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Version 9, last updated by xjansen at 2010-11-17

Directory classes

Description: Directory containing PHP classes

\_includes.php

Description: Includes all other includes and sets \$filesenderbase to the location of the current file.

AuthSaml.php

**Description:** Contains the AuthSaml class

#### Class AuthSaml

**Description:** Handles the SAML authentication

methods:

- public:
  - **getInstance()** returns the singleton instance
  - **authIsAdmin()** checks if a user is SAML authenticated and is administrator. returns true/false used by flex to display admin features
  - **sAuth()** returns SAML authenticated user information as json array
  - **logonURL()** returns logon URL from SAML and returns string for flex
  - **logoffURL()** returns logon OFF URL from SAML and returns string for flex
  - **isAuth()** checks SAML for authenticated user: returns true/false

#### AuthVoucher.php

**Description::** Contains the AuthVoucher class

#### Class AuthVoucher

**Description:** voucher related functions

methods:

- public:
  - **getInstance()** returns the singleton instance
  - **aVoucher()** - check if a voucher exists and returns true/false
  - **validVoucher()** - check if a voucher exists and is available and returns found/notfound/invalid/none (for flex application)
  - **getVoucher()** - returns voucher as json array

#### DB.php

**Description:** functions for database connection. Uses config.php settings for database access.

#### Class DbException

**extends:** extends Exception

**Description:** Exception raised in case of database problem

#### Class DbConnectException

**extends:** DbException

**Description:** Exception raised in case of connect problem

#### Class DB

**Description:** Represents database connection

methods:

- public
  - **getInstance()** returns the singleton instance
  - **connect()** connect to the database. returns reference to postgresql connection. Raises DbConnectException in case of connect problem
  - **fquery()** executes query and arguments (???)
  - **query(\$query)** check connection and call **DoQuery** with *\$query*
  - **buildQuery()** Combine supplied arguments in one query
  - **doQuery(\$handle, \$query)** executes the SQL query in *\$query*

properties:

- *\$connection* reference to postgresql connection

## DB\_Input\_Checks.php

**Description:** Contains class DB\_Input\_checks and some functions

- **ip2long6(\$ipv6)** converts IPv6 address to a long number
- **long2ip6(\$ipv6long)** converts long number to IPv6 address
- **checkdateformat(\$date, \$dateformat)** returns date, TODO: FUNCTION NOT FINISHED

## Class DB\_Input\_Checks

**Description:** Takes care of the input checks required in sql queries. Each check return the value or the report the error in errorReporting. All the Vars will go through a mysqlEscape function, in this function different ways of general string filtering can be used.

methods:

- public:
  - **getInstance()** returns the singleton instance
  - **checkEmail(\$email)** check if an email address if valid
  - **checkURL(\$url)** check if a URL is valid
  - **checkIp(\$ip)** returns sanitized IPv4 address
  - **checkIp6(\$ip)** returns sanitized IPv6 address
  - **errorReport(\$errorMessage)** empty functions used for error reporting, TODO: FUNCTION NOT FINISHED

## EN\_AU.php

**Description:** Contains class EN\_AU

## Class EN\_AU

**Description:** EN\_AU language file for flex application. Contains a mapping from strings used internally in the code to Australian English.

methods:

- public:
  - **language()** returns the *\$lang* array

properties:

- *\$lang* dictionary with mapping from string code used in source and real language

## Functions.php

**Description:** contains the class *Functions* and some functions

- **formatBytes(\$bytes, \$precision=2)** Format bytes into readable text format
- **getGUID()** Create Unique ID for vouchers
- **sanitizeFilename(\$filename)** Replace illegal chars with \_ character in supplied filenames
- **ensureSaneFileUid(\$fileuid)** Error if fileUid doesn't look sane

## Class Functions

**Description:**

methods:

- public:
  - **construct()** Constructor
  - **getInstance()** returns the singleton instance

- **getStats()** Return Basic Database Statistics e.g. Up xx Gb (files xx) | Down xx Gb (files xx)
- **getSplash()** Get Splash Screen text for all users
- **getConfig()** Return Specific config fields required by flex as JSON array
- **getVouchers()** Get Voucher for a specified user based on eduPersonTargetedID
- **getUserFiles()** Get Files for a specified user based on eduPersonTargetedID
- **adminLogs()** Return logs if users is admin
- **adminFiles()** Return Files if users is admin
- **getFile(\$dataitem)** Return file information based on filervoucheruid
- **getVoucher(\$vid)** Return voucher information based on filervoucheruid
- **downloadedFile()** Email and log when a file is downloaded
- **insertFile()** Insert new file or voucher
- **updateFile()** Update file or voucher
- **deleteVoucher(\$fileid)** Delete a voucher specified by \$fileid
- **closeVoucher(\$fileid)** Close a voucher specified by \$fileid
- **deleteFile(\$fileid)** Delete a voucher specified by \$fileid
- **getFileSize(\$filename)** return file size of file specified by \$filename
- **driveSpace()** Returns the total number of bytes as a float or FALSE on failure
- **moveFile()** move file from tmp directory to live directory and rename with Unique ID

properties:

- private:
  - **\$saveLog** reference the [Log instance](#)
  - **\$db** reference the [DB instance](#)
  - **\$CFG** reference the [Config instance](#)
  - **\$sendmail** reference to the [Mail instance](#)
  - **\$authsaml** reference to the [AuthSaml instance](#)
  - **\$authvoucher** reference to the [AuthVoucher instance](#)
  - **\$returnFields** These fields are returned without fileUID to stop unauthorized users accessing the fileUID

## Log.php

**Description:** Contains the Class Log

### Class Log

**Description:** Logging functions, used for logging to a log storage

methods:

- public:
  - **getInstance()** Returns the singleton instance
  - **saveLog(\$dataitem, \$logType, \$message)** Save Log Data
  - **logProcess(\$client, \$message)** logfile for individual client specific logging. calls to this function are from glex/flash if client specific logging is on

## Mail.php

**Description:** Contains the Class Mail

### Class Mail

**Description:** Mail functions, used for sending mail

methods:

- public:
  - **getInstance()** Returns the singleton instance
  - **sendemail(\$mailobject, \$template)** Send mail

- **sendemailAdmin(\$message)** Send admin mail messages

## Directory includes

### EnsureHTTPS.php

**Description:** Destroy session when used HTTP (not HTTPS) and ForceSSL is set in config

### ErrorHandler.php

**Description:** Error handling functions

functions:

- **customException(\$exception)** Custom exception
- **customError(\$errno, \$errstr, \$errfile, \$errline)** Custom error
- **logEntry(\$message)** general log function for flex logging

### UTF8.php

**Description:** UTF-8/International Character handling related functions

functions:

- **detectLatin1(\$string)** Simple check for ISO-8859-1
- **detectUTF8(\$string)** Simple check for UTF-8
- **detect\_char\_encoding(\$string)** detect the required charset MIME encoding for \$string, only distinguishes between US-ASCII, ISO-8859-1 and UTF-8
- **mime\_qp\_encode\_header\_value(\$string, \$charsetin, \$charsetout, \$crlf)** QP header encoding using iconv\_mime\_encode
- **utf8tohtml(\$utf8, \$encodeTags)** converts a UTF8-string into HTML entities

## Directory config

### config.php

**Description:** Contains the Class Config and let\_to\_num function

functions:

- **let\_to\_num(\$v)** - transforms the php.ini notation for numbers (like '2M') to an integer (210241024 in this case)

### Class Config

**Description:** Empty class containing the loadConfig method

methods:

- public:
  - **getInstance()** Returns the singleton instance
  - **loadConfig()** return dictionary with all configuration variables

## Directory cron

### cron.php

**Description:** This script should be called by the cron daemon on a regular interval to remove files that have expired and close the expired files in the database

functions:

- **cleanUp()** Clean up missing file, removes out of date files and vouchers. return true if successful, false

in case of error

- `logProcess($client, $message) ??`

## Directory `www`

### `about.php`

**Description:** Displays a custom About page

### `createxls.php`

**Description:** return payload of `htmltable` POST variable into a excel document

### `fs_gears_upload.php`

**Description:** Upload using gears. Data is sent in chunks from google gears and appended to the file in the temporary folder

### `fs_main.php`

**Description:** Flex calls this for all requests except the actual file uploading.

`$POST['call']` defines the functions trigger from this call flex uses `HTTPService` calls to talk to php and returns results as text or json text e.g. `<mx:HTTPService id="init_main" url="../../fs_main.php{URLvid}" useProxy="false" method="POST" resultFormat="text" result="resultInIt(event)" fault="resultError(event)"/>`

TODO: expand

### `fs_uploadit.php`

**Description:** Upload file from flex application and move into `site_filestore` folder. returns string: `moveOk`, `moveError`, `invalidAuth` back to flex

### `help.php`

**Description:** Displays custom help page

### `index.php`

**Description:** Entry page , checking for flash, loads images and flex app.

### `invalidvoucher.php`

**Description:** Displays invalid voucher page

### `displayimage.php`

**Description:** Will call function `displayimage()` (inside)

Functions:

- `displayimage($customimage, $defaultimage)` will read and print the contents of `$customimage` if it exists, otherwise `$defaultimage`

### `download.php`

**Description:** download using PHP from a non web accessible folder. File is specified by a voucher ID (VID).

### `logout.php`

**Description:** Displays a logout html page. Doesn't do the logout itself.

### `vouchererror.php`

**Description:** Displays a invalid voucher page

Comments are disabled for this space. In order to enable comments, Messages tool must be added to project.  
[You can add Messages tool from Tools section on the Admin tab.](#)