

sympa.pl

This is the main script; it runs as a daemon and does the message/command processing. It uses these functions: `DoFile()`, `DoMessage()`, `DoCommand()`, `DoSendMessage()`, `DoForward()`, `SendDigest()`, `CleanSpool()`, `sigterm()`, `sighup()`.

Concerning reports about message distribution, function `List::send_file()` (or `List::send_global_file()`) is called with mail template `message_report`. Concerning reports about commands, it is the mail template `command_report`.

DoFile()

Handles a received file: function called by the `sympa.pl` main loop in order to process files contained in the queue spool. The file is encapsulated in a `Message` object not to alter it. Then the file is read, the header and the body of the message are separated. Then the adequate function is called whether a command has been received or a message has to be redistributed to a list.

So this function can call various functions:

- `sympa::DoMessage()` for message distribution;
- `sympa::DoCommand()` for command processing;
- `sympa::DoForward()` for message forwarding to administrators;
- `sympa::DoSendMessage()` for *WWSympa* message sending.





About command process a report can be sent by calling `List::send_global_file()` with template `command_report`. For message report it is the template `message_report`.

IN: `file(+)`: the file to handle

OUT: `$status` - result of the called function undef

DoMessage()

Handles a message sent to a list (those that can make loop and those containing a command are rejected). This function can call various functions:


- `List::distribute_msg()` for distribution (see [list-distribute-msg](#), page )
- `List::send_auth()` for authentication or topic tagging by message sender(see [list-send-auth](#), page )
- `List::send_to_editor()` for moderation or topic tagging by list moderator(see [list-send-to-editor](#), page )
- `List::automatic_tag()` for automatic topic tagging (see [list-automatic-tag](#), page )

IN:

1. `which(+)`: 'list_name@domain_name' - the concerned list
2. `message(+)`: `ref(Message)` - sent message
3. `robot(+)`: robot

OUT: 1 *if everything went fine* in order to remove the file from the queue undef

DoCommand()


Handles a command sent to sympa. The command is parse by calling `Commands::parse()` (see [commands-parse](#), page )

IN:

1. rcpt: receipient <listname>-<subscribeunsubscribe>
2. robot(+): robot
3. msg(+): ref(MIME::Entity) - message containing the command
4. file(+): file containing the message

OUT: \$success - result of `Command::parse()` function undef.

DoSendMessage()


Sends a message pushed in spool by another process (ex: `wwsympa.fcgi`) by calling function `mail::mail_forward()` (see [mail-mail-forward](#), page )

IN:

1. msg(+): ref(MIME::Entity)
2. robot(+): robot

OUT: 1 undef

DoForward()


Handles a message sent to <listname>-editor: the list editor, <list>-request: the list owner or the listmaster. The message is forwarded according to \$function by calling function `mail::mail_forward()` (see [mail-mail-forward](#), page )

IN:

1. name(+): list name *if (\$function != 'listmaster')*
2. function(+): 'listmaster' 'request' 'editor'
3. robot(+): robot
4. msg(+): ref(MIME::Entity)

OUT: 1 undef

SendDigest()

Reads the queuedigest spool and send old digests to the subscribers with the digest option by calling `List::send_msg_digest()` function `mail::mail_forward()` (see [list-send-msg-digest](#), page )

IN: - **OUT:** - undef

CleanSpool()


Cleans old files from spool \$spool_dir older than \$clean_delay.

IN:

1. spool_dir(+): the spool directory
2. clean_delay(+): the delay in days


OUT: 1

sigterm()

This function is called when a signal -TERM is received by sympa.pl. It just changes the value of \$signal loop variable in order to stop sympa.pl after ending its message distribution if in progress. (see [stop-signals](#), page )

IN: - **OUT:** -

sighup()

This function is called when a signal -HUP is received by sympa.pl. It changes the value of \$signal loop variable and switches of the -mail (see [stop-signals](#), page ) logging option and continues current task.

IN: - **OUT:** -

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