

Package ‘ryandexdirect’

June 9, 2020

Type Package

Title Load Data From 'Yandex Direct'

Version 3.6.0

Date 2020-06-09

Description Load data from 'Yandex Direct' API V5
<<https://tech.yandex.ru/direct/doc/dg/concepts/about-docpage/>> into R.
Provide function for load lists of campaigns, ads, keywords and other
objects from 'Yandex Direct' account. Also you can load statistic from
API 'Reports Service' <<https://tech.yandex.ru/direct/doc/reports/reports-docpage/>>.
And allows keyword bids management.

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Depends R (>= 3.5.0)

BugReports <https://github.com/selesnow/ryandexdirect/issues>

URL <https://selesnow.github.io/ryandexdirect>,
<https://t.me/R4marketing>,
<https://www.youtube.com/playlist?list=PLD2LDq8edf4oUo0L9Kw77ZXf0KcV1hu67>

Imports utils, httr, bitops, jsonlite, xml2, data.table, readr,
magrittr, dplyr, tidyr (>= 1.0.0), purrr, stringr

Suggests knitr, rmarkdown, kableExtra, googleAnalyticsR

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Language ru

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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ryandexdirect-package *Load Data From 'Yandex Direct'*

Description

Load data from 'Yandex Direct' API V5 <<https://tech.yandex.ru/direct/doc/dg/concepts/about-docpage/>> into R. Provide function for load lists of campaigns, ads, keywords and other objects from 'Yandex Direct' account. Also you can load statistic from API 'Reports Service' <<https://tech.yandex.ru/direct/doc/reports/reports-docpage/>>. And allows keyword bids management.

Details

The DESCRIPTION file:

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 Type: Package
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 Description: Load data from 'Yandex Direct' API V5 <<https://tech.yandex.ru/direct/doc/dg/concepts/about-docpage/>> in
 License: GPL-2
 Authors@R: c(person(given = "Alexey", family = "Seleznev", role = c("aut", "cre"), email = "selesnow@gmail.com", co
 Author: Alexey Seleznev [aut, cre] (<<https://orcid.org/0000-0003-0410-7385>>)
 Maintainer: Alexey Seleznev <selesnow@gmail.com>
 Depends: R (>= 3.5.0)
 BugReports: <https://github.com/selesnow/ryandexdirect/issues>
 URL: <https://selesnow.github.io/ryandexdirect>, <https://t.me/R4marketing>, <https://www.youtube.com/playlist?list=>
 Imports: utils, httr, bitops, jsonlite, xml2, data.table, readr, magrittr, dplyr, tidyr (>= 1.0.0), purrr, stringr
 Suggests: knitr, rmarkdown, kableExtra, googleAnalyticsR
 Encoding: UTF-8
 Language: ru
 VignetteBuilder: knitr

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Author(s)

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Maintainer: Alexey Seleznev <selesnow@gmail.com>

ryandexdirect-deprecated

Deprecated functions in ryandexdirect

Description

List of deprecated functions and their new versions.

Deprecated fncions

Next function is deprecated:

yadirGetCampaignList() use [yadirGetCampaign\(\)](#), from september 2019

yadirGetCampaignListOld() use [yadirGetCampaign\(\)](#), from april 2019

yadirGetLogsData() use [rym_get_logs\(\)](#), from april 2019

yadirGetMetrikaGAData() use [rym_get_ga\(\)](#), from april 2019

yadirGetSummaryStat() use [yadirGetReport\(\)](#), from march 2017

yadirAuth

Authentication in 'Yandex Direct' API

Description

Get API Token for 'Yandex Direct' account

Usage

```
yadirAuth(Login = getOption("ryandexdirect.user"),
          NewUser = FALSE,
          TokenPath = yadirTokenPath())
```

Arguments

Login	character, your login at Yandex, require
NewUser	logical, use TRUE if you want login into new account
TokenPath	Path to directory where you save credential data

Value

R object with api token

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
library(ryandexdirect)
yadirAuth(Login = "login", NewUser = TRUE,
           TokenPath = tempdir())

## End(Not run)
```

yadirCurrencyRates *Get currencies*

Description

Exchange rates, currency parameters and restrictions.

Usage

```
yadirCurrencyRates(
  Login = getOption("ryandexdirect.user"),
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  Token = NULL,
  TokenPath = yadirTokenPath())
```

Arguments

Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data
Token	character or list object, your Yandex API Token, you can get this by function yadirGetToken or yadirAuth

Value

data frame with campaigns names and parameters

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
# from storage tokrn
library(ryandexdirect)
cur <- yadirCurrencyRates(Login = "login" ,
                          TokenPath = tempdir())

# from auth object

aut <- yadirAuth(Login = "login", NewUser = TRUE,
                 TokenPath = tempdir())
cur2 <- yadirCurrencyRates(Login = "login" ,
                           Token = aut)

## End(Not run)
```

yadirGetAdGroups	<i>Get AdGroups List</i>
------------------	--------------------------

Description

Returns parameters of adgroups that meet specified criteria.

Usage

```
yadirGetAdGroups(CampaignIds = NULL,
                 Ids          = NA,
                 Types       = c("TEXT_AD_GROUP" ,
                                "MOBILE_APP_AD_GROUP" ,
                                "DYNAMIC_TEXT_AD_GROUP"),
                 Statuses    = c("ACCEPTED",
                                "DRAFT",
                                "MODERATION",
                                "PREACCEPTED",
                                "REJECTED"),
                 Login       = getOption("ryandexdirect.user"),
                 AgencyAccount = getOption("ryandexdirect.agency_account"),
                 Token       = NULL,
                 TokenPath   = yadirTokenPath())
```

Arguments

CampaignIds	character vector with yandex direct campaign ID, require
Ids	character vector with yandex direct adgroup ID
Types	character vector with adgroup types states
Statuses	character vector with adgroup types statuses
Login	character, your login at Yandex, require
Token	character, your Yandex Direct API Token, require
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data

Value

data frame with adgroups names and parameters

Author(s)

Alexey Seleznev

Examples

```
## Not run:
#For get adgroups data frame
# Get data from clients account
my_ad_group <- yadirGetAdGroups(Login = "login")

# Get data from agency account
### !!!Please choose another TokenPath to save the Login permanently.
my_ad_group <- yadirGetAdGroups(Login      = "client_login",
                               AgencyAccount = "agency_login",
                               TokenPath    = tempdir())

## End(Not run)
```

yadirGetAds

Get Ads List From 'Yandex Direct' account

Description

Returns the parameters of ads that match the specified criteria.

Usage

```
yadirGetAds(CampaignIds = NULL,
            AdGroupIds   = NA,
            Ids           = NA,
            States        = c("OFF", "ON", "SUSPENDED", "OFF_BY_MONITORING", "ARCHIVED"),
            Login         = getOption("ryandexdirect.user"),
            Token         = NULL,
            AgencyAccount = getOption("ryandexdirect.agency_account"),
            TokenPath     = yadirTokenPath())
```

Arguments

CampaignIds	character vector with yandex direct campaign ID, require
AdGroupIds	character vector with yandex direct adgroup ID
Ids	character vector with yandex direct ad ID
States	character vector with ad states
Login	character, your login at Yandex, require
Token	character, your Yandex Direct API Token, require
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data

Value

Data Frame

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
#For get ads data frame
# Get ads from client account
aut <- yadirAuth(Login = "login", NewUser = TRUE,
                 TokenPath = tempdir())
my_ads <- yadirGetAds(Login = "login",
                     Token = aut)

# Get data from agency account
aut <- yadirAuth(Login = "agency_login", NewUser = TRUE,
                 TokenPath = tempdir())

my_ads <- yadirGetAds(Login = "client_login",
                     AgencyAccount = "agency_login",
                     Token = aut)

## End(Not run)
```

yadirGetCampaign *Get Campaigns List*

Description

Returns the parameters of campaigns that meet the specified criteria.

Usage

```
yadirGetCampaignList(Logins = getOption("ryandexdirect.user"),
                     States = c("OFF", "ON", "SUSPENDED",
                               "ENDED", "CONVERTED", "ARCHIVED"), Types =
                     c("TEXT_CAMPAIGN", "MOBILE_APP_CAMPAIGN",
                       "DYNAMIC_TEXT_CAMPAIGN", "CPM_BANNER_CAMPAIGN"),
                     Statuses = c("ACCEPTED", "DRAFT", "MODERATION",
                                   "REJECTED"), StatusesPayment = c("DISALLOWED",
                                                                      "ALLOWED"), Token = NULL,
                     AgencyAccount = getOption("ryandexdirect.agency_account"),
                     TokenPath = yadirTokenPath())
```

```
yadirGetCampaign(Logins = getOption("ryandexdirect.user"),
                 States = c("OFF", "ON", "SUSPENDED",
                           "ENDED", "CONVERTED", "ARCHIVED"), Types =
                 c("TEXT_CAMPAIGN", "MOBILE_APP_CAMPAIGN",
                   "DYNAMIC_TEXT_CAMPAIGN", "CPM_BANNER_CAMPAIGN"),
                 Statuses = c("ACCEPTED", "DRAFT", "MODERATION",
                               "REJECTED"), StatusesPayment = c("DISALLOWED",
                                                                  "ALLOWED"), Token = NULL,
                 AgencyAccount = getOption("ryandexdirect.agency_account"),
                 TokenPath = yadirTokenPath())
```

Arguments

Logins	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data
Token	character or list object, your Yandex API Token, you can get this by function yadirGetToken or yadirAuth
States	character vector, filter by campaign states, for example c("OFF", "ON", "SUSPENDED", "ENDED", "CONVERTED", "ARCHIVED")
Types	character vector with campaign types, example c("TEXT_CAMPAIGN", "MOBILE_APP_CAMPAIGN", "DYNAMIC_TEXT_CAMPAIGN")
Statuses	character vector, filter campaign list by status, for example c("ACCEPTED", "DRAFT", "MODERATION", "REJECTED")
StatusesPayment	character vector, filter campaign list by payment status, for example c("DISALLOWED", "ALLOWED")

Value

data frame with campaigns names and parameters

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
#Get data from client accounts
my_ad_group <- yadirGetCampaign(Login = "login",
                                TokenPath = tempdir())

#Get data from agency account
# Auth
aut <- yadirAuth(Login = "agency_login",
                 NewUser = TRUE,
                 TokenPath = tempdir())

# Load Ad Group List
my_ad_group <- yadirGetCampaign(Login = "client_login",
                                Token = aut,
                                TokenPath = tempdir())

## End(Not run)
```

yadirGetClientList *Get Client List From Agency Account*

Description

Returns a list of advertisers - agency clients, their parameters and settings of the main representatives of the advertiser.

Usage

```
yadirGetClientList(
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  Token         = NULL,
  TokenPath     = yadirTokenPath())
```

Arguments

AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data
Token	character or list object, your Yandex API Token, you can get this by function yadirGetToken or yadirAuth

Value

data frame with client list

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
my_client <- yadirGetClientList(AgencyAccount = "agency_login",
                               TokenPath = tempdir())

## End(Not run)
```

yadirGetClientParam *Get params list from 'Yandex Direct' agency clients*

Description

Returns the parameters of the advertiser and the settings of the user - the representative of the advertiser or the parameters of the agency and the settings of the user - the representative of the agency.

Usage

```
yadirGetClientParam(Language = "ru",
                    Logins = getOption("ryandexdirect.user"),
                    Token = NULL,
                    AgencyAccount = getOption("ryandexdirect.agency_account"),
                    TokenPath = yadirTokenPath())
```

Arguments

Logins	Character vector of yandex logins
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data
Token	character or list object, your Yandex API Token, you can get this by function yadirGetToken or yadirAuth
Language	Answer language one of en, ru, tr, uk

Value

data frame with campaigns names and parameters

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
#Get client param from agency account
client_param <- yadirGetClientParam(AgencyAccount = "agency_login",
                                   TokenPath      = tempdir())

## End(Not run)
```

yadirGetCostData

*Loading Cost Data for Upload to Google Analytics***Description**

Get data on expenses, impressions and clicks on advertising campaigns, keywords and ads for further loading into 'Google Analytics' source.

Usage

```
yadirGetCostData(
  DateFrom = Sys.Date() - 31,
  DateTo   = Sys.Date() - 1,
  Source   = 'yandex',
  Medium   = 'cpc',
  IncludeVAT      = "YES",
  IncludeDiscount = "NO",
  Login           = getOption("ryandexdirect.user"),
  AgencyAccount  = getOption("ryandexdirect.agency_account"),
  FetchBy        = NULL,
  Token          = NULL,
  TokenPath      = yadirTokenPath())
```

Arguments

DateFrom	If your select CUSTOM_DATE in DateRangeType you must enter start date in this argument in YYYY-MM-DD format else you can not used this argument
DateTo	If your select CUSTOM_DATE in DateRangeType you must enter end date in this argument in YYYY-MM-DD format else you can not used this argument
Source	Character, UTM source
Medium	Character, UTM medium
IncludeVAT	Include or exclude VAT, one of "NO" or "YES"

IncludeDiscount	Include or exclude Discount, one of "NO" or "YES"
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
FetchBy	Split the query by date range. Allowed values: "DAY", "WEEK", "MONTH", "QUARTER", "YEAR".
TokenPath	Path to directory where you save credential data
Token	character or list object, your Yandex API Token, you can get this by function yadirGetToken or yadirAuth

Value

Data frame with cost data

Author(s)

Alexey Seleznev

Examples

```
## Not run:
###
# Use googleAnalyticsR for upload data into Google Analytics
library(googleAnalyticsR)

# load cost data
cost_data <- yadirGetCostData(DateFrom = "2020-05-10",
                             DateTo = '2020-05-14')

# upload into GA source
ga_custom_upload_file(accountId      = xxxx,
                      webPropertyId  = "UA-xxxx-1",
                      customDataSourceId = 'abcdefg',
                      cost_data)

## End(Not run)
```

yadirGetDictionary *Get Dictionary from 'Yandex Direct'*

Description

Returns reference data: regions, time zones, exchange rates, list of metro stations, restrictions on parameter values, external networks (SSP), Crypt segments for targeting by user profile, etc.

Usage

```
yadirGetDictionary(DictionaryName = "GeoRegions",
                   Language       = "ru",
                   Login          = getOption("ryandexdirect.user"),
                   Token          = NULL,
                   AgencyAccount = getOption("ryandexdirect.agency_account"),
                   TokenPath     = yadirTokenPath())
```

Arguments

DictionaryName	character string with Dictionary name, one of Currencies, MetroStations, GeoRegions, TimeZones, Constants, AdCategories, OperationSystemVersions, ProductivityAssertions, SupplySidePlatforms, Interests
Language	Answer message language, by default "ru", support one of en, ru, tr, uk
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data
Token	character or list object, your Yandex API Token, you can get this by function yadirGetToken or yadirAuth

Value

Data Frame

Author(s)

Alexey Seleznev

References

For more details go [link](#)

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
geo <- yadirGetDictionary(Login = "login",
                          DictionaryName = "GeoRegions",
                          TokenPath = tempdir())

## End(Not run)
```

yadirGetForecast *Get Forecast*

Description

Returns a forecast for cost, click and impression

Usage

```
yadirGetForecast(Phrases,
                 GeoID      = 0,
                 Currency   = "RUB",
                 AuctionBids = "No",
                 Login      = getOption("ryandexdirect.user"),
                 Token      = NULL,
                 AgencyAccount = getOption("ryandexdirect.agency_account"),
                 TokenPath  = yadirTokenPath())
```

Arguments

Phrases	character vector of key phrases for which you want to get a forecast, require
GeoID	character vector, an array of key phrases for which you want to obtain statistics on search queries
Currency	The currency in which click prices and total costs in the report should be expressed. Possible values: RUB, CHF, EUR, KZT, TRY, UAH, USD, BYN.
AuctionBids	Whether to display trading results in the report (Yes / No)
Login	integer, An array of region identifiers. Allows you to get statistics on search queries made only in the specified regions, see yadirGetDictionary
Token	character, your Yandex Direct API Token, require
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data

Value

Data Frame

Author(s)

Alexey Seleznev

Examples

```
## Not run:
# get forecast
forecast <- yadirGetForecast(c('buy smartphone -xiaomi',
                              'buy samsung'),
                             Login = "selesnow")

## End(Not run)
```

yadirGetKeyWords *Get Keywords*

Description

Returns the parameters of key phrases or autotargets that match the specified criteria: the values of the placeholder variables, status and status, statistics of impressions and clicks, rates and priorities.

Usage

```
yadirGetKeyWords(CampaignIds = NULL, AdGroupIds = NA, Ids = NA, States
                 = c("OFF", "ON", "SUSPENDED"), WithStats = TRUE,
                 Login = getOption("ryandexdirect.user"), Token = NULL,
                 AgencyAccount = getOption("ryandexdirect.agency_account"),
                 TokenPath = yadirTokenPath())
```

Arguments

CampaignIds	character vector with yandex direct campaign ID, require
AdGroupIds	character vector with yandex direct adgroup ID
Ids	character vector with yandex direct ad ID
States	character vector with ad states
WithStats	logical, if TRUE then load stat by impressions and click but load process will be long durations
Login	character, your login at Yandex, require
Token	character, your Yandex Direct API Token, require
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data

Value

data frame with campaigns names and parameters

Author(s)

Alexey Seleznev

Examples

```
## Not run:

# get data from agency account
### Please choose another TokenPath to save the Login permanently.
my_keywords <- yadirGetKeyWords(Login = "client_login",
                                AgencyAccount = "agency_login",
                                TokenPath      = tempdir())

## End(Not run)
```

yadirGetKeyWordsBids *Get KeyWords Bids*

Description

Returns bids and priorities for key phrases and auto-targeting that meet specified criteria, as well as bidding data: bids and write-off prices for different traffic volumes on a search and bids to reach different audience shares in networks.

Usage

```
yadirGetKeyWordsBids(
  KeywordIds    = NULL,
  AdGroupIds    = NULL,
  CampaignIds   = NULL,
  AuctionBids   = c(NA,
                    "search",
                    "network"),
  Login         = getOption("ryandexdirect.user"),
  Token         = NULL,
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  TokenPath     = yadirTokenPath())
```

Arguments

KeywordIds	Phrase ID. Specified if you want to update the bid for an individual phrase.
AdGroupIds	Ad Group ID. Specified if you need to update bids for all group phrases.
CampaignIds	Campaign ID. Specified if you need to update bids for all campaign phrases.
AuctionBids	Data on auctions, specify information about which auctions you are requesting. The values are: NA, "search", "network"
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Use AuctionBids = "search" when you need traffic volume, bid on the search corresponding to the specified amount of traffi and charged price corresponding to the specified amount of traffic. Use AuctionBids = "search" when you need get frequency of the show (audience share) in networks (specified in percent from 0 to 100) and network bid that matches the frequency shown.

Value

Data Frame with keyword bids and auction data

Author(s)

Alexey Seleznev

References

[KeyWord Bids API documentation](#) [KeyWord Bids get method API documentation](#)

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
## Only bids for keywords with ids 123, 234, 345
bids <- yadirGetKeyWordsBids(KeywordIds = c(123, 234, 345))

### Get bids with search auction data
search_bids <-
  yadirGetKeyWordsBids(KeywordIds = c(123, 234, 345)
                      AuctionBids = "search")

### Get bids with network auction data
network_bids <-
  yadirGetKeyWordsBids(KeywordIds = c(123, 234, 345)
                      AuctionBids = "network")

## End(Not run)
```

yadirGetLogins

Get Login List or Set Login

Description

Get and set List of accessed yandex direct login from token path.

Usage

```
yadirGetLogins(TokenPath = yadirTokenPath(), SetLogin = TRUE)
```

Arguments

TokenPath Path to directory where you save credential data
 SetLogin Boolean, if TRUE you will choose default login

Value

vector with logins

Author(s)

Alexey Seleznev

Examples

```
## Not run:
logins <- yadirGetLogins()

## End(Not run)
```

yadirGetReport *Get Report From 'Yandex Direct Report Service'*

Description

The 'Service Report' is designed to get statistics on the advertiser's account. You must set period, choose report type and needed fields, and get statistic.

Usage

```
yadirGetReport(ReportType = "CUSTOM_REPORT", DateRangeType =
  "CUSTOM_DATE", DateFrom = Sys.Date() - 31,
  DateTo = Sys.Date() - 1,
  FieldNames = c("CampaignName", "Impressions",
  "Clicks", "Cost"), FilterList = NULL, Goals = NULL,
  AttributionModels = NULL, IncludeVAT = "YES",
  IncludeDiscount = "NO", Login = getOption("ryandexdirect.user"),
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  FetchBy = NULL, Token = NULL, TokenPath = yadirTokenPath(),
  SkipErrors = TRUE)
```

Arguments

ReportType Report level, one from ACCOUNT_PERFORMANCE_REPORT, CAMPAIGN_PERFORMANCE_REP
 ADGROUP_PERFORMANCE_REPORT, AD_PERFORMANCE_REPORT, CRI-
 TERIA_PERFORMANCE_REPORT, CUSTOM_REPORT, SEARCH_QUERY_PERFORMANCE_RE
 For detail go <https://tech.yandex.ru/direct/doc/reports/type-docpage/>

DateRangeType	Reporting period, one from TODAY, YESTERDAY, LAST_3_DAYS, LAST_5_DAYS, LAST_7_DAYS, LAST_14_DAYS, LAST_30_DAYS, LAST_90_DAYS, LAST_365_DAYS, THIS_WEEK_MON_TODAY, THIS_WEEK_SUN_TODAY, LAST_WEEK, LAST_BUSINESS_WEEK, LAST_WEEK_SUN_SAT, THIS_MONTH, LAST_MONTH, ALL_TIME, CUSTOM_DATE, AUTO. For detail go https://tech.yandex.ru/direct/doc/reports/period-docpage/
DateFrom	If your select CUSTOM_DATE in DateRangeType you must enter start date in this argument in YYYY-MM-DD format else you can not used this argument
DateTo	If your select CUSTOM_DATE in DateRangeType you must enter end date in this argument in YYYY-MM-DD format else you can not used this argument
FieldNames	Character vector with field names list, for example c("Date", "CampaignName", "Impressions", "Clicks"), for more details go https://tech.yandex.ru/direct/doc/reports/fields-list-docpage/
FilterList	Character vector with rows filters, for example c("Clicks GREATER_THAN 99", "Impressions LESS_THAN 1000"), for more details go https://tech.yandex.ru/direct/doc/reports/filter-docpage/
Goals	integer vector, id of the Yandex.Metric goals for which you want to get statistics. No more than 10 elements in the array. For example c(182453, 182452, 23458860).
AttributionModels	Attribution models used in the calculation of data on Yandex.Metrica goals. For example c("LSC", "LC", "FC"), see detail for more information.
IncludeVAT	Include or exclude VAT, one of "NO" or "YES"
IncludeDiscount	Include or exclude Discount, one of "NO" or "YES"
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
FetchBy	Split the query by date range. Allowed values: "DAY", "WEEK", "MONTH", "QUARTER", "YEAR".
TokenPath	Path to directory where you save credential data
Token	character or list object, your Yandex API Token, you can get this by function yadirGetToken or yadirAuth
SkipErrors	Logical, if TRUE function skip all errors of API answer

Details

Attribution model is the rule, what transition to consider the source of the visit.

Possible Values:

FC The first transition. The source of any visitor visits is his first visit to the site in the last 180 days. This model allows you to track the source of advertising, which first brought the client and thereby influenced all subsequent interactions with the site.

LC The last transition. The source of the visit is considered to be a transition, as a result of which the visitor is currently visiting the site, regardless of the history of visits. This model can be used in the technical analysis of the site. To assess the performance of advertising campaigns, use the Last significant transition model.


```

        182452,
        234588),
AttributionModels = c("LSC", "LC"),
                        IncludeVAT      = "YES",
                        IncludeDiscount = "NO",
                        Login           = "client_login",
                        TokenPath      = tempdir()

# For get data from agency client account
statAgency <- yadirGetReport(ReportType = "ACCOUNT_PERFORMANCE_REPORT",
                             DateRangeType = "CUSTOM_DATE",
                             DateFrom = "2018-01-01",
                             DateTo = "2018-05-10",
                             FieldNames = c("AdNetworkType",
                                             "Impressions",
                                             "Clicks",
                                             "Cost"),
                             IncludeVAT = "YES",
                             IncludeDiscount = "NO",
                             Login = "client_login",
                             AgencyAccount = "agency_login",
                             TokenPath = tempdir())

## End(Not run)

```

yadirGetSiteLinks *Get Fast Links*

Description

Returns sets of quick links that meet the specified criteria.

Usage

```

yadirGetSiteLinks(
  Login = getOption("ryandexdirect.user"),
  Token = NULL,
  Ids = NULL,
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  TokenPath = yadirTokenPath()
)

```

Arguments

Login	character, your logins at Yandex Direct, require
Token	character, your Yandex Direct API Token, require
Ids	integer vector, ids of sitelinks sets
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data

Value

data frame with SiteLinks parameters, id, title, href and description

Author(s)

Alexey Seleznev

Examples

```
## Not run:
# Recommendation, please choose another TokenPath to save the Login permanently.
sl <- yadirGetSiteLinks(Login      = "your.yandex.login",
  Ids          = c(5276537,
                  8927897239,
                  252627,
                  33123),
  TokenPath    = tempdir())

## End(Not run)
```

yadirGetToken *Auth in 'Yandex Direct' API*

Description

Simplified, one-step API authorization.

Usage

```
yadirGetToken(Login = NULL, TokenPath = yadirTokenPath())
```

Arguments

Login character, your login at Yandex, require
TokenPath Path to directory where you save credential data

Value

R object with api token

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
myToken <- yadirGetToken(TokenPath = tempdir())

## End(Not run)
```

```
yadirGetWordStatReport
      Get WordStat Report
```

Description

Returns a search query statistics report from 'Wordstat'.

Usage

```
yadirGetWordStatReport(
  Phrases,
  GeoID      = 0,
  Login      = getOption("ryandexdirect.user"),
  Token      = NULL,
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  TokenPath  = yadirTokenPath())
```

Arguments

Phrases	character vector with yandex direct campaign ID, require
GeoID	character vector, an array of key phrases for which you want to obtain statistics on search queries
Login	integer, An array of region identifiers. Allows you to get statistics on search queries made only in the specified regions, see yadirGetDictionary
Token	character, your Yandex Direct API Token, require
AgencyAccount	Your agency account login, if you get statistic from client account
TokenPath	Path to directory where you save credential data

Value

Data Frame

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
# get wordstat report
wsrep <- yadirGetWordStatReport(
  Phrases = 'samsung smartphone',
  Login = "abekker.ru.2017")

wsrep[['SearchedAlso']]
wsrep[['SearchedWith']]

## End(Not run)
```

yadirSetAgencyAccount *Set Agency Account*

Description

Set yandex direct Agency Account in current R session.

Usage

```
yadirSetAgencyAccount(AgencyAccount, TokenPath = yadirTokenPath())
```

Arguments

TokenPath Path to directory where you save credential data
AgencyAccount Character, username of agency account in Yandex

Value

TRUE

Author(s)

Alexey Seleznev

Examples

```
## Not run:
yadirSetAgencyAccount('my_agency')

## End(Not run)
```

yadirSetAutoKeyWordsBids
Auto Set KeyWords Bids

Description

Assigns search phrases for phrases depending on the desired volume of traffic or rates in networks depending on the desired frequency of display (audience share).

Usage

```
yadirSetAutoKeyWordsBids(
    KeywordIds          = NULL,
    AdGroupIds          = NULL,
    CampaignIds         = NULL,
    TargetTrafficVolume = NULL,
    SearchIncreasePercent = NULL,
    SearchBidCeiling    = NULL,
    TargetCoverage      = NULL,
    NetworkIncreasePercent = NULL,
    NetworkBidCeiling   = NULL,
    Login               = getOption("ryandexdirect.user"),
    Token               = NULL,
    AgencyAccount       = getOption("ryandexdirect.agency_account"),
    TokenPath           = yadirTokenPath())
```

Arguments

KeywordIds	Phrase ID. Specified if you want to update the bid for an individual phrase.
AdGroupIds	Ad Group ID. Specified if you need to update bids for all group phrases.
CampaignIds	Campaign ID. Specified if you need to update bids for all campaign phrases.
TargetTrafficVolume	The desired amount of traffic on the search. It is specified in percents from 5 to 100. The surcharge is added to the rate corresponding to the selected traffic volume (see the SearchIncreasePercent parameter).
SearchIncreasePercent	Percentage of markup on search from 0 to 1000. If not specified, the markup is not calculated.
SearchBidCeiling	Limit on bid on search. Integer. Indicated in the currency of the advertiser.
TargetCoverage	The desired frequency of display (audience share) in the networks. It is specified in percents from 1 to 100. The surcharge is added to the rate corresponding to the selected display frequency (see the NetworkIncreasePercent parameter).
NetworkIncreasePercent	Percentage of markup on network from 0 to 1000. If not specified, the markup is not calculated.

NetworkBidCeiling	Limit on network bid. Integer. Indicated in the currency of the advertiser.
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Search.

The rate corresponding to the traffic volume $\text{TargetTrafficVolume} \times (1 + \text{SearchIncreasePercent} / 100)$, but no more SearchBidCeiling.

Over time, the activity of competitors can raise the rate for the desired amount of traffic, and it will exceed the advertiser's rate. The higher the surcharge, the greater the volume of traffic, but the higher the possible costs.

Network.

The rate corresponding to the display frequency $\text{TargetCoverage} \times (1 + \text{NetworkIncreasePercent} / 100)$, but no more NetworkBidCeiling.

Over time, the activity of competitors can raise the bid for the desired frequency of display, and it will exceed the advertiser's bid. The higher the surcharge, the higher the frequency of display, but the higher the possible costs.

Value

List with result data, object ids, warnings and errors.

Author(s)

Alexey Seleznev

References

[KeyWord Bids API documentation](#) [KeyWord Bids setAuto method API documentation](#)

Examples

```
## Not run:
# loading keywords list
kw <- yadirGetKeyWords()
# set bid on search
autosetbids_search <-
  yadirSetAutoKeyWordsBids(TargetTrafficVolume = 5,
                           KeywordIds = kw$Id)
# set bid on network
autosetbids_network <-
  yadirSetAutoKeyWordsBids(TargetCoverage = 15,
                           KeywordIds = KeywordIds)

## End(Not run)
```

yadirSetKeyWordsBids *Set KeyWords Bids*

Description

Assigns fixed bids and priorities for keyword phrases and auto-targeting.

Usage

```
yadirSetKeyWordsBids(
  KeywordIds      = NULL,
  AdGroupIds      = NULL,
  CampaignIds     = NULL,
  StrategyPriority = c(NA,
                      "LOW",
                      "NORMAL",
                      "HIGH"),
  SearchBid       = NULL,
  NetworkBid      = NULL,
  Login           = getOption("ryandexdirect.user"),
  Token           = NULL,
  AgencyAccount   = getOption("ryandexdirect.agency_account"),
  TokenPath       = yadirTokenPath())
```

Arguments

KeywordIds	Phrase ID. Specified if you want to update the bid for an individual phrase.
AdGroupIds	Ad Group ID. Specified if you need to update bids for all group phrases.
CampaignIds	Campaign ID. Specified if you need to update bids for all campaign phrases.
StrategyPriority	The priority of the phrase: LOW, NORMAL or HIGH. Only for automatic strategy.
SearchBid	Bid on search.
NetworkBid	Bid on network.
Login	Your Yandex Login.
AgencyAccount	Your agency account login, if you get statistic from client account.
Token	Your Yandex API Token.
TokenPath	Path to directory where you save credential data.

Details

You can set a bet or priority:

- for a separate keyword phrase or autotarget.

yadirSetLogin	<i>Set Login</i>
---------------	------------------

Description

Set yandex direct login in current R session.

Usage

```
yadirSetLogin(Login, TokenPath = yadirTokenPath())
```

Arguments

TokenPath	Path to directory where you save credential data
Login	Character, your username in Yandex

Value

TRUE

Author(s)

Alexey Seleznev

Examples

```
## Not run:  
yadirSetLogin('my_name')  
  
## End(Not run)
```

yadirStartAds	<i>Start Ads</i>
---------------	------------------

Description

Resumes ad impressions previously stopped by the owner.

Usage

```
yadirStartAds(Login = getOption("ryandexdirect.user"), Ids = NULL,  
              Token = NULL,  
              AgencyAccount = getOption("ryandexdirect.agency_account"),  
              TokenPath = yadirTokenPath())
```

Arguments

Ids	Integer or Character vector with Ads Ids, who will resume impressions
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Function resume impressions and return vector with Ads Ids with error.

Value

Vector with ads ids which failed to resume impressions

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
# Get API token
tok <- yadirGetToken(TokenPath = tempdir())

# Get ads dictionary
my_ads <- yadirGetAds(Login = "LOGIN",
                     Token = tok,
                     States = c("SUSPENDED", "OFF"))

# Resume impressions
err <- yadirStartAds(Login = "LOGIN",
                    Token = tok,
                    Ids = my_ads$Id)

## End(Not run)
```

yadirStartCampaigns *Start Campaigns*

Description

Resumes impressions at the campaign level.

Usage

```
yadirStartCampaigns(Login = getOption("ryandexdirect.user"),  
                    Ids = NULL, Token = NULL,  
                    AgencyAccount = getOption("ryandexdirect.agency_account"),  
                    TokenPath = yadirTokenPath())
```

Arguments

Ids	Integer or Character vector with Campaigns Ids, who will resume impressions
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Function resume impressions and return vector with Campaigns Ids with error.

Value

Vector with campaigns ids which failed to resume impressions

Author(s)

Alexey Seleznev

Examples

```
## Not run:  
# Get API token  
### !!!Please choose another TokenPath to save the Login permanently.  
tok <- yadirGetToken(TokenPath = tempdir())  
  
# Get camp dictionary  
my_camp <- yadirGetCampaignList(Login = "Login", Token = tok,  
                                TokenPath = tempdir())  
  
# Resume impressions  
err <- yadirStartCampaigns(Login = "LOGIN", Token = tok, Ids = my_camp$Id,  
                            TokenPath = tempdir())  
  
## End(Not run)
```

yadirStartKeyWords *Resume KeyWords*

Description

Resumes impressions on previously stopped keyword phrases and auto-targeting.

Usage

```
yadirStartKeyWords(Login = getOption("ryandexdirect.user"), Ids = NULL,
  Token = NULL,
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  TokenPath = yadirTokenPath())
```

Arguments

Ids	Integer or Character vector with KeyWords Ids, who will resume impressions
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Function resume impressions and return vector with KeyWords Ids with error.

Value

Vector with keywords ids which failed to resume impressions

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
# Get API token
tok <- yadirGetToken(TokenPath = tempdir())

# Get camp dictionary
my_camp <- yadirGetCampaignList(Login = "Login",
  Token = tok,
  TokenPath = tempdir())

# Get keywords dictionary
```

```
my_kw <- yadirGetKeyWords(Login = "Login", Token = tok,
                          CampaignIds = my_camp$Id[1:10],
                          TokenPath = tempdir())

# Resume impressions
err <- yadirStartKeyWords(Login = "LOGIN", Token = tok,
                          Ids = my_kw$Id,
                          TokenPath = tempdir())

## End(Not run)
```

yadirStopAds

Suspend impressions by Ads

Description

Stops Ad Impressions in 'Yandex Direct' accounts.

Usage

```
yadirStopAds(Login = getOption("ryandexdirect.user"), Ids = NULL,
             Token = NULL, AgencyAccount = getOption("ryandexdirect.agency_account"),
             TokenPath = yadirTokenPath())
```

Arguments

Ids	Integer or Character vector with Ads Ids, who will suspend impressions
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Function resume impressions and return vector with Ads Ids with error.

Value

Vector with ads ids which failed to suspend impressions

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
# Get API token
tok <- yadirGetToken(Login = "LOGIN",
                    TokenPath = tempdir())

# Get Campaigns
my_camp <- yadirGetCampaignList(Login = "LOGIN",
                              Token = tok)

# Get ads dictionary
my_ads <- yadirGetAds(Login = "LOGIN",
                    Token = tok,
                    States = "ON",
                    CampaignIds = my_camp$Id[1:10])

# Resume impressions
err <- yadirStopAds(Login = "LOGIN", Token = tok, Ids = my_ads$Id)

## End(Not run)
```

yadirStopCampaigns *Suspend impressions by Campaigns*

Description

Suspend impressions by campaigns in 'Yandex Direct' account

Usage

```
yadirStopCampaigns(
  Login = getOption("ryandexdirect.user"), Ids = NULL,
  Token = NULL,
  AgencyAccount = getOption("ryandexdirect.agency_account"),
  TokenPath = yadirTokenPath())
```

Arguments

Ids	Integer or Character vector with Campaigns Ids, who will suspend impressions
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Function suspend impressions and return vector with Campaigns Ids with error.

Value

Vector with campaigns ids which failed to suspend impressions

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
# Get API token
tok <- yadirGetToken(TokenPath = tempdir())

# Get camp dictionary
my_camp <- yadirGetCampaignList(Login = "Login", Token = tok)

# Resume impressions
err <- yadirStopCampaigns(Login = "LOGIN", Token = tok, Ids = my_camp$Id)

## End(Not run)
```

yadirStopKeyWords *Suspend impressions by KeyWords*

Description

Stops impressions by keyword phrases and autotargeting.

Usage

```
yadirStopKeyWords(Login = getOption("ryandexdirect.user"), Ids = NULL,
                  Token = NULL, AgencyAccount
                  = getOption("ryandexdirect.agency_account"),
                  TokenPath = yadirTokenPath())
```

Arguments

Ids	Integer or Character vector with KeyWords Ids, who will suspend impressions
Login	Your Yandex Login
AgencyAccount	Your agency account login, if you get statistic from client account
Token	Your Yandex API Token
TokenPath	Path to directory where you save credential data

Details

Function suspend impressions and return vector with KeyWords Ids with error.

Value

Vector with keywords ids which failed to suspend impressions

Author(s)

Alexey Seleznev

Examples

```
## Not run:
### Please choose another TokenPath to save the Login permanently.
# Get API token
tok <- yadirGetToken(TokenPath = tempdir())

# Get camp dictionary
my_camp <- yadirGetCampaignList(Login = "Login", Token = tok)

# Get keywords dictionary
my_kw <- yadirGetKeyWords(Login = "Login", Token = tok, CampaignIds = my_camp$Id[1:10])

# Resume impressions
err <- yadirStopKeyWords(Login = "LOGIN", Token = tok, Ids = my_kw$Id)

## End(Not run)
```

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