

# Mail server as SMTP



For MicroSoft OAuth2 routing configuring see [Installation specific options: Use MicroSoft OAuth2 routing to send mail](#)

Usually translate5 uses the standard mail server, that is configured via php.ini, which usually goes through sendmail on Linux.

Yet it is possible to configure any mail server to use for a certain translate5 installation through SMTP in translate5's installation.ini.

To do so you can use a configuration like this:

```
;;
;; Mandatory default sender email address and name
;;
resources.mail.defaultFrom.email = MAILADDRESS           ; this is the address that is the sender of the
email, should be something like service@translationcompany.com
resources.mail.defaultFrom.name = "Translation Company"   ; this is the from name for the email and should be
changed to a speakable name

;;
;; SMTP Server Example
;; If there is no local mail server configured, mail sending can optionally be configured to use a third party
mail server:
;;
resources.mail.transport.type = Zend_Mail_Transport_Smtp ;In order to use a separate SMTP server the transport
type must be set to this value
resources.mail.transport.host = SMTPSERVER               ;this should be the hostname of your smtp server,
that should send the mail
resources.mail.transport.name = LOCALSERVERNAME          ;this should be the domain name of the server, that
runs translate5 (used for HELO)

;;
;; Optional, additional SMTP Configuration flags
;;

; E-Mail transport security
resources.mail.transport.ssl = tls | ssl                 ;choose between tls or ssl with ssl the port 465 is
used automatically
; SMTP Server authentication
resources.mail.transport.auth = login | plain | crammd5  ; If authentication is needed for above configure
mail server, choose the correct authtype here
resources.mail.transport.username = USERNAME             ; SMTP server credentials
resources.mail.transport.password = PASSWORD

;;
;; Additional hints for Sendmail usage (default, local e-mail delivery)
;;
resources.mail.transport.type = Zend_Mail_Transport_Sendmail ; when setting additional parameters, the type
must be set explicitly to Sendmail
resources.mail.transport.parameter = '-rsupport@translate5.net' ; a different sender (from) can be set via
parameter

;;
;; Disable E-Mail dispatching
;; in order to disable the e-mail dispatching at all, just add the following optional line to your config. No
other mail transport configuration is needed then.
runtimeOptions.sendMailDisabled = 1
```

In general you can use any kind of further configuration Zend\_Mail of Zend Framework 1 allows. [For a number of examples please have a look here.](#)

To send every mail the server sends as bcc to certain addresses you can add the following lines

```
runtimeOptions.mail.generalBcc[] = support@translationcompany.com
runtimeOptions.mail.generalBcc[] = support2@translationcompany.com
```

[How to configure translate5 to only send error mails to certain addresses \(or to only send errors of certain log levels\) please read here.](#)

# TLS Problems

When using a SMTP server with TLS and receiving TLS problems on mail sending, it could be a problem with the TLS encryption.

## To test the connection in translate5:

Use t5 system:mailcheck

```
[LIVE!] root@smittag:/webs/translate5-1.0.0 # system:mailtest thomas@t5.ppl.sbb
-----
Check e-mail setup
-----
HostName: t5.ppl.sbb.translate5.net
AppRoot: /webs/translate5-1.0.0
Version: 6.5.1

relevant configuration
-----
resources.mail.defaultHostType      LocalMail
resources.mail.transport.type       Zend_Mail_Transport_Smtp
resources.mail.transport.host       t5.ppl.sbb-mail-relay.letsencrypt.info
resources.mail.defaultFrom.name     translate5
resources.mail.defaultFrom.email    translate5@t5.ppl.sbb
runtimeOptions.sendMailLocally     true
runtimeOptions.sendMailToSmtp      true
runtimeOptions.define_EMAIL_REGEX  "[A-Za-z0-9, _+-]@[A-Za-z0-9-]+(\.[A-Za-z]{2,10})?"
runtimeOptions.translation.applicationLocale en
runtimeOptions.translation.followsLocale en
-----

Send test e-mail to "thomas@t5.ppl.sbb"

[ERROR] Error on sending e-mail:
Zend_Mail_Protocol_Exception: Unable to connect via TLS in
/webos/translate5-1.0.0/vendor/shard/zf1-future/Library/Zend/Mail/Protocol/Setup.php:286
Stack trace:
#0 /webos/translate5-1.0.0/vendor/shard/zf1-future/Library/Zend/Mail/Transport/Smtp.php:200:
Zend_Mail_Protocol_Setup->sendMail()
#1 /webos/translate5-1.0.0/vendor/shard/zf1-future/Library/Zend/Mail/Transport/Abstract.php:348:
Zend_Mail_Transport_Smtp->sendMail()
#2 /webos/translate5-1.0.0/vendor/shard/zf1-future/Library/Zend/Mail.php:1201: Zend_Mail_Transport_Abstract->sendMail()
#3 /webos/translate5-1.0.0/Library/ZfExtended/Mailer.php:75: Zend_Mail->send()
#4 /webos/translate5-1.0.0/Translate5/Command/System/Tests/Command.php:94: ZfExtended_Mailer->send()
#5 /webos/translate5-1.0.0/vendor/symfony/console/Command/Command.php:298:
Symfony\Component\Console\Command\Command->execute()
#6 /webos/translate5-1.0.0/vendor/symfony/console/Application.php:1824: Symfony\Component\Console\Command\Command->run()
#7 /webos/translate5-1.0.0/vendor/symfony/console/Application.php:1299:
Symfony\Component\Console\Application->doRunCommand()
#8 /webos/translate5-1.0.0/vendor/symfony/console/Application.php:171: Symfony\Component\Console\Application->doRun()
#9 /webos/translate5-1.0.0/Translate5/Maintenance-CLI.php:185: Symfony\Component\Console\Application->run()
#10 [main]
```

## To test a raw TLS connection (with gmail server as example):

```
openssl s_client -connect smtp.gmail.com:25 -starttls smtp
```

depending on the linux system the path to the systems CAs may be necessary:

```
openssl s_client -connect smtp.gmail.com:25 -starttls smtp -CApath /etc/ssl/certs
```

## Connection with error example:

```
[LIVE!] root@smittag:/webs/ # openssl s_client -connect smtp.gmail.com:25 -starttls smtp
CONNECTED(00000005)
depth=0 C = DE, ST = Baden-Wuerttemberg, L = [REDACTED], CN = [REDACTED]
verify error:num=20:unable to get local issuer certificate
verify return:1
depth=0 C = DE, ST = Baden-Wuerttemberg, L = [REDACTED], CN = [REDACTED]
verify error:num=21:unable to verify the first certificate
verify return:1
---
Certificate chain
 0 s:C = DE, ST = Baden-Wuerttemberg, L = [REDACTED]
  i:C = BE, O = GlobalSign nv-sa, CN = GlobalSign RSA OV SSL CA 2018
---
```

## Sources:

- <https://community.letsencrypt.org/t/cert-validation-error-s-unable-to-get-local-issuer-certificate/147914/8>
- <https://halon.io/blog/how-to-test-smtp-servers-using-the-command-line>