#)

with_verbose, [3](#)