

cl-gdata API reference

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Chapter 1

The cl-gdata-service package

cl-gdata-service package.

1.1 Other functions

`authenticates` *gdata-service* *[Function]*

ARGUMENTS

`gdata-service` — a `gdata-service` instance

CONDITION TYPES SIGNALLED

- `gdata-service-error`
- `gdata-error`

DETAILS

Make a HTTP request to authenticate. If HTTP return code is 200, update the AUTH token of `gdata-service`.

SEE ALSO

- `gdata-service`

`check-account-type` *account-type* *[Function]*

ARGUMENTS

`account-type` — The Google account type. Must be one of `:google`, `:hosted-or-google` or `:hosted`

RETURN VALUES

True is this Google account type is available.

CONDITION TYPES SIGNALLED

- `gdata-error`

DETAILS

Check if the Google account type is available.

`gdata-service-account-type` *object* *[Function]*

ARGUMENTS

`instance` — a `gdata-service`

RETURN VALUES

a keyword

DETAILS

Return the type of account to use. Use `:google` for regular Google accounts or `:hosted` for Google Apps accounts, or `:hosted-or-google` to try finding a hosted account first and, if it doesn't exist, try finding a regular Google account. Default value: `:hosted-or-google`.

SEE ALSO

- `gdata-service`

`gdata-service-auth` *object*

[*Function*]

ARGUMENTS

instance — a `gdata-service`

RETURN VALUES

a string

DETAILS

The auth token used for authenticating requests

SEE ALSO

- `gdata-service`

`gdata-service-email` *object*

[*Function*]

ARGUMENTS

instance — a `gdata-service`

RETURN VALUES

a string

DETAILS

Return the email of the Google account.

SEE ALSO

- `gdata-service`

`gdata-service-password` *object*

[*Function*]

ARGUMENTS

instance — a `gdata-service`

RETURN VALUES

a string

DETAILS

Return the password of the Google account.

SEE ALSO

- `gdata-service`

`gdata-service-service` *object*

[*Function*]

ARGUMENTS

instance — a `gdata-service`

RETURN VALUES

a string

DETAILS

The desired service for which credentials will be obtained.

SEE ALSO

- `gdata-service`

`gdata-service-source` *object*

[*Function*]

ARGUMENTS

instance — a `gdata-service`

RETURN VALUES

a string

DETAILS

Return the name of the user's application.

SEE ALSO

- `gdata-service`

1.2 Other classes

`gdata-error`

[*Class*]

SUPERCLASSES

`common-lisp:simple-error`, `common-lisp:simple-condition`, `common-lisp:error`, `common-lisp:serious-condition`, `common-lisp:condition`, `sb-pcl::slot-object`, `common-lisp:t`

DOCUMENTED SUBCLASSES

`gdata-request-error` , `gdata-service-error`

DETAILS

GData main error.

`gdata-request-error`

[*Class*]

SUPERCLASSES

`gdata-error` , `common-lisp:simple-error`, `common-lisp:simple-condition`, `common-lisp:error`, `common-lisp:serious-condition`, `common-lisp:condition`, `sb-pcl::slot-object`, `common-lisp:t`

DOCUMENTED SUBCLASSES

None

DETAILS

Condition raised when an invalide request to theGoogle web services is performed.

gdata-service

[*Class*]

SUPERCLASSES

common-lisp:standard-object, sb-pcl::slot-object, common-lisp:t

DOCUMENTED SUBCLASSES

gdata-picasa

SLOT ACCESS FUNCTIONS

- gdata-service-email
- gdata-service-password
- gdata-service-account-type
- gdata-service-service
- gdata-service-source
- gdata-service-auth

DETAILS

The superclass of all Google service. Subclasses of **gdata-service** represents Google service available using cl-gdata : Picasa.

gdata-service-error

[*Class*]

SUPERCLASSES

gdata-error , common-lisp:simple-error, common-lisp:simple-condition, common-lisp:error, common-lisp:serious-condition, common-lisp:condition, sb-pcl::slot-object, common-lisp:t

DOCUMENTED SUBCLASSES

None

DETAILS

Condition raised when the Google web services are down.

1.3 Other variables

`+gdata-atom+` [*Variable*]

No documentation string. Possibly unimplemented or incomplete.

`+gdata-bad-request+` [*Variable*]

DETAILS

Invalid request URI or header, or unsupported nonstandard parameter.

`+gdata-conflict+` [*Variable*]

DETAILS

Specified version number doesn't match resource's latest version number.

`+gdata-created+` [*Variable*]

DETAILS

Creation of a resource was successful.

`+gdata-forbidden+` [*Variable*]

DETAILS

Unsupported standard parameter, or authentication or authorization failed.

`+gdata-internal-error+` [*Variable*]

DETAILS

Internal error. This is the default code that is used for all unrecognized errors.

`+gdata-not-found+` [*Variable*]

DETAILS

Resource (such as a feed or entry) not found.

`+gdata-not-modified+` [*Variable*]

DETAILS

The resource hasn't changed since the time specified in the request's If-Modified-Since header.

`+gdata-ok+` [*Variable*]

DETAILS

No error.

`+gdata-unauthorized+` [*Variable*]

DETAILS

Authorization required.

`*source*` [*Variable*]

No documentation string. Possibly unimplemented or incomplete.

Chapter 2

The cl-gdata-picasa package

cl-gdata-picasa package. The Picasa Web Albums Data API allows for websites and programs to integrate with Picasa Web Albums.

2.1 Other functions

`add-album` *gdata-picasa user title summary location access keywords* [Function]

ARGUMENTS

`gdata-picasa` — a `gdata-picasa` instance

`user` — An username

`title` — Title of the photos album

`summary` — A summary / description for this album

`location` — Place for a geolocation of this album

`access` — `private` or `public`. Public albums are searchable by everyone on the internet. Defaults to `public`

`keywords` — A String, keywords separated by coma

RETURN VALUES

A string

DETAILS

Add a new album for user. Needs authentication. Return a string which contains XML format representing the new album feed.

SEE ALSO

- `gdata-picasa`

`add-photo gdata-picasa user album filename` *[Function]*

ARGUMENTS

`gdata-picasa` — a `gdata-picasa` instance

`user` — An username

`album` — Name of the photos album

`filename` — The image filename

RETURN VALUES

A string

DETAILS

Add a photo for user's album. Needs authentication. Return a string which contains XML format representing the photo feed.

SEE ALSO

- `gdata-picasa`

`list-albums gdata-picasa user &key authentication-p` *[Function]*

ARGUMENTS

`gdata-picasa` — a `gdata-picasa` instance

`user` — An username

`authentication-p` — Specify if the request is done with authentication or not

RETURN VALUES

A string

CONDITION TYPES SIGNALLED

- gdata-request-error

DETAILS

Get a feed of an user's albums. Return a string in XML format which contains the list of albums.

SEE ALSO

- gdata-picasa

`list-photos` *gdata-picasa user album &key* *[Function]*
 authentication-p

ARGUMENTS

`gdata-picasa` — a `gdata-picasa` instance

`user` — An username

`album` — Name of the photos album

`authentication-p` — Specify if the request is done with authentication or not

RETURN VALUES

A string

CONDITION TYPES SIGNALLED

- gdata-request-error

DETAILS

Get a feed listing all of the photos in an album belonging to an user. Return a string in XML format which contains the list of photos in this album.

SEE ALSO

- gdata-picasa

`make-gdata-picasa` *email password* *[Function]*
 &key (*account-type hosted-or-google*)

ARGUMENTS

email — The email of the Google account

password — The password of the Google account

CONDITION TYPES SIGNALLED

- `gdata-error`

DETAILS

Creates a new `gdata-picasa` object.

2.2 Other classes

`gdata-picasa` *[Class]*

SUPERCLASSES

`gdata-service` , `common-lisp:standard-object`, `sb-pcl::slot-object`, `common-lisp:t`

DOCUMENTED SUBCLASSES

None

RETURNED BY

- `make-gdata-picasa`

INHERITED SLOT ACCESS FUNCTIONS

- `gdata-service-email`
- `gdata-service-password`
- `gdata-service-account-type`

- gdata-service-service
- gdata-service-source
- gdata-service-auth

DETAILS

A GData Picasa service.

2.3 Other variables

`*print-picasa*`

[*Variable*]

DETAILS

If T, write the customized presentation of the cl-gdata-picasa objects.

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