

Package ‘kintone’

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Type Package

Title kintone REST client package for R

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Author Ryu Yamashita

Maintainer Ryu Yamashita <yamaryu0508@gmail.com>

Description This package allows one to compose kintone REST API requests and convenient functions to convert kintone-JSON/R-Objects in R scriptings.

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URL <https://github.com/yamaryu0508>

Depends methods, RCurl, rjson

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deleteRecords	<i>delete several records</i>
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Description

delete several records from kintone with HTTPS DELETE method.

Arguments

app	application ID [required]
ids	ids object [required]
spaceId	space ID [optional/cannot omit while accessing to guest space]

Value

empty list	empty object (R-list)
------------	-----------------------

Methods

```
deleteRecords(app, ids, spaceId=spaceId)
```

Author(s)

Ryu Yamashita

References

Cybozu official page http://developers.kintone.com/kintone-apis/app-apis/record-delete-api.html#Batch_Record_Update_API

Examples

```
#####
#
# Delete several records
#
#####

kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 113 # application ID
ids <- list(1240, 1241) # record IDs (R-list)
kintone@deleteRecords(app, ids)
```

downloadFile	<i>download a file</i>
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Description

download a file from kintone with HTTPS GET method.

Arguments

fileKey	file key to be downloaded [required]
fileName	file name to be downloaded [optional(default file name is "kintone.txt")]

Details

(NOTE) can download text files only in this method now.

Value

empty list	empty object (R-list)
------------	-----------------------

Methods

downloadfile(fileKey, fileName)

Author(s)

Ryu Yamashita

References

Cybozu official page <http://developers.kintone.com/kintone-apis/app-apis/file-download.html>

See Also

[uploadFile](#)

Examples

```
#####
#
# Download a file
#
#####

kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
fileKey <- "87115c38-908e-40ea-b10b-fe8a26698b55" # file key
kintone@downloadFile(fileKey)
```

getRecord	<i>single record retrieval</i>
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Description

retrieve a single record from kintone with HTTPS GET method.

Arguments

app	application ID [required]
id	record ID [required]
spaceId	space ID [optional/cannot omit while accessing to guest space]

Value

record	record object (R-list)
--------	------------------------

Methods

```
getRecord(app, id, spaceId = spaceId)
```

Author(s)

Ryu Yamashita

References

Cybozu official page http://developers.kintone.com/kintone-apis/app-apis/record-retrieval-api.html#Assign_by_Record_Number

See Also

[getRecords](#)

Examples

```
#####
#
# Retrieve single record
#
#####

kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 7 # application ID
id <- 7 # record ID
kintone@getRecord(app, id)

#####
#
# Retrieve single record from guest space
#
#####
```

```
kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 220 # application ID
id <- 7 # record ID
spaceId <- 2 # space ID
kintone@getRecord(app, id, spaceId=spaceId)
```

getRecords

*several records retrieval***Description**

retrieve several records from kintone with HTTPS GET method.

Arguments

app	application ID [required]
query	query [optional]
fields	fields [optional]
spaceId	space ID for accessing to guest spaces [optional/cannot omit while accessing to guest space]

Value

records	records object (R-list)
---------	-------------------------

Methods

```
getRecords(app, spaceId = spaceId, query = query, fields = fields)
```

Author(s)

Ryu Yamashita

References

Cybozu official page http://developers.kintone.com/kintone-apis/app-apis/record-retrieval-api.html#Assign_by_Conditions_by_Query_Strings

See Also

[getRecord](#)

Examples

```
#####
#
# Retrieve several records
#
#####
```

```
kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
```

```

app <- 113 # application ID
kintone@getRecords(app) # request with no options

query <- ' createDay > "2014-02-28" and createDay < "2014-03-02" ' # query strings
kintone@getRecords(app, query=query) # request with "query" option

fields <- list("createDay", "lat", "lon") # fields list (R-list)
kintone@getRecords(app, fields=fields) # request with "fields" option

kintone@getRecords(app, query=query, fields=fields) # request with "query" and "fields" options

#####
#
# Retrieve several records from guest space
# (NOTE) allowed to set "query" and/or "fields" options
#
#####

kintone1 <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 220 # application ID
spaceId <- 2 # space ID
kintone1@getRecords(app, spaceId=spaceId)

```

Kintone

initialize/declare kintone object for R

Description

initialize/declare kintone object for R

Usage

```
Kintone(domain, id, passWord, basicId, basicPassWord)
```

Arguments

domain	cybozu.com domain [required]
id	user ID for cybozu.com [required]
passWord	password for cybozu.com [required]
basicId	user ID (basic authentication) for cybozu.com [optional]
basicPassWord	password (basic authentication) for cybozu.com [optional]

Value

Kintone object kintone object

Author(s)

Ryu Yamashita

Examples

```
kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
```

registRecord	<i>regist a single record</i>
--------------	-------------------------------

Description

regist a single record to kintone with HTTPS POST method.

Arguments

app	application ID [required]
record	record object [required]
spaceId	space ID [optional/cannot omit while accessing to guest space]

Value

record number list
 record number to be registered (R-list)

Methods

```
registRecord(app, id, spaceId = spaceId)
```

Author(s)

Ryu Yamashita

References

Cybozu official page http://developers.kintone.com/kintone-apis/app-apis/record-register-api.html#Record_Register_API

See Also

[registRecords](#)

Examples

```
#####
#
#  Regist a single record
#
#####

kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 113 # application ID
record <- c(list("lat"=list("value"=31.7401)),
            list("lon"=list("value"=130.7536))
            ) # record (kintone-like R-vector)
kintone@registRecord(app, record)
```

registRecords	<i>regist several records</i>
---------------	-------------------------------

Description

regist several records to kintone with HTTPS POST method.

Arguments

app	application ID [required]
records	records object [required]
spaceId	space ID [optional/cannot omit while accessing to guest space]

Value

record numbers list
 record numbers to be registered (R-list)

Methods

registRecords(app, records, spaceId=spaceId)

Author(s)

Ryu Yamashita

References

Cybozu official page http://developers.kintone.com/kintone-apis/app-apis/record-register-api.html#Batch_Record_Register_API

See Also

[registRecord](#)

Examples

```
#####
#
# Regist several records
#
#####

kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 113 # application ID
records <- list(c(list("lat"=list("value"=31.7401)),
                  list("lon"=list("value"=130.7536))
                ),
               c(list("lat"=list("value"=51.7401)),
                 list("lon"=list("value"=150.7536))
               )
              ) # records (kintone-like R-list)
kintone@registRecords(app, records)
```

updateRecord	<i>update a single record</i>
--------------	-------------------------------

Description

update a single record to kintone with HTTPS PUT method.

Arguments

app	application ID [required]
id	record ID [required]
record	record object [required]
spaceId	space ID [optional/cannot omit while accessing to guest space]

Value

empty list	empty object (R-list)
------------	-----------------------

Methods

updateRecord(app, id, spaceId = spaceId)

Author(s)

Ryu Yamashita

References

Cybozu official page http://developers.kintone.com/kintone-apis/app-apis/record-update-api.html#Record_Update_API

See Also

[updateRecords](#)

Examples

```
#####
#
# Update a single record
#
#####

kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 113 # application ID
id <- 1245 # record ID
record <- c(list("lat"=list("value"=31.7401)),
            list("lon"=list("value"=130.7536)))
            ) # record (kintone-like R-vector)
kintone$updateRecord(app, id, record)
```

updateRecords	<i>update several records</i>
---------------	-------------------------------

Description

update several records to kintone with HTTPS PUT method.

Arguments

app	application ID [required]
records	records object [required]
spaceId	space ID [optional/cannot omit while accessing to guest space]

Value

empty list	empty object (R-list)
------------	-----------------------

Methods

updateRecords(app, records, spaceId=spaceId)

Author(s)

Ryu Yamashita

References

Cybozu official page http://developers.kintone.com/kintone-apis/app-apis/record-update-api.html#Batch_Record_Update_API

See Also

[updateRecord](#)

Examples

```
#####
#
# Update several records
#
#####

kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
app <- 113 # application ID
records <- list(list("id"=1244,
                    "record"=c(list("lat"=list("value"=31.7401)),
                               list("lon"=list("value"=130.7536))
                    ),
                list("id"=1245,
                    "record"=c(list("lat"=list("value"=51.7401)),
                               list("lon"=list("value"=150.7536))
                    )
                )
)
```

```

    )
  ) # records (kintone-like R-list)
  kintone@updateRecords(app, records)

```

uploadFile

upload a file

Description

upload a file to kintone with HTTPS POST method.

Arguments

fileName file name to be uploaded [required]

Value

fileKey file key to be used for binding to kintone filed

Methods

uploadfile(fileName)

Author(s)

Ryu Yamashita

References

Cybozu official page <http://developers.kintone.com/kintone-apis/app-apis/file-upload.html>

See Also

[downloadFile](#), [registRecord](#), [registRecords](#), [updateRecord](#), [updateRecords](#)

Examples

```

#####
#
# Upload a file
#
#####
# build text file for upload example
xml <- getURL(url="http://76.79.48.112/data.xml")
write(xml,file="./kintone.xml")
#
# upload a file, "kintone.xml"
kintone <- Kintone("hakata.cybozu.com", "r-kintone", "r-kintone") # declare Kintone object
  fileName <- "./kintone.xml" # file name
  kintone@uploadFile(fileName)

```

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