

Code Signing Keys

This page documents the process for setting up a code signing key. This key is necessary to release a version of Mynewt through the ASF.

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Step 1: Download gpg2

```
[ccollins@ccollins-mac:~/repos/larva]$ brew install gpg2
```

Step 2: Generate a new key

Follow the steps on this page: <http://www.apache.org/dev/openpgp.html#generate-key>

Note: Specify your *apache.org* email address in your user ID.

Step 3: Upload your key to a public server

The Apache OpenPGP page linked above lists some public servers. I used [hkp://pgp.mit.edu](http://pgp.mit.edu). Do this by editing your `~/.gnupg/gpg.conf` file and adding the following line:

```
keyserver hkp://pgp.mit.edu
```

Determine your key ID with:

```
gpg2 --list-sigs
```

Then publish your key to the server with the following command:

```
gpg2 --send-key <key-ID>
```

Example:

```
[ccollins@ccollins-mac:~/repos/larva]$ gpg2 --list-sigs
/Users/ccollins/.gnupg/pubring.gpg
-----
pub  4096R/61047701 2016-02-23
uid      [ultimate] Christopher Collins (CODE SIGNING KEY) <ccollins@apache.org>
sig 3          61047701 2016-02-23  Christopher Collins (CODE SIGNING KEY) <ccollins@apache.org>
sub  4096R/3C6FB130 2016-02-23
sig      61047701 2016-02-23  Christopher Collins (CODE SIGNING KEY) <ccollins@apache.org>

[ccollins@ccollins-mac:~/repos/larva]$ gpg2 --send-key 61047701
gpg: sending key 61047701 to hkp server pgp.mit.edu
```

Step 4: Export your ASCII armored public key

```
[ccollins@ccollins-mac:~/repos/larva]$ ( gpg2 --list-sigs ccollins@apache.org && gpg2 --armor --export
ccollins@apache.org ) > mykey.asc
```

Now you can concatenate your key (*mykey.asc* in this example) to the Mynewt *KEYS* file. This process is described in the [Release Process](#) page.