


This document was obsoleted.

## x Internals: report.pm

This module provides various tools for notification and error reports in every Sympa interface (mail diffusion, mail command and web command).

For a requested service, there are four kinds of reports to users:

- **success notification**  
when the action does not involve any specific mail report or else, the user is notified of the well done of the processus.
- **non authorization**(auth)  
a user is not allowed to perform an action, Sympa provides reason of rejecting. The template used to provides this information is `mail\_tt2/authorization\_reject.tt2`. It contains a list of reasons, indexed by keywords that are mentioned in reject action scenario (see [rules](#), page )
- **user error**(user)  
a error caused by the user, the user is informed about the error reason
- **internal server error**(intern)  
an error independent from the user, the user is succinctly informed about the error reason but a mail with more information is sent to listmaster using template `mail\_tt2/listmaster\_notification.tt2`(If it is not necessary, keyword used is 'intern\\_quiet').

For other reports than non authorizations templates used depends on the interface:

- message diffusion: `mail\_tt2/message\_report.tt2`
- mail commands: `mail\_tt2/command\_report.tt2`
- web commands: `web\_tt2/notice.tt2` for positive notifications and `web\_tt2/error.tt2` for rejects.

## Message diffusion

These reports use template `mail\_tt2/message\_report.tt2` and there are two functions: `reject\_report\_msg()` and `notice\_report\_msg()`.

### reject\_report\_msg()

Sends a notification to the user about an error rejecting his requested message diffusion.

#### IN:

1. `type(+)`: 'intern'|'intern\\_quiet'|'user'|'auth' - the error type
2. `error`: SCALAR - depends on \$type:
  - 'intern': string error sent to listmaster
  - 'user': \$entry in `message\_report.tt2`

- 'auth': \$reason in authorization\\_reject.tt2
- 3. user(+): SCALAR - the user to notify
- 4. param: ref(HASH) - for variable instantiation message\\_report.tt2 (key msgid(+) is required if type == 'intern')
- 5. robot: SCALAR - robot
- 6. msg\\_string: SCALAR - rejected message
- 7. list: ref(List) - in a list context

**OUT:** 1 undef

## notice\_report\_msg()

Sends a notification to the user about a success about his requested message diffusion.

**IN:**

1. entry(+): \$entry in message\\_report.tt2
2. user(+): SCALAR - the user to notify
3. param: ref(HASH) - for variable instantiation message\\_report.tt2
4. robot(+): SCALAR - robot
5. list: ref(List) - in a list context

**OUT:** 1 undef

## Mail commands

A mail can contains many commands. Errors and notices are stored in module global arrays before sending (intern\\_error\\_cmd, user\\_error\\_cmd, global\\_error\\_cmd, auth\\_reject\\_cmd, notice\\_cmd). Moreover used errors here we can have global errors on mail containing commands, so there is a function for that. These reports use template mail\\_tt2/command\\_report.tt2 and there are many functions:

### init\_report\_cmd()

Inits global arrays for mail command reports.

**IN:** -

**OUT:** -

### is\_there\_any\_report\_cmd()

Looks for some mail command reports in one of global arrays.

**IN:** -

**OUT:** 1 *if there are some reports to send*

## global\_report\_cmd()

Concerns global reports of mail commands. There are many uses cases:

1. **internal server error** for a differed sending at the end of the mail processing:
  - `global\_report\_cmd('intern', $error, $data, $sender, $robot)`
  - `global\_report\_cmd('intern\_quiet', $error, $data)`: the listmaster won't be noticed
2. **internal server error** for sending every reports directly (by calling `send\_report\_cmd()`):
  - `global\_report\_cmd('intern', $error, $data, $sender, $robot, 1)`
  - `global\_report\_cmd('intern\_quiet', $error, $data, $sender, $robot, 1)`: the listmaster won't be noticed
3. **user error** for a differed sending at the end of the mail processing:
  - `global\_report\_cmd('user', $error, $data)`
4. **user error** for sending every reports directly (by calling `send\_report\_cmd()`):
  - `global\_report\_cmd('user', $error, $data, $sender, $robot, 1)`

**IN:**

1. `type(+)`: 'internintern\\_quietuser'
2. `error`: SCALAR - depends on `$type`:
  - 'intern': string error sent to listmaster
  - 'user': `$glob.entry in command\_report.tt2`
3. `data`: `ref(HASH)` - for variable instantiation in `command\_report.tt2`
4. `sender`: SCALAR - the user to notify
5. `robot`: SCALAR - robot
6. `now`: BOOLEAN - send reports now *if true*

**OUT:** 1 undef

## reject\_report\_cmd()

Concerns reject reports of mail commands. These informations are sent at the end of the mail processing. There are many uses cases:

1. **internal server error:**
  - `reject\_report\_cmd('intern', $error, $data, $cmd, $sender, $robot)`
  - `reject\_report\_cmd('intern\_quiet', $error, $data, $cmd)`: the listmaster won't be noticed
2. **user error:**
  - `reject\_report\_cmd('user', $error, $data, $cmd)`
3. **non authorization:**
  - `reject\_report\_cmd('auth', $error, $data, $cmd)`

**IN:**

1. `type(+)`: 'intern'|'intern\\_quiet'|'user'|'auth'

2. error: SCALAR - depends on \$type:
  - 'intern!': string error sent to listmaster
  - 'user': \$u\_err.entry in command\\_report.tt2
  - 'auth': \$reason in authorization\\_reject.tt2
3. data: ref(HASH) - for variable instantiation in command\\_report.tt2
4. cmd: SCALAR - the rejected command, \$xx.cmd in command\\_report.tt2
5. sender: SCALAR - the user to notify
6. robot: SCALAR - robot

**OUT:** 1 undef

## notice\_report\_cmd()

Concerns positive notices of mail commands. These informations are sent at the end of the mail processing.

**IN:**

1. entry: \$notice.entry in command\\_report.tt2
2. data: ref(HASH) - for variable instantiation in command\\_report.tt2
3. cmd: SCALAR - the rejected command, \$xx.cmd in command\\_report.tt2

**OUT:** 1 undef

## send\_report\_cmd()

Sends the template command\\_report.tt2 to \$sender with global arrays and then calls to init\\_report\\_command.tt2 function. (It is used by sympa.pl at the end of mail process if there are some reports in gloal arrays)

**IN:**

1. sender(+): SCALAR - the user to notify
2. robot(+): SCALAR - robot

**OUT:** 1

## Web commands

It can have many errors and notices so they are stored in module global arrays before html sending. (intern\\_error\\_web, user\\_error\\_web, auth\\_reject\\_web, notice\\_web). These reports use web\\_tt2/notice.tt2 template for notices and web\\_tt2/error.tt2 template for rejects.

## init\_report\_web()

Inits global arrays for web command reports.

**IN:** -

**OUT:** -

### **is\_there\_any\_reject\_report\_web()**

Looks for some rejected web command reports in one of global arrays for reject.

**IN:** -

**OUT:** 1 *if there are some reject reports to send (not notice)*

### **get\_intern\_error\_web()**

Return array of web intern error

**IN:** -

**OUT:** ref(ARRAY) - clone of intern\\_error\\_web

### **get\_user\_error\_web()**

Return array of web user error

**IN:** -

**OUT:** ref(ARRAY) - clone of user\\_error\\_web

### **get\_auth\_reject\_web()**

Return array of web authorisation reject

**IN:** -

**OUT:** ref(ARRAY) - clone of auth\\_reject\\_web

### **get\_notice\_web()**

Return array of web notice

**IN:** -

**OUT:** ref(ARRAY) - clone of notice\\_web

## reject\_report\_web()

Concerning reject reports of web commands, there are many uses cases:

### 1. internal server error:

- `reject\_report\_web('intern', $error, $data, $action, $list, $user, $robot)`
- `reject\_report\_web('intern\_quiet', $error, $data, $action, $list)`: the listmaster won't be noticed

### 2. user error:

`reject\_report\_web('user', $error, $data, $action, $list)`

### 3. non authorization:

`reject\_report\_web('auth', $error, $data, $action, $list)`

## IN:

1. `type(+)`: 'intern'|'intern\\_quiet'|'user'|'auth'
2. `error(+)`: SCALAR - depends on `$type`:
  - 'intern': `$error` in `listmaster\_notification.tt2` and possibly `$i\_err.msg` in `error.tt2`
  - 'intern\\_quiet': possibly `$i\_err.msg` in `error.tt2`
  - 'user': `$u\_err.msg` in `error.tt2`
  - 'auth': `$reason` in `authorization\_reject.tt2`
3. `data`: `ref(HASH)` - for variable instantiation in `notice.tt2`
4. `action(+)`: SCALAR - the rejected actin, `$xx.action` in `error.tt2`, `$action` in `listmaster\_notification.tt2`
5. `list`: `ref(List)`
6. `user`: SCALAR - the user for listmaster notification
7. `robot`: SCALAR - robot for listmaster notification

**OUT:** 1 undef

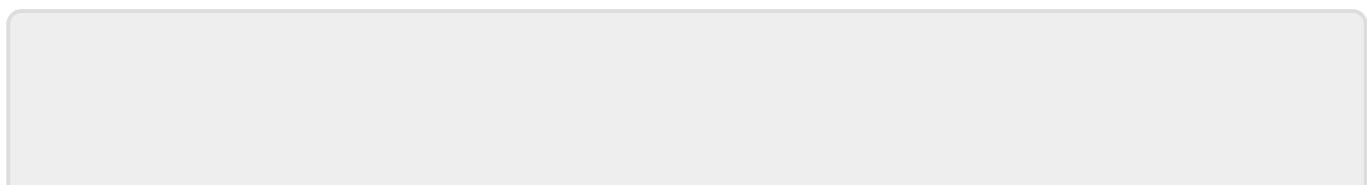
## notice\_report\_web()

Concerns positive notices of web commands.

## IN:

1. `msg`: `$notice.msg` in `notice.tt2`
2. `data`: `ref(HASH)` - for variable instantiation in `notice.tt2`
3. `action`: SCALAR - the noticed command, `$notice.cmd` in `notice.tt2`

**OUT:** 1 undef



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