






# Database

Work in progress. All the tables are described already though. *Now this doc is produce by a script using Sympa::DatabaseDescrption*

This chapter describes the Sympa database.




## subscriber\_table

This table store subscription, subscription option etc..

Fields	Type	Properties	Usage
user_subscriber	varchar(100)	primary key	email of subscriber
list_subscriber	varchar(50)	primary key	list name of a subscription
robot_subscriber	varchar(80)	primary key	robot (domain) of the list
reception_subscriber	varchar(20)		reception format option of subscriber (digest, summary, etc
suspend_subscriber	int(1)		boolean set to 1 if subscription is suspended
suspend_start_date_subscriber	int(11)		The date (epoch) when message reception is suspended
suspend_end_date_subscriber	int(11)		The date (epoch) when message reception should be restored
bounce_subscriber	varchar(35)		 <b>Fix Me!</b>
bounce_score_subscriber	smallint(6)		 <b>Fix Me!</b>
custom_attribute_subscriber	text		 <b>Fix Me!</b>
bounce_address_subscriber	varchar(100)		 <b>Fix Me!</b>
date_subscriber	datetime		date of subscription
update_subscriber	datetime		the latest date where subscription is confirmed by subscriber
comment_subscriber	varchar(150)		Free form name
number_messages_subscriber	int(5)		the number of message the subscriber sent
visibility_subscriber	varchar(20)		 <b>Fix Me!</b>
topics_subscriber	varchar(200)		topic subscription specification
subscribed_subscriber	int(1)		boolean set to 1 if subscriber comes from ADD or SUB
included_subscriber	int(1)		boolean, set to 1 is subscriber comes from an external datasource. Note that included_subscriber and subscribed_subscriber can both value 1
include_sources_subscriber	varchar(50)		comma seperated list of datasources that contain this subscriber

## user\_table

The user\_table is mainly used to manage login from web interface. A subscriber may not appear in the user\_table if he never log through the web interface..

Fields	Type	Properties	Usage
email_user	varchar(100)	primary key	email user is the key
attributes_user	text		
data_user	text		
cookie_delay_user	int(11)		
lang_user	varchar(10)		user language preference
password_user	varchar(40)		password are stored as fringer print
gecos_user	varchar(150)		
last_login_date_user	int(11)		date epoch from last login, printed in login result for security purpose
last_login_host_user	varchar(60)		host of last login, printed in login result for security purpose
wrong_login_count_user	int(11)		login attempt count, used to prevent brut force attack

### spool\_table

This table is created in version 6.3. It replace most of spools on file system for clustering purpose.



Fields	Type	Properties	Usage
messagekey_spool	bigint(20)	primary key	autoincrement key
spoolname_spool	enum('msg','auth','mod','digest','archive','bounce','subscribe','topic','bulk','validated','task')		the spool name
list_spool	varchar(50)		
robot_spool	varchar(80)		
priority_spool	varchar(2)		priority (list priority, owner priority etc)
date_spool	int(11)		the date a message is copied in spool table
message_spool	longtext		message as string b64 encoded
messagelock_spool	varchar(90)		a unique string for each process : \$\$@hostname
lockdate_spool	int(11)		the date a lock is set. Used in order detect old locks
message_status_spool	enum('ok','bad')		if problem when processed entries have bad status
message_diag_spool	text		the reason why a message is moved to bad
type_spool	varchar(15)		list, list-request, sympy robot or other rcp
authkey_spool	varchar(33)		authentication key for email challenge
headerdate_spool	varchar(80)		the message header date

Fields	Type	Properties	Usage
create_list_if_needed_spool	int(1)		set to 1 if message is related to a dynamic list, set to 0 if list as been created or if list is static
subject_spool	varchar(110)		subject of the message stored to list spool content faster
sender_spool	varchar(110)		this info is stored to browse spool content faster
messageid_spool	varchar(300)		stored to list spool content faster
spam_status_spool	varchar(12)		spamstatus scenario result
size_spool	int(11)		info stored in order to browse spool content faster
task_date_spool	int(11)		date for a task
task_label_spool	varchar(20)		label for a task
task_model_spool	varchar(40)		model of related task
task_object_spool	varchar(50)		object of related task
dkim_privatekey_spool	varchar(1000)		DKIM parameter stored for bulk daemon because bulk ignore list parameters, private key to sign message
dkim_selector_spool	varchar(50)		DKIM parameter stored for bulk daemon because bulk ignore list parameters, DKIM selector to sign message
dkim_d_spool	varchar(50)		DKIM parameter stored for bulk daemon because bulk ignore list parameters, the d DKIM parameter
dkim_i_spool	varchar(100)		DKIM parameter stored for bulk daemon because bulk ignore list parameters, DKIM i signature parameter

Fields	Type	Properties	Usage
dkim_header_list_spool	varchar(500)		DKIM parameter stored for bulk daemon because bulk ignore list parameters, the list of headers included in signature

## bulkmailer\_table

storage of recipients with a ref to a message in spool\_table. So a very simple process can distribute them.

Fields	Type	Properties	Usage
messagekey_bulkmailer	varchar(80)	primary key	A pointer to a message in spool_table. It must be a value of a line in table spool_table with same value as messagekey_spool
packetid_bulkmailer	varchar(33)	primary key	An id for the packet
messageid_bulkmailer	varchar(200)		The message Id
receipients_bulkmailer	text		the comma separated list of recipient email for this message
returnpath_bulkmailer	varchar(100)		the return path value that must be set when sending the message
robot_bulkmailer	varchar(80)		
listname_bulkmailer	varchar(50)		
verp_bulkmailer	int(1)		A boolean to specify if VERP is required, in this cas return_path will be formated using verp form
tracking_bulkmailer	enum('mdn','dsn')		Is DSN or MDM required when sending this message?
merge_bulkmailer	int(1)		Boolean, if true, the message is to be parsed as a TT2 template foreach recipient
priority_message_bulkmailer	smallint(10)		 <b>Fix Me!</b>
priority_packet_bulkmailer	smallint(10)		 <b>Fix Me!</b>
reception_date_bulkmailer	int(11)		The date where the message was received
delivery_date_bulkmailer	int(11)		The date the message was sent
lock_bulkmailer	varchar(30)		A lock. It is set as process-number @ hostname so multiple bulkmailer can handle this spool

## exclusion\_table

exclusion table is used in order to manage unsubscription for subscriber included from an external data source.

Fields	Type	Properties	Usage
user_exclusion	varchar(100)	primary key	
date_exclusion	int(11)		
list_exclusion	varchar(50)	primary key	

## session\_table

managment of http session.

Fields	Type	Properties	Usage
id_session	varchar(30)	primary key	the identifier of the database record
start_date_session	int(11)		the date when the session was created
date_session	int(11)		date epoch of the last use of this session. It is used in order to expire old sessions
remote_addr_session	varchar(60)		The IP address of the computer from which the session was created
robot_session	varchar(80)		The virtual host in which the session was created
email_session	varchar(100)		the email associated to this session
hit_session	int(11)		the number of hit performed during this session. Used to detect crawlers
data_session	text		parameters attached to this session that don't have a dedicated column in the database


## one\_time\_ticket\_table

One time ticket are random value use for authentication chalenge. A ticket is associated with a context which look like a session.

Fields	Type	Properties	Usage
data_one_time_ticket	varchar(200)		
status_one_time_ticket	varchar(60)		
remote_addr_one_time_ticket	varchar(60)		
ticket_one_time_ticket	varchar(30)	primary key	
date_one_time_ticket	int(11)		
robot_one_time_ticket	varchar(80)		
email_one_time_ticket	varchar(100)		

## notification\_table

used for message tracking feature. If the list is configured for tracking, outgoing messages include a delivery status notification request and optionnaly a return receipt request. When DSN MDN are received by Syamp, they are store in this table in relation with the related list and message\_id.

Fields	Type	Properties	Usage
date_notification	int(11)		 Fix Me!
pk_notification	bigint(20)	primary key	Autoincrement key

Fields	Type	Properties	Usage
message_id_notification	varchar(100)		initial message-id. This feild is used to search DSN and MDN related to a particular message
recipient_notification	varchar(100)		email adresse of receiptent for which a DSN or MDM was received
reception_option_notification	varchar(20)		The subscription option of the subscriber when the related message was sent to the list. Ussefull because some receiptent may have option such as <i>digest</i> or <i>nomail</i>
status_notification	varchar(100)		Value of notification
arrival_date_notification	varchar(80)		reception date of latest DSN or MDM
type_notification	enum('DSN', 'MDN')		Type of the notification (DSN or MDM)
message_notification	longtext		The DSN or the MDN itself
list_notification	varchar(50)		The listname the messaage was issued for
robot_notification	varchar(80)		The robot the message is related to

### logs\_table

Each important event is stored in this table. List owners and listmaster can search entries in this table using web interface..

Fields	Type	Properties	Usage
id_logs	bigint(20)	primary key	Unique log's identifier
user_email_logs	varchar(100)		e-mail address of the message sender or email of identified web interface user (or soap user)
date_logs	int(11)		date when the action was executed
robot_logs	varchar(80)		name of the robot in which context the action was executed
list_logs	varchar(50)		name of the mailing-list in which context the action was executed
action_logs	varchar(50)		name of the Sympa subroutine which initiated the log
parameters_logs	varchar(100)		List of commas-separated parameters. The amount and type of parameters can differ from an action to another
target_email_logs	varchar(100)		e-mail address (if any) targeted by the message
msg_id_logs	varchar(255)		identifier of the message which triggered the action
status_logs	varchar(10)		exit status of the action. If it was an error, it is likely that the error_type_logs field will contain a description of this error
error_type_logs	varchar(150)		name of the error string - if any - issued by the subroutine
client_logs	varchar(100)		IP address of the client machine from which the message was sent
daemon_logs	varchar(10)		name of the Sympa daemon which ran the action

## stat\_table

Statistic item are store in this table, Sum average etc are stored in Stat\_counter\_table.

Fields	Type	Properties	Usage
daemon_stat	varchar(10)		
parameter_stat	varchar(50)		
list_stat	varchar(150)		
id_stat	bigint(20)	primary key	
operation_stat	varchar(50)		
email_stat	varchar(100)		
user_ip_stat	varchar(100)		
read_stat	tinyint(1)		
date_stat	int(11)		
robot_stat	varchar(80)		

## stat\_counter\_table

Use in conjunction with stat\_table for users statistics.

Fields	Type	Properties	Usage
list_counter	varchar(150)		
end_date_counter	int(11)		
robot_counter	varchar(80)		
id_counter	bigint(20)	primary key	
beginning_date_counter	int(11)		
data_counter	varchar(50)		
variation_counter	int		
total_counter	int		

## admin\_table

This table is a internal cash where list admin roles are stored. It is just a cash and and it does not need to saved. You may remove its content if needed. It will just make next Sympa start slower..

Fields	Type	Properties	Usage
user_admin	varchar(100)	primary key	List admin email
list_admin	varchar(50)	primary key	Listname
robot_admin	varchar(80)	primary key	List domain
role_admin	enum('listmaster','owner','editor')	primary key	A role of this user for this list (editor, owner or listmaster which a kind of list owner too)
profile_admin	enum('privileged','normal')		privilege level for this owner, value <i>normal</i> or <i>privileged</i> . The related privilege are listed in editlist.conf.

Fields	Type	Properties	Usage
date_admin	datetime		date this user become a list admin
update_admin	datetime		last update timestamp
reception_admin	varchar(20)		email reception option for list managment messages
visibility_admin	varchar(20)		admin user email can be hidden in the list web page description
comment_admin	varchar(150)		
subscribed_admin	int(1)		Set to 1 if user is list admin by definition in list config file
included_admin	int(1)		Set to 1 if user is admin by an external data source
include_sources_admin	varchar(50)		name of external datasource
info_admin	varchar(150)		private information usually dedicated to listmasters who needs some additional information about list owners

### netidmap\_table



Fields	Type	Properties	Usage
netid_netidmap	varchar(100)	primary key	
email_netidmap	varchar(100)		
robot_netidmap	varchar(80)	primary key	
serviceid_netidmap	varchar(100)	primary key	

### conf\_tables



Fields	Type	Properties	Usage
value_conf	varchar(300)		the value of parameter <i>label_conf</i> of robot <i>robot_conf</i> .
robot_conf	varchar(80)	primary key	
label_conf	varchar(80)	primary key	

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