

# Install Moonshot Libraries on Debian 8

On this page you will find instructions on how to install the Moonshot libraries on a Debian 8 "Jessie" based system, in order to enable applications /services on that system to perform Moonshot based authentication.

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## Assumptions and Prerequisites

This guide assumes you have an up-to-date Debian 8 based system (a minimal install will do) and that you have a Moonshot RP Proxy (this could be a Moonshot IdP) available to connect to.



## 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

### 1.1. Add the Moonshot repository

1. Add the Moonshot Debian "Jessie" repository to your system. To do this, run the following command:

```
$ echo "deb http://repository.project-moonshot.org/debian-moonshot jessie 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
```

## 2. Install Moonshot

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 libshibsp-plugins
```

## 3. Next Steps

### 3.1. Configure your Moonshot Libraries to connect to an RP Proxy

The Moonshot GSS-EAP mechanism needs to connect to a local Moonshot RP Proxy (RADIUS server) via RADIUS or RadSec in order to create the first hop between the service and the user's home IdP to allow authentication to happen. See the [Configure a Linux Server to Connect to an RP Proxy](#) page for instructions on how to do this.

## 3.2. Configure your Application/Service to use Moonshot

Finally, you may have to [install/configure that application/service as necessary](#).