OpenSSH Server on Debian 8

Debian 8 does not ship with a version of OpenSSH that is compatible with Moonshot. To get Moonshot support for it, you must install a specific Moonshot-enabled version. We have a precompiled version available in our repositories.

Contents

All of the instructions below assume that you have root access, and will work as the root user (either directly or using sudo).

The instructions on this page will replace the system provided OpenSSH packages with the Moonshot enabled ones (don't worry, standard SSH things will still work!)

Following the instructions on this page will give you a Moonshot-enabled OpenSSH Server only.

1. System Preparation

1.1. Add the Moonshot libraries.

If you have not already done so, you first need to follow the instructions on how to install the Moonshot Libraries on Debian 8.

1.2. Add the Moonshot OpenSSH Repository

1. We've moved the OpenSSH packages from the main Moonshot repository into their own, so add the Moonshot Debian OpenSSH 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
jessie openssh" > /etc/apt/sources.list.d/moonshot-ssh.list
```

1.3. Configure APT

Debian 8 currently ships with OpenSSH 6.7p1, which matches our version. So that you can install our OpenSSH, and not have it reverted back to the non-Moonshot-enabled system-provided OpenSSH next time you do an `apt-get upgrade`, we must tell `apt` that the Moonshot repository has precedence over the official Debian repositories.

1. Create a file called `/etc/apt/preferences.d/moonshot`, with the following content:

```
Package: *
Pin: release o=moonshot
Pin-Priority: 1200
```

1.4. Ensure that your hostname is correct

The channel bindings check requires that the hostname of your SSH server match the hostname people are SSHing to. That is, the output of the "hostname" and "hostname -f" commands should match the FQDN of the server. If it doesn't, change `/etc/hostname` to make it so.

2. Installation Instructions

1. Install the Moonshot-enabled pre-compiled OpenSSH packages using apt. This will replace the system provided OpenSSH.

```
$ apt-get install ssh openssh-server openssh-client libshibsp-plugins
```

3. Configuration Instructions

Once installed, the Moonshot-enabled OpenSSH server will still need a few quick tweaks in order to turn on the Moonshot support.

Follow the configuration instructions on the OpenSSH Server page to configure the server.