

```
#!/bin/bash
#
#####
#
#   Name:           OpenDKIM.sh
#   Author:         Chris Fedun 31/01/2017
#   Description:    OpenDKIM Setup Script
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#
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#####
#####Constants#####
domain_name=$1

function new_dir_and_files
{
sudo mkdir /etc/openssl
sudo mkdir /etc/openssl/keys
sudo mkdir /etc/openssl/keys/$domain_name

sudo touch /etc/openssl/TrustedHosts
sudo touch /etc/openssl/SigningTable
sudo touch /etc/openssl/KeyTable
}

#####Main
#Create new files and directories
new_dir_and_files
echo "AutoRestart           Yes" >> /etc/openssl.conf
echo "AutoRestartRate       10/1h" >> /etc/openssl.conf
echo "UMask                   002" >> /etc/openssl.conf
echo "Syslog                  yes" >> /etc/openssl.conf
echo "SyslogSuccess           Yes" >> /etc/openssl.conf
echo "LogWhy                  Yes" >> /etc/openssl.conf
echo " " >> /etc/openssl.conf
echo "Canonicalization        relaxed/simple" >> /etc/openssl.conf
echo " " >> /etc/openssl.conf
echo "ExternalIgnoreList       refile:/etc/openssl/TrustedHosts" >> /etc/openssl.conf
echo "InternalHosts            refile:/etc/openssl/TrustedHosts" >> /etc/openssl.conf
echo "KeyTable                 refile:/etc/openssl/KeyTable" >> /etc/openssl.conf
echo "SigningTable             refile:/etc/openssl/SigningTable" >> /etc/openssl.conf
echo " " >> /etc/openssl.conf
echo "Mode                     sv" >> /etc/openssl.conf
echo "PidFile                  /var/run/openssl/openssl.pid" >> /etc/openssl.conf
echo "SignatureAlgorithm        rsa-sha256" >> /etc/openssl.conf
echo " " >> /etc/openssl.conf
echo "UserID                   openssl:openssl" >> /etc/openssl.conf
echo " " >> /etc/openssl.conf
echo "Socket                   inet:12301@localhost" >> /etc/openssl.conf

#Connect the milter to Postfix
echo 'SOCKET="inet:12301@localhost"' >> /etc/default/openssl
```

```
postconf 'milter_protocol = 2'
postconf 'milter_default_action = accept'
postconf 'smtpd_milters = unix:/spamass/spamass.sock, inet:localhost:12301'
postconf 'milter_connect_macros = i j {daemon_name} v {if_name} _'
postconf 'non_smtpd_milters = inet:localhost:12301'
```

#Specify the Trusted Hosts

```
echo "127.0.0.1" > /etc/openssl/TrustedHosts
echo "localhost" >> /etc/openssl/TrustedHosts
echo "192.168.0.1/24" >> /etc/openssl/TrustedHosts
echo "" >> /etc/openssl/TrustedHosts
echo ".*.$domain_name" >> /etc/openssl/TrustedHosts
echo '' >> /etc/openssl/TrustedHosts
echo '*.example.net' >> /etc/openssl/TrustedHosts
echo '*.example.org' >> /etc/openssl/TrustedHosts
```

#create a Key Table

```
echo "mail._domainkey.$domain_name
$domain_name:mail:/etc/openssl/keys/$domain_name/mail.private" > /etc/openssl/KeyTable
echo "" >> /etc/openssl/KeyTable
echo "#mail._domainkey.example.com example.com:mail:/etc/openssl/keys/example.com/mail.private"
>> /etc/openssl/KeyTable
echo "#mail._domainkey.example.net example.net:mail:/etc/openssl/keys/example.net/mail.private"
>> /etc/openssl/KeyTable
echo "#mail._domainkey.example.org example.org:mail:/etc/openssl/keys/example.org/mail.private"
>> /etc/openssl/KeyTable
```

#create a Signing table

```
echo "@$domain_name mail._domainkey.$domain_name" > /etc/openssl/SigningTable
echo '' >> /etc/openssl/SigningTable
echo '#*@example.com mail._domainkey.example.com' >> /etc/openssl/SigningTable
echo '#*@example.net mail._domainkey.example.net' >> /etc/openssl/SigningTable
echo '#*@example.org mail._domainkey.example.org' >> /etc/openssl/SigningTable
```

#Generate the Public and Private keys

```
cd /etc/openssl/keys/$domain_name
openssl-genkey -s mail -d $domain_name
chown openssl:openssl mail.private
```

```
#
```

```
sudo service postfix restart
sudo service openssl restart
exit
##### END :) #####
```