

# PostFix - Ubuntu - CentOS

This is a simple PostFix setup for only sending outbound e-mails and forwarding e-mails sent to root.

Note: For [G-Mail](#) you may need to allow un-secure Applications.

## Ubuntu :

```
sudo su
```

```
apt-get update && apt-get install -y postfix postfix-pcre mailutils sasl2-bin libsasl2-modules
```

## CentOS :

```
yum install -y postfix mailx cyrus-sasl cyrus-sasl-plain
```

## Configure:

**Note:** You need to copy into a text editor and uncomment the desired Relay Host

```

cat << 'EOL' >/etc/postfix/main.cf
#
# PostFix Config

##Modify Below [HOSTNAME] & [DOMAIN]
myhostname = [HOSTNAME]
mydomain = [DOMAIN.COM/NET/ORG]

##UnComment Relay
# G-Mail
#relayhost = [smtp.gmail.com]:587
# Comcast Residential
#relayhost = [smtp.comcast.net]:587
# Comcast Business
#relayhost = [smtp.hmc1.comcast.net]:587
# Outlook
#relayhost = [smtp.office365.com]:587
# Entrust
#relayhost = [mail.eternatec.com]:587
smtpd_banner = $myhostname ESMTP $mail_name
biff = no
append_dot_mydomain = no
readme_directory = no
smtpd_use_tls=yes
#smtp_tls_security_level = may
smtpd_tls_cert_file=/etc/ssl/certs/ssl-cert-snakeoil.pem
smtpd_tls_key_file=/etc/ssl/private/ssl-cert-snakeoil.key
smtpd_relay_restrictions = permit_mynetworks permit_sasl_authenticated defer_unauth_destination
smtpd_tls_session_cache_database = btree:${data_directory}/smtpd_scache
smtp_tls_session_cache_database = btree:${data_directory}/smtp_scache
smtp_tls_CAfile = /etc/ssl/certs/ca-certificates.crt
smtp_use_tls=yes
smtp_sasl_auth_enable = yes
smtp_sasl_security_options = noanonymous
smtp_sasl_password_maps = hash:/etc/postfix/sasl/sasl_passwd
mynetworks = 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128
mailbox_size_limit = 0
recipient_delimiter = +sender_canonical_maps
inet_interfaces = all
inet_protocols = ipv4
alias_maps = hash:/etc/aliases
alias_database = hash:/etc/aliases
myorigin = $mydomain
#canonical_maps = hash:/etc/postfix/sender_canonical
mydestination = $myhostname.$mydomain $myhostname localhost
sender_canonical_maps = static:$myhostname@$mydomain
#sender_canonical_maps = regexp:/etc/postfix/sender_canonical
EOL

```

#### Note: CentOS Requires the following

```
mkdir /etc/postfix/sasl
```

#### G-Mail

```

cat << EOL >/etc/postfix/sasl/sasl_passwd
[smtp.gmail.com]:587    username@gmail.com:password
EOL
chmod 600 /etc/postfix/sasl/sasl_passwd
postmap /etc/postfix/sasl/sasl_passwd

```

#### Comcast Residential

```
cat << EOL >/etc/postfix/sasl/sasl_passwd
[smtp.comcast.net]:587  username@comcast.net:password
EOL
chmod 600 /etc/postfix/sasl/sasl_passwd
postmap /etc/postfix/sasl/sasl_passwd
```

### Comcast Business

```
cat << EOL >/etc/postfix/sasl/sasl_passwd
[smtp.hmc1.comcast.net]:587  username@domain.com:password
EOL
chmod 600 /etc/postfix/sasl/sasl_passwd
postmap /etc/postfix/sasl/sasl_passwd
```

### Outlook:

```
cat << EOL >/etc/postfix/sasl/sasl_passwd
[smtp.office365.com]:587  username@domain.com:password
EOL
chmod 600 /etc/postfix/sasl/sasl_passwd
postmap /etc/postfix/sasl/sasl_passwd
```

### Entrust:

```
cat << EOL >/etc/postfix/sasl/sasl_passwd
[mail.etrnatec.com]:587  username@domain.com:password
EOL
chmod 600 /etc/postfix/sasl/sasl_passwd
postmap /etc/postfix/sasl/sasl_passwd
```

### Configure TO: Field AKA Root Alias Mapping (Change user@example.com)

```
cat << EOL >/etc/aliases
postmaster:  root
root:  user@example.com
trash: /tmp/mail.trash
EOL
newaliases
```

```
cat << 'EOL' >/etc/postfix/sender_canonical
root  user@domain.com
EOL
postmap /etc/postfix/sender_canonical
```

```
service postfix restart
```

### Ubuntu

```
tail -f /var/log/mail.log
```

### CentOS

```
tail -f /var/log/maillog
```

### In a NEW TERMINAL

### Test Mailing via CLI

```
echo "PostFix Setup Test" | mail -s "Postfix has been configured for $HOSTNAME to send e-mails"  
freesoftwaresevers@gmail.com
```

### Test Root Forward

```
echo "PostFix Setup Test" | mail -s "Root Forward - Postfix has been configured for $HOSTNAME to forward roots  
e-mails to this address" root
```

Note: I had trouble once with FROM Field and this solution was a permanent Fix:

```
cat << EOL >/etc/postfix/header_checks  
/^From:[[:space:]]+(.*)/ REPLACE From: "$HOSTNAME" <Admin@FreeSoftwareServers.com>  
EOL
```

```
sudo su  
cd /etc/postfix  
postmap header_checks  
postconf -e 'smtp_header_checks = regexp:/etc/postfix/header_checks'  
/etc/init.d/postfix reload
```

<https://wiki.4psa.com/display/KB/How+to+change+the+From+header+for+messages+sent+by+Postfix>