

# DKIM KEYS CONFIGURATION

To create proper DKIM it is recommended to separate them by the domain's folder. This provides better readability and management.

```
mkdir /etc/openssl/keys/domain.com
/usr/sbin/openssl-genkey -D /etc/openssl/keys/domain.com/ -d domain.com -s default
chown -R root:openssl /etc/openssl/keys/domain.com
chmod 640 /etc/openssl/keys/domain.com/default.private
chmod 644 /etc/openssl/keys/domain.com/default.txt
```

Once the keys are created, navigate to `/etc/openssl.conf` file (sample file is attached).

Ensure the following configuration settings are enabled

```
KeyTable      /etc/openssl/KeyTable option
SigningTable  refile:/etc/openssl/SigningTable
```

Update `/etc/openssl/SigningTable` file to incorporate new domain

```
*@scheduleinterpreter.com mx1._domainkey.scheduleinterpreter.com
*@domain.com default._domainkey.domain.com
```

Update `/etc/openssl/KeyTable` file to include new domain key

```
mx1._domainkey.scheduleinterpreter.com
scheduleinterpreter.com:mx1:/etc/openssl/keys/scheduleinterpreter.com/mx1.private
rock._domainkey.scheduleinterpreter.com
scheduleinterpreter.com:rock:/etc/openssl/keys/scheduleinterpreter.com/rock.private
default._domainkey.domain.com domain.com:default:/etc/openssl/keys/domain.com/default.private
```

Restart open DKIM `systemctl restart openssl`

Check the status `systemctl status openssl`

```
[root@rock ~]# systemctl status openssl

? openssl.service - DomainKeys Identified Mail (DKIM) Milter
   Loaded: loaded (/usr/lib/systemd/system/openssl.service; enabled; vendor preset: disabled)
   Active: active (running) since Thu 2022-08-18 14:25:08 CDT; 4min 6s ago
     Docs: man:openssl(8)
           man:openssl.conf(5)
           man:openssl-genkey(8)
           man:openssl-genzone(8)
           man:openssl-testadsp(8)
           man:openssl-testkey
           http://www.openssl.org/docs.html
  Process: 6703 ExecStart=/usr/sbin/openssl $OPTIONS (code=exited, status=0/SUCCESS)
 Main PID: 6705 (openssl)
    Tasks: 3
   CGroup: /system.slice/openssl.service
           ??6705 /usr/sbin/openssl -x /etc/openssl.conf -P /var/run/openssl/openssl.pid

Aug 18 14:28:28 rock.scheduleinterpreter.com openssl[6705]: 27IJSRT6024527: no signing table match for
'michelle.mendez1494@gmail.com'
Aug 18 14:28:36 rock.scheduleinterpreter.com openssl[6705]: 27IJSamv028271: DKIM-Signature field added (s=rock,
d=scheduleinterpreter.com)
Aug 18 14:28:52 rock.scheduleinterpreter.com openssl[6705]: 27IJSqNx002478: DKIM-Signature field added (s=rock,
d=scheduleinterpreter.com)
Aug 18 14:28:52 rock.scheduleinterpreter.com openssl[6705]: 27IJSqgl002574: DKIM-Signature field added (s=rock,
```

```
d=scheduleinterpreter.com)
```

```
Aug 18 14:28:56 rock.scheduleinterpreter.com opendkim[6705]: 27IJSuf0003590: DKIM-Signature field added (s=rock, d=scheduleinterpreter.com)
```

```
Aug 18 14:29:02 rock.scheduleinterpreter.com opendkim[6705]: 27IJT2k0005174: DKIM-Signature field added (s=rock, d=scheduleinterpreter.com)
```

```
Aug 18 14:29:03 rock.scheduleinterpreter.com opendkim[6705]: 27IJT3rD005759: DKIM-Signature field added (s=rock, d=scheduleinterpreter.com)
```

```
Aug 18 14:29:04 rock.scheduleinterpreter.com opendkim[6705]: 27IJT4ii006226: DKIM-Signature field added (s=mx1, d=scheduleinterpreter.com)
```

```
Aug 18 14:29:11 rock.scheduleinterpreter.com opendkim[6705]: 27IJTBw5009147: DKIM-Signature field added (s=default, d=jefferson.edu)
```

```
Aug 18 14:29:11 rock.scheduleinterpreter.com opendkim[6705]: 27IJTBQg009242: DKIM-Signature field added (s=default, d=jefferson.edu)
```

Restart sendmail `systemctl restart sendmail`

Testing can be completed at thi site <https://www.appmaildev.com/en/dkim>

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