

# Emailer Notes

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When Daisy sends emails (this is e.g. done by the [email notifier](#)<sup>1</sup>, the user self-registration component, the workflow task notifications), the emails are first queued in a database table. The purpose of this is to decouple the component that sends email from the actual sending of the emails.

The database table used for this is called `email_queue`, and has the following structure:

```
mysql> show columns from email_queue;
```

Field	Type	Null	Key	Default	Extra
<code>from_address</code>	<code>varchar(255)</code>	YES		NULL	
<code>to_address</code>	<code>varchar(255)</code>				
<code>subject</code>	<code>varchar(255)</code>				
<code>message</code>	<code>mediumtext</code>				
<code>retry_count</code>	<code>tinyint(4)</code>			0	
<code>last_try_time</code>	<code>datetime</code>	YES		NULL	
<code>created</code>	<code>datetime</code>			0000-00-00 00:00:00	
<code>id</code>	<code>bigint(20)</code>		PRI	NULL	auto_increment
<code>error</code>	<code>varchar(255)</code>				

The emailer component checks regularly (by default: every 20 seconds) if new records have been inserted. It then sends the corresponding email for each of these new records, if a mail is successfully sent (i.e., handed over to the smtp server), the record gets deleted from the database table. If it fails, the exception message is put in the `error` column, the `retry_count` column is augmented, and the `last_try_time` column gets the current time.

The emailer component will try up to 3 times to send a mail, each time waiting 5 hours in between (these values are configurable), before giving up. The record for that email then keeps sitting in the database table for a certain time (by default 7 days), after which it is removed without further notice.

If mails couldn't get out because of a configuration error, or because the smtp server was down, and you want to force the mails to be resent, you can do this by resetting the `retry_count` and `last_try_time` columns:

```
update email_queue set retry_count = 0, last_try_time = null;
```

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1. [daisy:20-cd \(Email Notifier\)](#)