# Phpunit Test Documentation

SaltOS 4.0 r1952

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# 1 Phpunit Libraries

### 1.1 Autoload file for the unit tests

lib/autoload.php

This file contains the code that initialize the unit tests

# 1.1.1 Importing namespaces

use PHPUnit\Framework\Assert;

#### 1.1.2 Main autoloader code

This code emmulates the index.php by loading all autoload files excep the zindex.php, initialize the timer and the random generator

# 1.2 Unit test helper functions

lib/utestlib.php

This file contains the functions used by the web and cli unit tests to get the coverage, too contains the pcov and mime helpers.

# 1.2.1 Importing namespaces

use SebastianBergmann\CodeCoverage\Data\RawCodeCoverageData;

# 1.2.2 Test PCOV start helper

function test\_pcov\_start(): void

This function puts the flag needed to enable the pcov feature, to do it, the function creates a void file and puts permissions to allow that other procs can write inside of it

### 1.2.3 Test PCOV stop helper

function test\_pcov\_stop(\$index): void

This function gets the contents of the coverage file and removes it, too, it does all needed things to append the collected coverage to the current unit test coverage instance

• @index => index used to get the backtrace, it depends from where you are calling this function, generally is 2 but in some cases you need to use another value like 1.

### 1.2.4 Test WEB helper

```
function test_web_helper($rest, $data, $token, $lang)
```

This function performs the action defined by the rest verb sendind the data if it is provided and using the token for authentication actions.

As you can see in the code, the function detects if data is provided and send the request using GET or POST, in addition, an application/json content-type header is send when POST is used.

The token is sent using the TOKEN header to be used in the authentication process.

- Orest => The rest request, like update/customers/3
- @data => The data used as json in the SaltOS app
- Qtoken => The token used if authentication is required

### 1.2.5 Test CLI helper

```
function test_cli_helper($rest, $data, $token, $lang, $user)
```

This function allow to execute SaltOS using the CLI SAPI, to do it, the function detects if data is provided, and executes the command and getting the output of the execution. If data exists, then the contents are stored in a file and passed the contents of the file to the stdin of the php process to emmulate the input channel used by the apache server.

As an example, this functions tries to execute the command using the follow formula:

- 1) php index.php \$rest
- 2) cat /tmp/input | php index.php \$rest

In addition, the token field is used to define the TOKEN environment variable that is used by SaltOS as variable to emmulate the TOKEN used by the apache for authenticate the SaltOS app.

- Orest => The rest request, like update/customers/3
- @data => The data used as json in the SaltOS app
- Qtoken => The token used if authentication is required

# 1.2.6 Get Mime helper

```
function get_mime($buffer): string
```

This function returns the content type of the contents of the buffer

@buffer => the contents that you want to check

#### 1.2.7 External tests

```
function test_external_exec($test_file, $error_file, $error_words): void
```

This function tries to execute external php that triggers special conditions suck as errors, that are not allowed from the phpunit tests

- Qtest\_file => the file that must be executed
- @error\_file => the file that must contains the error\_words
- @error\_words => the words that must exists in the error\_file

# 2 Phpunit Code

# 2.1 Test actions

test\_actions.php

This test performs some tests to validate the correctness of the actions functions

# 2.1.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.1.2 Loading helper function

require\_once 'lib/utestlib.php';

This file contains the needed function used by the unit tests

### 2.1.3 Main class of this unit test

final class test\_actions extends TestCase

#### 2.1.4 actions test

public function test\_actions(): void

This test performs some tests to validate the correctness of the actions functions

# 2.2 Test addlog

test\_add.php

This test performs some tests to validate the correctness of the addlog functions

# 2.2.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.2.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.2.3 Main class of this unit test

final class test\_add extends TestCase

### 2.2.4 addlog test

```
public function test_addlog(): void
```

This test performs some tests to validate the correctness of the addlog functions

#### 2.2.5 adderror test

```
public function test_adderror(): void
```

This test performs some tests to validate the correctness of the adderror functions

# 2.3 Test apache

test\_apache.php

This test performs some tests to validate the correctness of the apache configuration

# 2.3.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.3.2 Main class of this unit test

final class test\_apache extends TestCase

# 2.3.3 addlog test

```
public function test_apache(): void
```

This test performs some tests to validate the correctness of the apache configuration, the main idea is that the path saltos/code4 of the web server must point to the web directory.

# 2.4 Test apps

test\_apps.php

This test performs some tests to validate the correctness of the apps functions

# 2.4.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.4.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.4.3 Main class of this unit test

final class test\_apps extends TestCase

### 2.4.4 apps test

```
public function test_apps(): void
```

This test performs some tests to validate the correctness of the apps functions

# 2.4.5 app test

```
public function test_app(): void
```

This test performs some tests to validate the correctness of the app functions

### 2.4.6 list test

```
public function test_list(): void
```

This test performs some tests to validate the correctness of the list functions

# 2.5 Test array

test\_array.php

This test performs some tests to validate the correctness of the array functions

# 2.5.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.5.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.5.3 Main class of this unit test

final class test\_array extends TestCase

# 2.5.4 array test

```
public function test_array(): void
```

This test performs some tests to validate the correctness of the array functions

# 2.6 Test ascii

```
test_ascii.php
```

This test performs some tests to validate the correctness of the ascii functions

# 2.6.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.6.2 Loading helper function

```
require_once 'php/lib/ascii.php';
```

This file contains the needed function used by the unit tests

### 2.6.3 Main class of this unit test

final class test\_ascii extends TestCase

### 2.6.4 ascii test

```
public function test_ascii(): void
```

This test performs some tests to validate the correctness of the ascii functions

# 2.7 Test authupdate

```
test_authupdate.php
```

This test performs some tests to validate the correctness of the authupdate functions

# 2.7.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.7.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.7.3 Main class of this unit test

final class test\_authupdate extends TestCase

# 2.7.4 authupdate test

```
public function test_authupdate(): void
```

This test performs some tests to validate the correctness of the authupdate functions

# 2.8 Test cli customers

```
test_cli_customers.php
```

This test performs all actions of the customers app suck as: create, insert, list, view, edit, update and delete, using the cli sapi interface

### 2.8.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.8.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

# 2.8.3 Main class of this unit test

final class test\_cli\_customers extends TestCase

### 2.8.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

### 2.8.5 Create

```
public function test_create(array $json): array
```

This function execute the creates rest request, and must to get the json with the layout without data

#### 2.8.6 Insert

```
public function test_insert(array $json): array
```

This function execute the insert rest request, to do it send the json with the data that they want to insert and must to get the json with the status and the create\_id.

#### 2.8.7 List

```
public function test_list(array $json): array
```

This function execute the list rest request, to do it send the json with the search that they want to use in the list filter and receives the json with the data used to populate the table.

# 2.8.8 View

```
public function test_view(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

#### 2.8.9 Edit

```
public function test_edit(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

### **2.8.10 Upgrade**

```
public function test_update(array $json): array
```

This function execute the update rest request, to do it send the json with the data that they want to update and must to get the json with the status and the updated\_id.

### 2.8.11 Delete

```
public function test_delete(array $json): void
```

This function execute the delete rest request, they must to get the json with the status and the deleted\_id.

# 2.9 Test cli invoices

```
test_cli_invoices.php
```

This test performs all actions of the invoices app suck as: create, insert, list, view, edit, update and delete, using the cli sapi interface

#### 2.9.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.9.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.9.3 Main class of this unit test

final class test\_cli\_invoices extends TestCase

#### 2.9.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

### **2.9.5** Create

```
public function test_create(array $json): array
```

This function execute the creates rest request, and must to get the json with the layout without data

### 2.9.6 Insert

```
public function test_insert(array $json): array
```

This function execute the insert rest request, to do it send the json with the data that they want to insert and must to get the json with the status and the create\_id.

# 2.9.7 List

```
public function test_list(array $json): array
```

This function execute the list rest request, to do it send the json with the search that they want to use in the list filter and receives the json with the data used to populate the table.

### 2.9.8 View

```
public function test_view(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

### 2.9.9 Edit

```
public function test_edit(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

# **2.9.10** Upgrade

```
public function test_update(array $json): array
```

This function execute the update rest request, to do it send the json with the data that they want to update and must to get the json with the status and the updated\_id.

#### 2.9.11 Delete

```
public function test_delete(array $json): void
```

This function execute the delete rest request, they must to get the json with the status and the deleted\_id.

# 2.10 Test cli tokens (first part)

```
test_cli_tokens.php
```

This test performs some part of the actions related with the tokens suck as authtoken and checktoken, using the cli sapi interface

# 2.10.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.10.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.10.3 Main class of this unit test

final class test\_cli\_tokens extends TestCase

### 2.10.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

### 2.10.5 Checktoken

```
public function test_checktoken(array $json): array
```

This function execute the checktoken rest request, and must to get the json with the ok about the valid token that you are trying to check

### 2.10.6 Deauthtoken

```
public function test_deauthtoken(array $json): array
```

This function execute the deauthtoken rest request, and must to get the json with the ok about the valid token that you are deauthenticate

#### 2.10.7 Checktoken ko

```
public function test_checktoken_ko(array $json): void
```

This function execute the checktoken rest request, and must to get the json with the ko about the invalid token that you are trying to check

### 2.11 Test color

```
test_color.php
```

This test performs some tests to validate the correctness of the color feature

# 2.11.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.11.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.11.3 Main class of this unit test

final class test\_color extends TestCase

#### 2.11.4 color test

```
public function test_color(): void
```

This test performs some tests to validate the correctness of the color feature

### 2.12 Test common

```
test_common.php
```

This test performs some tests to validate the correctness of the common functions

# 2.12.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.12.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.12.3 Main class of this unit test

final class test\_common extends TestCase

### 2.12.4 common test

```
public function test_common(): void
```

This test performs some tests to validate the correctness of the common functions

# 2.13 Test config

```
test_config.php
```

This test performs some tests to validate the correctness of the config functions

# 2.13.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.13.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.13.3 Main class of this unit test

final class test\_config extends TestCase

# 2.13.4 config test

```
public function test_config(): void
```

This test performs some tests to validate the correctness of the config functions

# 2.14 Test control

```
test_control.php
```

This test performs some tests to validate the correctness of the control functions

# 2.14.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.14.2 Loading helper function

```
require_once 'php/lib/control.php';
```

This file contains the needed function used by the unit tests

### 2.14.3 Main class of this unit test

final class test\_control extends TestCase

### 2.14.4 control test

```
public function test_control(): void
```

This test performs some tests to validate the correctness of the control functions

# 2.14.5 log test

```
public function test_log(): void
```

This test performs some tests to validate the correctness of the log functions

### 2.14.6 version test

```
public function test_version(): void
```

This test performs some tests to validate the correctness of the version functions

# 2.14.7 indexing test

```
public function test_indexing(): void
```

This test performs some tests to validate the correctness of the indexing functions

### 2.15 Test cron

```
test_cron.php
```

This test performs some tests to validate the correctness of the cron functions

# 2.15.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.15.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.15.3 Main class of this unit test

final class test\_cron extends TestCase

# 2.15.4 Wait cron

```
private function wait_cron(): void
```

This function waits 10 seconds until all cron processes are running

#### 2.15.5 cron

```
public function test_cron(): void
```

This test performs some tests to validate the correctness of the cron functions

# 2.16 Test customers

test\_customers.php

This test performs some tests to validate the correctness of the customers functions

# 2.16.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.16.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.16.3 Main class of this unit test

final class test\_customers extends TestCase

#### 2.16.4 customers test

```
public function test_customers(): void
```

This test performs some tests to validate the correctness of the customers functions

#### 2.17 Test database drivers

test\_database.php

# 2.17.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.17.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.17.3 Main class of this unit test

final class test\_database extends TestCase

### 2.17.4 Helper

```
private function test_helper($obj): void
```

This function executes the follow queries and checks the correctness of the driver by comparing the results with the expected results.

The tests that performs are the follow:

- SELECT GROUP\_CONCAT(a) test FROM (SELECT 1 a UNION SELECT 2 a UNION SELECT 3 a)
  a;
- SELECT REPLACE('abc', 'b', 'c') test

- SELECT LPAD('123', '5', '0') test
- SELECT CONCAT('a', 'b', 'c') test
- SELECT CONCAT\_WS(',','a','b','c',null,true,false) test
- SELECT UNIX\_TIMESTAMP('2024-02-01 12:34:56') test
- SELECT FROM\_UNIXTIME(1706787296) test
- SELECT YEAR('2024-02-01 12:34:56') test
- SELECT MONTH('2024-02-01 12:34:56') test
- SELECT WEEK('2024-02-01 12:34:56', 1) test
- SELECT TRUNCATE(1.2345, 2) test
- SELECT DAY('2024-02-01 12:34:56') test
- SELECT DAYOFYEAR('2024-02-01 12:34:56') test
- SELECT DAYOFWEEK('2024-02-01 12:34:56') test
- SELECT HOUR('2024-02-01 12:34:56') test
- SELECT MINUTE('2024-02-01 12:34:56') test
- SELECT SECOND('2024-02-01 12:34:56') test
- SELECT MD5('fortuna') test
- SELECT REPEAT('abc',3) test
- SELECT FIND\_IN\_SET(3,'1,2,3,4,5') test
- SELECT FIND\_IN\_SET(6,'1,2,3,4,5') test
- SELECT FIND\_IN\_SET(3,'12345') test
- SELECT IF(true, 'ok', 'ko') test
- SELECT IF(false, 'ok', 'ko') test
- SELECT IF(null, 'ok', 'ko') test
- SELECT POW(2, 8) test
- SELECT DATE\_FORMAT('2024-02-01 12:34:56', '%Y-%m-%d %H:%i:%s') test
- SELECT NOW() test

### 2.17.5 Last Insert Id helper

```
private function last_insert_id_helper($obj): void
```

This function is intended to check the correctness of the last\_insert\_id feature implemented in each database driver.

### 2.17.6 PDO MySQL driver

```
public function test_pdo_mysql(): void
```

This function checks the correctness of the sqlite3 driver by creating a database connection, sendint queries validating the expected results and closing the connection.

# 2.17.7 MySQL improved driver

```
public function test_mysqli(): void
```

This function checks the correctness of the sqlite3 driver by creating a database connection, sendint queries validating the expected results and closing the connection.

# 2.17.8 PDO SQLite driver

```
public function test_pdo_sqlite(): void
```

This function checks the correctness of the sqlite3 driver by creating a database connection, sendint queries validating the expected results and closing the connection.

#### 2.17.9 SQLite3 driver

```
public function test_sqlite3(): void
```

This function checks the correctness of the sqlite3 driver by creating a database connection, sendint queries validating the expected results and closing the connection.

# 2.17.10 PDO mssql driver

```
private function test_pdo_mssql(): void
```

This function checks the correctness of the sqlserver driver by creating a database connection, sendint queries validating the expected results and closing the connection.

### 2.17.11 Database driver

```
public function test_database(): void
```

This function checks the correctness of the database driver by creating a database connection, sendint queries validating the expected results and closing the connection.

# 2.18 Test datetime

```
test_datetime.php
```

This test performs some tests to validate the correctness of the datetime functions

### 2.18.1 Importing namespaces

use PHPUnit\Framework\TestCase;

#### 2.18.2 Main class of this unit test

final class test\_datetime extends TestCase

#### 2.18.3 datetime test

```
public function test_datetime(): void
```

This test performs some tests to validate the correctness of the datetime functions

# 2.19 Test dbschema

```
test_dbschema.php
```

This test performs some tests to validate the correctness of the dbschema functions

# 2.19.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.19.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.19.3 Main class of this unit test

final class test\_dbschema extends TestCase

# 2.19.4 dbschema test

```
public function test_dbschema(): void
```

This test performs some tests to validate the correctness of the dbschema functions

### 2.19.5 sql test

```
public function test_sql(): void
```

This test performs some tests to validate the correctness of the sql functions

### 2.20 Test emails

```
test_emails.php
```

This test performs some tests to validate the correctness of the emails functions

# 2.20.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.20.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.20.3 Main class of this unit test

final class test\_emails extends TestCase

#### 2.20.4 emails test

```
public function test_emails(): void
```

This test performs some tests to validate the correctness of the emails functions

### 2.21 Test error

test\_error.php

This test performs some tests to validate the correctness of the error functions

# 2.21.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.21.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

# 2.21.3 Main class of this unit test

final class test\_error extends TestCase

### 2.21.4 error function test

```
public function test_error(): void
```

This test performs some tests to validate the correctness of the error functions

# 2.22 Test exec

test\_exec.php

This test performs some tests to validate the correctness of the exec functions

# 2.22.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.22.2 Main class of this unit test

final class test\_exec extends TestCase

### 2.22.3 exec test

public function test\_exec(): void

This test performs some tests to validate the correctness of the exec functions

# 2.23 Test export

test\_export.php

This test performs some tests to validate the correctness of the export functions

# 2.23.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.23.2 Loading helper function

require\_once 'lib/utestlib.php';

This file contains the needed function used by the unit tests

### 2.23.3 Main class of this unit test

final class test\_export extends TestCase

### 2.23.4 Get data

```
private function get_data($nohead, $length): array
```

This function tries to create an array with rows using the numbers.csv file as source, it is able to add or remove the head row and to select the size of the result array of rows

- Onohead => the nohead field used in the import\_file function
- Olength => the size of the rows array

### 2.23.5 export xml test

```
public function test_export_xml(): void
```

This test performs some tests to validate the correctness of the export functions

### 2.23.6 export csv test

```
public function test_export_csv(): void
```

This test performs some tests to validate the correctness of the export functions

# 2.23.7 export xlsx test

```
public function test_export_xlsx(): void
```

This test performs some tests to validate the correctness of the export functions

#### 2.23.8 export xls test

```
public function test_export_xls(): void
```

This test performs some tests to validate the correctness of the export functions

# 2.23.9 export ods test

```
public function test_export_ods(): void
```

This test performs some tests to validate the correctness of the export functions

# 2.23.10 //~ \* export bytes test

```
//~ public function test_export_bytes(): void
```

 $//^{\sim}$  \* This test performs some tests to validate the correctness  $//^{\sim}$  \* of the export functions

### 2.23.11 export edi test

```
public function test_export_edi(): void
```

This test performs some tests to validate the correctness of the export functions

### 2.23.12 export json test

```
public function test_export_json(): void
```

This test performs some tests to validate the correctness of the export functions

# 2.23.13 tree2array test

```
public function test_export_tree2array(): void
```

This test performs some tests to validate the correctness of the tree2array function

## 2.23.14 getkeys test

```
public function test_export_getkeys(): void
```

This test performs some tests to validate the correctness of the getkeys function

### 2.23.15 external exec

```
public function test_export_external(): void
```

This test performs some tests to validate the correctness of the external exec

# 2.24 Test file

```
test_file.php
```

This test performs some tests to validate the correctness of the file functions

# 2.24.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.24.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.24.3 Main class of this unit test

final class test\_file extends TestCase

#### 2.24.4 file test

```
public function test_file(): void
```

This test performs some tests to validate the correctness of the file functions

### 2.25 Test files

```
test_files.php
```

This test performs some tests to validate the correctness of the files feature

# 2.25.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.25.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

# 2.25.3 Main class of this unit test

final class test\_files extends TestCase

## 2.25.4 files test

```
public function test_files(): void
```

This test performs some tests to validate the correctness of the files feature

## 2.25.5 notes test

```
public function test_notes(): void
```

This test performs some tests to validate the correctness of the notes feature

### 2.25.6 fileslog test

```
public function test_fileslog(): void
```

This test performs some tests to validate the correctness of the fileslog feature

# 2.26 Test gc

test\_gc.php

This test performs some tests to validate the correctness of the gc functions

# 2.26.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.26.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.26.3 Main class of this unit test

final class test\_gc extends TestCase

### 2.26.4 gc exec

```
public function test_gc_exec(): void
```

This test performs some tests to validate the correctness of the gc functions

# 2.26.5 gc upload

```
public function test_gc_upload(): void
```

This test performs some tests to validate the correctness of the gc functions

# 2.26.6 gc upload

```
public function test_gc_trash(): void
```

This test performs some tests to validate the correctness of the gc functions

# 2.27 Test gdlib

test\_gdlib.php

This test performs some tests to validate the correctness of the gdlib feature

# 2.27.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.27.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.27.3 Main class of this unit test

final class test\_gdlib extends TestCase

# 2.27.4 gdlib test

```
public function test_gdlib(): void
```

This test performs some tests to validate the correctness of the gdlib feature

# 2.28 Test getdata

```
test_getdata.php
```

This test performs some tests to validate the correctness of the getdata functions

# 2.28.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.28.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

## 2.28.3 Main class of this unit test

final class test\_getdata extends TestCase

## 2.28.4 getdata test

```
public function test_getdata(): void
```

This test performs some tests to validate the correctness of the getdata functions

# 2.29 Test gettext

test\_gettext.php

This test performs some tests to validate the correctness of the gettext functions

# 2.29.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.29.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.29.3 Main class of this unit test

final class test\_gettext extends TestCase

# 2.29.4 gettext test

```
public function test_gettext(): void
```

This test performs some tests to validate the correctness of the gettext functions

# 2.30 Test help

test\_help.php

This test performs some tests to validate the correctness of the help functions

# 2.30.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.30.2 Loading helper function

```
require_once 'php/lib/help.php';
```

This file contains the needed function used by the unit tests

## 2.30.3 Main class of this unit test

final class test\_help extends TestCase

# 2.30.4 help test

```
public function test_help(): void
```

This test performs some tests to validate the correctness of the help functions

# 2.31 Test html

test\_html.php

This test performs some tests to validate the correctness of the html functions

### 2.31.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.31.2 Loading helper function

require\_once 'apps/emails/php/html.php';

This file contains the needed function used by the unit tests

#### 2.31.3 Main class of this unit test

final class test\_html extends TestCase

#### 2.31.4 html test

public function test\_html(): void

This test performs some tests to validate the correctness of the html functions

## 2.32 Test IDs

test\_ids.php

This test performs some tests to validate the correctness of the check\_ids feature

# 2.32.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.32.2 Main class of this unit test

final class test\_ids extends TestCase

# 2.32.3 IDs test

public function test\_ids(): void

This test performs some tests to validate the correctness of the check\_ids feature

# 2.33 Test image

test\_image.php

This test performs some tests to validate the correctness of the barcode, qrcode, captcha and score features

# 2.33.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.33.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.33.3 Main class of this unit test

final class test\_image extends TestCase

#### 2.33.4 barcode test

```
public function test_barcode(): void
```

This test performs some tests to validate the correctness of the barcode feature

# 2.33.5 qrcode test

```
public function test_qrcode(): void
```

This test performs some tests to validate the correctness of the qrcode feature

# 2.33.6 captcha test

```
public function test_captcha(): void
```

This test performs some tests to validate the correctness of the captcha feature

# 2.33.7 score test

```
public function test_score(): void
```

This test performs some tests to validate the correctness of the score feature

# 2.34 Test import

test\_import.php

This test performs some tests to validate the correctness of the import functions

### 2.34.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.34.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.34.3 Main class of this unit test

final class test\_import extends TestCase

### 2.34.4 import xml test

```
public function test_import_xml(): void
```

This test performs some tests to validate the correctness of the import functions

### 2.34.5 import csv test

```
public function test_import_csv(): void
```

This test performs some tests to validate the correctness of the import functions

# 2.34.6 import xlsx test

```
public function test_import_xlsx(): void
```

This test performs some tests to validate the correctness of the import functions

# 2.34.7 import xls test

```
public function test_import_xls(): void
```

This test performs some tests to validate the correctness of the import functions

### 2.34.8 import ods test

```
public function test_import_ods(): void
```

This test performs some tests to validate the correctness of the import functions

### 2.34.9 import bytes test

```
public function test_import_bytes(): void
```

This test performs some tests to validate the correctness of the import functions

### 2.34.10 import edi test

```
public function test_import_edi(): void
```

This test performs some tests to validate the correctness of the import functions

## 2.34.11 import json test

```
public function test_import_json(): void
```

This test performs some tests to validate the correctness of the import functions

# 2.34.12 import helper test

```
public function test_import_helper(): void
```

This test performs some tests to validate the correctness of the import functions

## 2.34.13 external exec

```
public function test_import_external(): void
```

This test performs some tests to validate the correctness of the external exec

# 2.35 Test indexing

```
test_indexing.php
```

This test performs some tests to validate the correctness of the indexing functions

# 2.35.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.35.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.35.3 Main class of this unit test

final class test\_indexing extends TestCase

# 2.35.4 indexing test

```
public function test_indexing(): void
```

This test performs some tests to validate the correctness of the indexing functions

# 2.36 Test iniset

```
test_iniset.php
```

This test performs some tests to validate the correctness of the iniset functions

# 2.36.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.36.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

## 2.36.3 Main class of this unit test

final class test\_iniset extends TestCase

### 2.36.4 iniset test

```
public function test_iniset(): void
```

This test performs some tests to validate the correctness of the iniset functions

## 2.37 Test invoices

```
test_invoices.php
```

This test performs some tests to validate the correctness of the invoices functions

# 2.37.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.37.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.37.3 Main class of this unit test

final class test\_invoices extends TestCase

#### 2.37.4 invoices test

```
public function test_invoices(): void
```

This test performs some tests to validate the correctness of the invoices functions

# 2.38 Test log

test\_log.php

This test performs some tests to validate the correctness of the log functions

# 2.38.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.38.2 Main class of this unit test

final class test\_log extends TestCase

# 2.38.3 log test

```
public function test_log(): void
```

This test performs some tests to validate the correctness of the log functions

### 2.39 Test math

test\_math.php

This test performs some tests to validate the correctness of the math functions

# 2.39.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.39.2 Loading helper function

require\_once 'php/lib/math.php';

This file contains the needed function used by the unit tests

### 2.39.3 Main class of this unit test

final class test\_math extends TestCase

#### 2.39.4 math test

public function test\_math(): void

This test performs some tests to validate the correctness of the math functions

# 2.40 Test memory

test\_memory.php

This test performs some tests to validate the correctness of the memory functions

## 2.40.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.40.2 Main class of this unit test

final class test\_memory extends TestCase

# 2.40.3 memory test

public function test\_memory(): void

This test performs some tests to validate the correctness of the memory functions

# 2.41 Test mime

test\_mime.php

This test performs some tests to validate the correctness of the mime functions

# 2.41.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.41.2 Loading helper function

require\_once 'apps/emails/php/html.php';

This file contains the needed function used by the unit tests

### 2.41.3 Main class of this unit test

final class test\_mime extends TestCase

#### 2.41.4 mime test

public function test\_mime(): void

This test performs some tests to validate the correctness of the mime functions

### 2.42 Test nssdb

test\_nssdb.php

This test performs some tests to validate the correctness of the nssdb functions

# 2.42.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.42.2 Loading helper function

require\_once 'lib/utestlib.php';

This file contains the needed function used by the unit tests

# 2.42.3 Main class of this unit test

final class test\_nssdb extends TestCase

# 2.42.4 nssdb test

public function test\_nssdb(): void

This test performs some tests to validate the correctness of the nssdb functions

### 2.42.5 certs test

```
public function test_certs(): void
```

This test performs some tests to validate the correctness of the certs functions

# 2.42.6 actions test

```
public function test_actions(): void
```

This test performs some tests to validate the correctness of the certs functions

# 2.43 Test output

```
test_output.php
```

This test performs some tests to validate the correctness of the output functions

# 2.43.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.43.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

# 2.43.3 Main class of this unit test

final class test\_output extends TestCase

# 2.43.4 output test

```
public function test_output(): void
```

This test performs some tests to validate the correctness of the output functions

# 2.43.5 colorize test

```
public function test_colorize(): void
```

This test performs some tests to validate the correctness of the colorize functions

# 2.44 Test password

test\_password.php

This test performs some tests to validate the correctness of the password functions

# 2.44.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.44.2 Loading helper function

require\_once 'php/lib/password.php';

This file contains the needed function used by the unit tests

#### 2.44.3 Main class of this unit test

final class test\_password extends TestCase

# 2.44.4 password test

public function test\_password(): void

This test performs some tests to validate the correctness of the password functions

# 2.45 Test pdf

test\_pdf.php

This test performs some tests to validate the correctness of the pdf functions

### 2.45.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.45.2 Loading helper function

require\_once 'php/lib/pdf.php';

This file contains the needed function used by the unit tests

# 2.45.3 Main class of this unit test

final class test\_pdf extends TestCase

### 2.45.4 pdf test

```
public function test_pdf(): void
```

This test performs some tests to validate the correctness of the pdf functions

# 2.46 Test perms

```
test_perms.php
```

This test performs some tests to validate the correctness of the perms functions

### 2.46.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.46.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.46.3 Main class of this unit test

final class test\_perms extends TestCase

## 2.46.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

## 2.46.5 perms test

```
public function test_perms(array $json): void
```

This test performs some tests to validate the correctness of the perms functions

# 2.47 Test ping

```
test_ping.php
```

This test performs some tests to validate the correctness of the ping feature

# 2.47.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.47.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.47.3 Main class of this unit test

final class test\_ping extends TestCase

# 2.47.4 ping test

```
public function test_ping(): void
```

This test performs some tests to validate the correctness of the ping feature

# 2.48 Test push

test\_push.php

This test performs some tests to validate the correctness of the push functions

# 2.48.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.48.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

## 2.48.3 Main class of this unit test

final class test\_push extends TestCase

# 2.48.4 push

```
public function test_push(): void
```

This test performs some tests to validate the correctness of the push functions

# 2.49 Test random

test\_random.php

This test performs some tests to validate the correctness of the random functions

### 2.49.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.49.2 Main class of this unit test

final class test\_random extends TestCase

#### 2.49.3 random test

```
public function test_random(): void
```

This test performs some tests to validate the correctness of the random functions

### 2.50 Test mime

test\_replace.php

This test performs some tests to validate the correctness of the str\_replace instead of the preg\_replace

# 2.50.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.50.2 Main class of this unit test

final class test\_replace extends TestCase

## 2.50.3 replace test

```
public function test_replace(): void
```

This test performs some tests to validate the correctness of the str\_replace\_assoc instead of the replace function

# 2.51 Test roundcube library

test\_roundcube.php

# 2.51.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.51.2 Main class of this unit test

final class test\_roundcube extends TestCase

#### 2.51.3 html2text

```
public function test_html2text(): void
```

This function checks the correctness of the html2text method provided by the roundcube library.

# 2.52 Test semaphore

test\_semaphore.php

This test performs some tests to validate the correctness of the semaphore functions

# 2.52.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.52.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

## 2.52.3 Main class of this unit test

final class test\_semaphore extends TestCase

## 2.52.4 semaphore test

```
public function test_semaphore(): void
```

This test performs some tests to validate the correctness of the semaphore functions

### 2.53 Test server

```
test_server.php
```

This test performs some tests to validate the correctness of the server functions

# 2.53.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.53.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.53.3 Main class of this unit test

final class test\_server extends TestCase

#### 2.53.4 server test

```
public function test_server(): void
```

This test performs some tests to validate the correctness of the server functions

# 2.54 Test sql

test\_sql.php

This test performs some tests to validate the correctness of the sql functions

# 2.54.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.54.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

## 2.54.3 Main class of this unit test

final class test\_sql extends TestCase

## 2.54.4 SQL test

```
public function test_sql(): void
```

This function performs some tests to validate the correctness of the sql functions

# 2.55 Test strings

test\_strings.php

This test performs some tests to validate the correctness of the strings functions

# 2.55.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.55.2 Main class of this unit test

final class test\_strings extends TestCase

### 2.55.3 strings test

```
public function test_strings(): void
```

This test performs some tests to validate the correctness of the strings functions

## 2.56 Test mime

test\_strtr.php

This test performs some tests to validate the correctness of the str\_replace\_assoc instead of the strtr function

# 2.56.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.56.2 Main class of this unit test

final class test\_strtr extends TestCase

# 2.56.3 strtr test

```
public function test_strtr(): void
```

This test performs some tests to validate the correctness of the  $str_replace_assoc$  instead of the  $str_r$  function

# 2.57 Test system

test\_system.php

This test performs some tests to validate the correctness of the system functions

# 2.57.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.57.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.57.3 Main class of this unit test

final class test\_system extends TestCase

# 2.57.4 system test

```
public function test_system(): void
```

This test performs some tests to validate the correctness of the system functions

### 2.58 Test tokens

```
test_tokens.php
```

This test performs some tests to validate the correctness of the token generator and the token format checker

# 2.58.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.58.2 Main class of this unit test

final class test\_tokens extends TestCase

## 2.58.3 Tokens test

```
public function test_tokens(): void
```

This function performs some tests to validate the correctness of the token generator and the token format checker

# 2.59 Test unoconv

test\_unoconv.php

This test performs some tests to validate the correctness of the unoconv functions

# 2.59.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.59.2 Loading helper function

```
require_once 'php/lib/unoconv.php';
```

This file contains the needed function used by the unit tests

#### 2.59.3 Main class of this unit test

final class test\_unoconv extends TestCase

## 2.59.4 Pdf test helper

```
private function test_pdf($input): void
```

This function tries to do the test with unoconv2pdf, checks that the input not exists and the output exists to validate the correctness of the function

@input => the input file to use in the test

### 2.59.5 Txt test helper

```
private function test_txt($input): void
```

This function tries to do the test with unoconv2txt, checks that the input not exists and the output exists to validate the correctness of the function

• @input => the input file to use in the test

## 2.59.6 unoconv test

```
public function test_unoconv(): void
```

This test performs some tests to validate the correctness of the unoconv functions

# 2.59.7 ocr test

```
public function test_ocr(): void
```

This test performs some tests to validate the correctness of the ocr functions

### 2.59.8 commands test

```
public function test_commands(): void
```

This test performs some tests to validate the correctness of the commands functions

# 2.60 Test upload

test\_upload.php

This test performs some tests to validate the correctness of the upload functions

### 2.60.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.60.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.60.3 Main class of this unit test

final class test\_upload extends TestCase

#### 2.60.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

# 2.60.5 Addfiles

```
public function test_addfiles(array $json): array
```

This function execute the addfiles rest request, and must to get the json with the correct data

# 2.60.6 Delfiles

```
public function test_delfiles(array $json): void
```

This function execute the delfiles rest request, and must to get the json with the correct data

## 2.60.7 Human size

```
public function test_human_size(): void
```

This function only try to execute the get\_human\_size function

# 2.61 Test users

test\_user.php

This test performs some tests to validate the correctness of the users functions

### 2.61.1 Importing namespaces

use PHPUnit\Framework\TestCase;

## 2.61.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.61.3 Main class of this unit test

final class test\_user extends TestCase

#### 2.61.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

# 2.61.5 users test

```
public function test_user(array $json): void
```

This test performs some tests to validate the correctness of the users functions

# 2.61.6 browser test

```
public function test_browser(): void
```

This test performs some tests to validate the correctness of the browser functions

# 2.61.7 geoip test

```
public function test_geoip(): void
```

This test performs some tests to validate the correctness of the geoip functions

# 2.61.8 security test

```
public function test_security(): void
```

This test performs some tests to validate the correctness of the security functions

## 2.62 Test users

```
test_users.php
```

This test performs some tests to validate the correctness of the users functions

### 2.62.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.62.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

### 2.62.3 Main class of this unit test

final class test\_users extends TestCase

# 2.62.4 days test

```
public function test_days(): void
```

This test performs some tests to validate the correctness of the days functions

# 2.62.5 users test

```
public function test_users(): void
```

This test performs some tests to validate the correctness of the users functions

# 2.62.6 groups test

```
public function test_groups(): void
```

This test performs some tests to validate the correctness of the groups functions

# 2.63 Test version

test\_version.php

This test performs some tests to validate the correctness of the version related functions

## 2.63.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.63.2 Main class of this unit test

final class test\_version extends TestCase

#### 2.63.3 version test

```
public function test_version(): void
```

This function performs some tests to validate the correctness of the version related functions

# 2.64 Test web customers

test\_web\_customers.php

This test performs all actions of the customers app suck as: create, insert, list, view, edit, update and delete, using the apache sapi interface

## 2.64.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.64.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

# 2.64.3 Main class of this unit test

final class test\_web\_customers extends TestCase

### 2.64.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

#### 2.64.5 Create

```
public function test_create(array $json): array
```

This function execute the creates rest request, and must to get the json with the layout without data

#### 2.64.6 Insert

```
public function test_insert(array $json): array
```

This function execute the insert rest request, to do it send the json with the data that they want to insert and must to get the json with the status and the create\_id.

### 2.64.7 List

```
public function test_list(array $json): array
```

This function execute the list rest request, to do it send the json with the search that they want to use in the list filter and receives the json with the data used to populate the table.

#### 2.64.8 View

```
public function test_view(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

#### 2.64.9 Edit

```
public function test_edit(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

#### 2.64.10 Upgrade

```
public function test_update(array $json): array
```

This function execute the update rest request, to do it send the json with the data that they want to update and must to get the json with the status and the updated\_id.

# 2.64.11 Delete

```
public function test_delete(array $json): void
```

This function execute the delete rest request, they must to get the json with the status and the deleted\_id.

# 2.65 Test web invoices

```
test_web_invoices.php
```

This test performs all actions of the invoices app suck as: create, insert, list, view, edit, update and delete, using the apache sapi interface

## 2.65.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.65.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

#### 2.65.3 Main class of this unit test

final class test\_web\_invoices extends TestCase

#### 2.65.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

### 2.65.5 Create

```
public function test_create(array $json): array
```

This function execute the creates rest request, and must to get the json with the layout without data

### 2.65.6 Insert

```
public function test_insert(array $json): array
```

This function execute the insert rest request, to do it send the json with the data that they want to insert and must to get the json with the status and the create\_id.

# 2.65.7 List

```
public function test_list(array $json): array
```

This function execute the list rest request, to do it send the json with the search that they want to use in the list filter and receives the json with the data used to populate the table.

### 2.65.8 View

```
public function test_view(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

### 2.65.9 Edit

```
public function test_edit(array $json): array
```

This function execute the view rest request, intended to retrieve the detail of the app with the layout needed to render it.

# 2.65.10 Upgrade

```
public function test_update(array $json): array
```

This function execute the update rest request, to do it send the json with the data that they want to update and must to get the json with the status and the updated\_id.

### 2.65.11 Delete

```
public function test_delete(array $json): void
```

This function execute the delete rest request, they must to get the json with the status and the deleted\_id.

# 2.66 Test web tokens (first part)

```
test_web_tokens.php
```

This test performs some part of the actions related with the tokens suck as authtoken and checktoken, using the apache sapi interface

# 2.66.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.66.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

## 2.66.3 Main class of this unit test

final class test\_web\_tokens extends TestCase

### 2.66.4 Authtoken

```
public function test_authtoken(): array
```

This function execute the authtoken rest request, and must to get the json with the valid token to continue in the nexts unit tests

### 2.66.5 Checktoken

```
public function test_checktoken(array $json): array
```

This function execute the checktoken rest request, and must to get the json with the ok about the valid token that you are trying to check

#### 2.66.6 Deauthtoken

```
public function test_deauthtoken(array $json): array
```

This function execute the deauthtoken rest request, and must to get the json with the ok about the valid token that you are deauthenticate

#### 2.66.7 Checktoken ko

```
public function test_checktoken_ko(array $json): void
```

This function execute the checktoken rest request, and must to get the json with the ko about the invalid token that you are trying to check

## 2.67 Test XML

```
test_xml.php
```

This test performs some tests to validate the correctness of the xml related functions

# 2.67.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.67.2 Loading helper function

```
require_once 'lib/utestlib.php';
```

This file contains the needed function used by the unit tests

## 2.67.3 Main class of this unit test

final class test\_xml extends TestCase

### 2.67.4 XML test

```
public function test_xml(): void
```

This function performs some tests to validate the correctness of the xml related functions

# 2.68 Test YAML

test\_yaml.php

This test performs some tests to validate the correctness of the yaml related functions

# 2.68.1 Importing namespaces

use PHPUnit\Framework\TestCase;

### 2.68.2 Main class of this unit test

final class test\_yaml extends TestCase

# 2.68.3 **YAML** test

public function test\_yaml(): void

This function performs some tests to validate the correctness of the yaml related functions

# 2.69 Test zindex

test\_zindex.php

This test performs some tests to validate the correctness of the zindex functions

# 2.69.1 Importing namespaces

use PHPUnit\Framework\TestCase;

# 2.69.2 Loading helper function

require\_once 'lib/utestlib.php';

This file contains the needed function used by the unit tests

# 2.69.3 Main class of this unit test

final class test\_zindex extends TestCase

# 2.69.4 zindex test

public function test\_zindex(): void

This test performs some tests to validate the correctness of the zindex functions