

?????????

## GoDaddy SMTP

GoDaddy Setup: Office 365 Email: Enable SMTP Authentication

Sign in Email & Office Dashboard > Select one email account created (your@domain.name) > Advanced Settings > SMTP Authentication: ON

main.cf:

```
## for GoDaddy SMTP with Office 365
relayhost = [smtp.office365.com]:587
# SASL
smtp_sasl_auth_enable=yes
smtp_sasl_password_maps = hash:/etc/postfix/saslpasswd_godaddy
smtp_sasl_security_options = noanonymous
# TLS
smtpd_tls_key_file = /etc/postfix/tls/godaddy.key
smtpd_tls_cert_file = /etc/postfix/tls/godaddy.crt
smtpd_use_tls = yes
smtp_use_tls = yes
smtpd_tls_auth_only = no
smtp_tls_note_starttls_offer = yes
smtpd_tls_loglevel = 2
smtpd_tls_received_header = yes
smtpd_tls_session_cache_timeout = 3600s
tls_randome_source = dev:/dev/urandom
# Fix for MAIL-FROM
smtp_generic_maps = hash:/etc/postfix/generic
```

?? TLS ??

```
openssl s_client -quiet -starttls smtp -connect smtp.office365.com:587
```

```
depth=2 /C=US/O=DigiCert Inc/OU=www.digicert.com/CN=DigiCert Global Root CA
verify return:1
depth=1 /C=US/O=DigiCert Inc/CN=DigiCert Cloud Services CA-1
verify return:1
depth=0 /C=US/ST=Washington/L=Redmond/O=Microsoft Corporation/CN=outlook.com
verify return:1
250 SMTPUTF8
```

Ctrl + c ???

????? saslpasswd\_godaddy?????????:

```
smtp.office365.com your@domain.name:thisispass
```

```
chmod 0600 saslpasswd_godaddy
postmap hash:/etc/postfix/saslpasswd_godaddy
```

?????

```
cd /etc/postfix
mkdir tls
cd tls
openssl req -x509 -nodes -days 3650 -newkey rsa:2048 -keyout godaddy.key -out godaddy.crt
```

?? MAIL-FROM ??

?? /etc/postfix/generic

```
root@freepbx.sangoma.local your@sender.email.address
root your@sender.email.address
asterisk your@sender.email.address
```

?? generic

```
cd /etc/postfix
postmap generic
```

## Domino Notes SMTP

?? TLS ??

```
openssl s_client -quiet -starttls smtp -connect 10.14.26.18:587
```

```
depth=0 C = TW, ST = Taiwan, L = Taoyuan, O = WIN Semiconductors Corp., OU = IT, CN =  
tpemissp01.winfoundry.com, emailAddress = dominooa@winfoundry.com  
verify error:num=20:unable to get local issuer certificate  
verify return:1  
depth=0 C = TW, ST = Taiwan, L = Taoyuan, O = WIN Semiconductors Corp., OU = IT, CN =  
tpemissp01.winfoundry.com, emailAddress = dominooa@winfoundry.com  
verify error:num=21:unable to verify the first certificate  
verify return:1  
250 PIPELINING
```

SMTP ???????

```
postconf -e "relayhost = [10.14.26.18]:587"  
postconf -e "smtp_use_tls = yes"
```

## Q & A

### STARTTLS is required to send mail

```
Jul 27 02:41:51 freepbx postfix/smtp[20403]: B56021017FB13: to=<alang.hsu@gmail.com>,  
relay=smtp.office365.com[52.96.165.34]:587, delay=10, delays=0.02/0.01/5.3/5.1, dsn=4.0.0, status=deferr  
ed (host smtp.office365.com[52.96.165.34] said: 451 5.7.3 STARTTLS is required to send mail  
[BN9PR03CA0153.namprd03.prod.outlook.com] (in reply to MAIL FROM command))
```

Solution:

- ?? main.cf ? TLS ??
- ???????

### XXX not allowed to send as asterisk@freepbx.sangoma.local

```
Jul 27 04:11:53 freepbx postfix/smtp[31670]: warning: smtp.office365.com[52.96.28.178]:587: response longer  
than 2048: 554 5.2.252 SendAsDenied; info...  
Jul 27 04:11:53 freepbx postfix/smtp[31670]: E0E4010176933: to=<info@mediasystemsfl.com>,  
relay=smtp.office365.com[52.96.28.178]:587, delay=313418, delays=313416/0.01/1.1/0.26, dsn=5.2.252,  
status=bounced (host smtp.office365.com[52.96.28.178] said: 554 5.2.252 SendAsDenied;
```

info@mediasystemsfl.com not allowed to send as asterisk@freepbx.sangoma.local;  
STOREDRV.Submission.Excep  
tion:SendAsDeniedException.MapiExceptionSendAsDenied; Failed to process message due to a permanent  
exception with message [BeginDiagnosticData]Cannot submit message. 0.35250:14350000, 1.3667  
4:0A000000, 1.61250:00000000, 1.45378:02000000, 1.44866:EC2D0000, 1.36674:0E000000,  
1.61250:00000000, 1.45378:F12D0000, 1.44866:CA010000, 16.55847:9A120000,  
17.43559:000000002402000000000000  
0000000000000000, 20.52176:140F52951900103100000000, 20.50032:140F52958917000000000000,  
0.35180:140F5295, 255.23226:0A000000, 255.27962:0A000000, 255.27962:0E000000, 255.31418:19000000,  
0.35  
250:1F001336, 1.36674:0A000000, 1.61250:00000000, 1.45378:02000000, 1.44866:58000000,  
1.36674:32000000, 1.61250:00000000, 1.45378:5D000000, 1.44866:01000000, 16.55847:D3000000,  
17.43559:0000  
00009803000000000000000000000000, 20.52176:140F52951900101062000000,  
20.50032:140F5295891700001F001A00, 0.35180:67000000, 255.23226:0A001380, 255.27962:0A000000,  
255.27962:32000000, 255.  
17082:DC040000, 0.27745:0B002900, 4.21921:DC040000, 255.27962:FA000000, 255.1494:03003600,  
0.38698:0F010480, 1.41134:46000000, 7.36354:0100000000000010B01000000, 0.37692:01000000,  
0.37948:860  
00000, 5.33852:00000000534D545000000000, 7.36354:0100000000000010907000000, 4.56248:DC040000,  
7.40748:0100000000000010B0A000000, 7.57132:0000000000000000003000000, 4.39640:DC040000,  
1.63016:320  
00000, 8.45434:EAFEADFEA5E644438592F8B9E718580F00000000, 1.46798:04000000,  
5.10786:0000000031352E32302E353435382E3032353A424C30505231364D42323333383A3933326136313564  
2D616239372D346165312D623  
030362D3234323361383536363439313A3332323631360093001000000000,  
7.51330:2A6B5D23866FDA0800000000, 0.39570:07000000, 1.55954:0A000000, 0.49266:0200  
Jul 27 04:11:53 freepbx postfix/cleanup[31676]: AC9D41016F023: message-  
id=<20220727041153.AC9D41016F023@freepbx.sangoma.local>  
Jul 27 04:11:53 freepbx postfix/bounce[31675]: E0E4010176933: sender non-delivery notification:  
AC9D41016F023  
Jul 27 04:11:53 freepbx postfix/qmgr[27367]: AC9D41016F023: from=<>, size=8634, nrcpt=1 (queue active)  
Jul 27 04:11:53 freepbx postfix/qmgr[27367]: E0E4010176933: removed  
Jul 27 04:11:53 freepbx postfix/local[31678]: AC9D41016F023: to=<asterisk@freepbx.sangoma.local>,  
relay=local, delay=0.02, delays=0.01/0.01/0/0, dsn=2.0.0, status=sent (delivered to mailbox)  
Jul 27 04:11:53 freepbx postfix/qmgr[27367]: AC9D41016F023: removed

**Solution:**

GoDaddy SMTP ????? sender ????? postfix ????? generic  
????

## openssl ?????

???? 1 ~ 2 ???? TLS ????

```
write:errno=104
```

????

```
depth=2 /C=US/O=DigiCert Inc/OU=www.digicert.com/CN=DigiCert Global Root CA
verify return:1
depth=1 /C=US/O=DigiCert Inc/CN=DigiCert Cloud Services CA-1
verify return:1
depth=0 /C=US/ST=Washington/L=Redmond/O=Microsoft Corporation/CN=outlook.com
verify return:1
250 SMTPUTF8
```

## certificate verification failed

“ postfix/smtp[17989]: certificate verification failed for  
10.14.26.18[10.14.26.18]:587: untrusted issuer  
/DC=com/DC=winfoundry/CN=win-root

???? SMTP Server????

???? SMTP Server ???? CA ????? postfix ???? CA ??

## TLS handshake failed

```
STARTTLS=client, error: connect failed=-1, SSL_error=5, errno=104, retry=-1
ruleset=tls_server, arg1=SOFTWARE, relay=tpemissp01.winfoundry.com, reject=403 4.7.0 TLS handshake
failed.
...relay=tpemissp01.winfoundry.com. [10.14.26.18], dsn=4.0.0, stat=Deferred: 403 4.7.0 TLS handshake failed.
```

?? openssl ??? SMTP ??? TLS ?????

