

Install Moonshot Libraries on a Debian 9 Client

On this page you will find instructions on how to install the Moonshot Libraries a Debian 9 (Stretch) 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.

Experimental

This guide is experimental, as the Debian 9 packages have not been moved to the official repository yet. Currently only AMD64 packages are available.

1. System Preparation

The Moonshot client mechanism and ID manager are part of the standard Debian 9 repository. However, if you prefer having the most updated packages, use the following procedure.

1.1. Get the Debian 9 packages

1. Go to https://jisc365-my.sharepoint.com/:f/g/personal/alex_perez-mendez_jisc_ac_uk/Eirerz1CGgFKpU8eHYC-1qoBPIMTvo8GgWpo-KY7szMWcQ and get the following files:
 - a. libevent-openssl-2.0-5_2.0.21-stable-3_amd64_libssl1.0.deb
 - b. moonshot-ui_1.0.6-2_amd64.deb
 - c. moonshot-gss-eap_1.0.1-3_amd64.deb
 - d. libmoonshot1_1.0.6-2_amd64.deb

libevent issue

All the Moonshot packages are currently built using libssl1.0. However, in Debian 9 libevent-openssl is built using libssl1.1. This difference makes that Moonshot fails randomly. Hence, we provide a version of libevent-openssl built with libssl1.0 to replace the original one.

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 commands:

1. Try to install the packages (it will fail, but that is intended):

```
$ dpkg -i libevent-openssl-2.0-5_2.0.21-stable-3_amd64_libssl1.0.deb  
moonshot-ui_1.0.6-2_amd64.deb moonshot-gss-eap_1.0.1-3_amd64.deb  
libmoonshot1_1.0.6-2_amd64.deb
```

2. Finalise the installation of the packages and the dependencies:

```
$ apt-get install -f
```

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.