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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Depends methods, RCurl, rjson

R topics documented:

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deleteRecords   *delete several records*

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 *download a file*

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   *single record retrieval*

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	*regist a single record*

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 registed (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   *regist several records*

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 registed (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   *update a single record*

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   *update several records*

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)
```

Index