

Install Moonshot Libraries on RHEL/CentOS/SL 7

On this page you will find instructions on how to install the Moonshot libraries on a RHEL 7, CentOS 7, or Scientific Linux 7 (RHEL/CentOS/SL 7) 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 a RHEL 7, CentOS 7, or Scientific Linux 7 system (a minimal install will do) and that you have a Moonshot RP Proxy available to connect to.

1. System Preparation

1.1. Turn off SELinux

There are currently no SELinux policies for Moonshot, and SELinux must be run in Permissive mode.



For CentOS SELinux information please refer to the CentOS documentation: https://www.centos.org/docs/5/html/5.2/Deployment_Guide/sec-sel-enable-disable.html

1.2. Network configuration

For production deployments, it is recommended that the machine be assigned a static IP address.



For CentOS networking information please refer to the CentOS documentation: https://www.centos.org/docs/5/html/5.1/Deployment_Guide/ch-network-config.html

1.3. Firewall configuration

The following ports are required to be accessible to the outside world in the local firewall:

- 2083/tcp (for RadSec connections to other Moonshot entities, including the RP proxy).

1.4. Add the required repositories

Moonshot requires three `yum` repositories to be added to the system - [EPEL](#) and the Shibboleth repositories (home of some required dependencies), and the Moonshot repository itself.

1. Install EPEL by running the following command:

```
$ yum install epel-release
```



Depending on your platform, the `epel-release` package is part of one of the optional repositories. On CentOS, it is part of the Extras repository. On RHEL, you must enable both the Optional and Extras repositories. For more information, visit the [EPEL homepage](#).

2. Install the official Shibboleth repository:

```
$ wget -O /etc/yum.repos.d/shibboleth.repo http://download.opensuse.org/repositories/security://shibboleth/CentOS_7/security:shibboleth.repo
```

3. Install the Moonshot repository by creating a new file at `/etc/yum.repos.d/moonshot.repo` with the following content:

```
[Moonshot]
name=Moonshot
baseurl=http://repository.project-moonshot.org/rpms/centos7/
failovermethod=priority
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/Moonshot
```

4. Install the Moonshot GPG key:

```
$ wget -O /etc/pki/rpm-gpg/Moonshot http://repository.project-moonshot.org/rpms/centos7/moonshot.key
```

2. Install Moonshot

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

```
$ yum install moonshot-gss-eap --disablerepo=security_shibboleth
```

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](#).