

# Install Moonshot Libraries on an Ubuntu 12.04 LTS Client



## Page obsolete

This page is obsolete. Please, refer to [Install Moonshot Libraries on a Debian/Ubuntu/Raspbian Client](#) instead.

On this page you will find instructions on how to install the Moonshot Libraries on an Ubuntu 12.04 LTS (Precise Pangolin) device to enable its use as a Moonshot Client.

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## Assumptions & Prerequisites

This guide assumes you have root access to the Linux device. This is required as new software needs to be installed system-wide.

## 1. System Preparation

First, there are a few Ubuntu configuration options that need to be set in advance.

### 1.1. Add the Moonshot Repository

1. Add the Moonshot Debian Wheezy repository to your system. To do this, run the following command (as root, or using sudo):

```
$ echo "deb http://repository.project-moonshot.org/debian-moonshot wheezy main" > /etc/apt/sources.list.d/moonshot.list
```

2. Install the Moonshot GPG key:

```
$ wget -O - http://repository.project-moonshot.org/key.gpg | apt-key add -
```

3. Update the apt cache with the new repository information:

```
$ apt-get update
```

### 1.2. Install updated font-config packages

Ubuntu 12.04 LTS ships with versions of fontconfig-config and libfontconfig that are a little too old for Moonshot. We need to update these packages with newer versions.

1. Download the following two packages:

fontconfig-config:

- i. (64 or 32 bit) [http://launchpadlibrarian.net/113189380/fontconfig-config\\_2.10.1-0ubuntu3\\_all.deb](http://launchpadlibrarian.net/113189380/fontconfig-config_2.10.1-0ubuntu3_all.deb)

libfontconfig1:

- i. (64 bit) [http://launchpadlibrarian.net/113189449/libfontconfig1\\_2.10.1-0ubuntu3\\_amd64.deb](http://launchpadlibrarian.net/113189449/libfontconfig1_2.10.1-0ubuntu3_amd64.deb)
- ii. (32 bit) [http://launchpadlibrarian.net/113189381/libfontconfig1\\_2.10.1-0ubuntu3\\_i386.deb](http://launchpadlibrarian.net/113189381/libfontconfig1_2.10.1-0ubuntu3_i386.deb)

2. Install them:

```
$ dpkg -i fontconfig-config_2.10.1-0ubuntu3_all.deb libfontconfig1_2.10.1-0ubuntu3_*.deb
```

### 1.3. Moonshot GSS Mechanisms

Create a new file at `/usr/etc/gss/mech` (you will likely need to create the `/usr/etc/gss` directory) with the following content:

```
#
# Sample mechanism glue configuration for EAP GSS mechanism.
#
# Any encryption type supported by Kerberos can be defined as the
# last element of the OID arc.
#
eap-aes128    1.3.6.1.5.5.15.1.1.17    mech_eap.so
eap-aes256   1.3.6.1.5.5.15.1.1.18    mech_eap.so
```

## 2. Install the Moonshot Client libraries

We're now ready to install the Moonshot software and its required dependencies. Install the software by running the following command:

```
$ apt-get install moonshot-gss-eap moonshot-ui
```

## 3. Next steps

At this point, you now have all of the required Moonshot software on your device, including the [Moonshot Identity Selector](#). Depending on what client application you are using and wish to enable Moonshot authentication for, your job may now be done, or you may need to go and install a Moonshot compatible version of the client software or configure your existing client. Check [the section on client compatibility](#) if you are unsure.