



## OpenSSH for OpenBSD

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Since OpenSSH is developed by the OpenBSD group, OpenSSH is included in the base operating system, starting at OpenBSD release 2.6. So there's nothing to install or add to your system. However, due to newer features or other patches, you may wish to upgrade.

You can download the current OpenSSH release from these [ftp mirrors](#).

The following versions of OpenSSH are available for putting on your OpenBSD machines:

- **OpenSSH 5.9: September 6, 2011**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.9.tar.gz>

If you are installing OpenSSH 5.9 on OpenBSD 4.8 or 4.9, you need the one of the following patches:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd48\\_5.9.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd48_5.9.patch) for OpenBSD 4.8 or  
[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd49\\_5.9.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd49_5.9.patch) for OpenBSD 4.9.

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-5.9.tar.gz
# cd ssh
# patch -p0 < /path/to/openbsd49_5.9.patch # or openbsd48_5.9.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
```

and restart sshd.

- **OpenSSH 5.8: February 4, 2011**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.8.tar.gz>

If you are installing OpenSSH 5.8 on OpenBSD 4.7 or 4.8, you need the following patch:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd48\\_5.8.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd48_5.8.patch).

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-5.8.tar.gz
# cd ssh
# patch -p0 < /path/to/openbsd48_5.8.patch
# make obj
# make cleandir
# make depend
# make
```

```
# make install
# cp ssh_config sshd_config /etc/ssh
```

and restart sshd.

- **OpenSSH 5.7: January 24, 2011**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.7.tar.gz>

If you are installing OpenSSH 5.7 on OpenBSD 4.7 or 4.8, you need the following patch:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd48\\_5.7.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd48_5.7.patch).

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-5.7.tar.gz
# cd ssh
# patch -p0 < /path/to/openbsd48_5.7.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
```

and restart sshd.

- **OpenSSH 5.6: August 23, 2010**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.6.tar.gz>

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-5.6.tar.gz
# cd ssh
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
```

and restart sshd.

- **OpenSSH 5.5: April 16, 2010**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.5.tar.gz>

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-5.5.tar.gz
# cd ssh
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
```

and restart sshd.

- **OpenSSH 5.4: March 8, 2010**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.4.tar.gz>

```
# cd /usr/src/usr.bin
# tar xvfz .../openssh-5.4.tar.gz
# cd ssh
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
```

and restart sshd.

- **OpenSSH 5.3: October 1, 2009**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.3.tar.gz>

If you are installing OpenSSH 5.3 on OpenBSD 4.4, you need the following patch:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd44\\_5.3.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd44_5.3.patch).

```
# cd /usr/src/usr.bin
# tar xvfz .../openssh-5.3.tar.gz
# cd ssh
# patch -p0 < /path/to/openbsd44_5.3.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
# mkdir /var/empty
```

and restart sshd.

- **OpenSSH 5.2: February 23, 2009**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.2.tar.gz>

If you are installing OpenSSH 5.2 on OpenBSD 4.4, you need the following patch:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd44\\_5.2.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd44_5.2.patch). If you installing on OpenBSD 4.3, please use: [ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43\\_5.2.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43_5.2.patch).

```
# cd /usr/src/usr.bin
# tar xvfz .../openssh-5.2.tar.gz
# cd ssh
# patch -p0 < /path/to/openbsd44_5.2.patch
# make obj
# make cleandir
```

```
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
# mkdir /var/empty
```

and restart sshd.

- **OpenSSH 5.1: July 21, 2008**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.1.tar.gz>

If you are installing OpenSSH 5.1 on OpenBSD 4.3, 4.2 or 4.1, you need the following patch:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43\\_5.1.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43_5.1.patch).

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-5.1.tgz
# cd ssh
# patch -p0 < /path/to/openbsd43_5.1.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
# mkdir /var/empty
```

and restart sshd.

- **OpenSSH 5.0: April 3, 2008**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-5.0.tar.gz>

If you are installing OpenSSH 5.0 on OpenBSD 4.3, 4.2 or 4.1, you need the following patch:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43\\_5.0.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43_5.0.patch).

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-5.0.tgz
# cd ssh
# patch -p0 < /path/to/openbsd43_5.0.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
# mkdir /var/empty
```

and restart sshd.

- **OpenSSH 4.9: March 30, 2008**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.9.tar.gz>

If you are installing OpenSSH 4.9 on OpenBSD 4.3, 4.2 or 4.1, you need the following patch:  
[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43\\_4.9.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd43_4.9.patch).

```
# cd /usr/src/usr.bin
# tar xvfz .../openssh-4.9.tgz
# cd ssh
# patch -p0 < /path/to/openbsd43_4.9.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
# mkdir /var/empty
```

and restart sshd.

- **OpenSSH 4.7: September 4, 2007**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.7.tar.gz>

- **OpenSSH 4.6: March 9, 2007**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.6.tar.gz>

- **OpenSSH 4.5: November 7, 2006**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.5.tar.gz>

- **OpenSSH 4.4: September 27, 2006**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.4.tar.gz>

- **OpenSSH 4.3: February 1, 2006**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.3.tar.gz>

- **OpenSSH 4.2: September 1, 2005**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.2.tar.gz>

- **OpenSSH 4.1: May 26, 2005**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.1.tar.gz>

If you are installing OpenSSH 4.1 on OpenBSD 3.5, you need the following patch:  
[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd35\\_4.1.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd35_4.1.patch).

```
# cd /usr/src/usr.bin
```

```
# tar xvfz ../openssh-4.1.tar.gz
# cd ssh
# patch -p0 < /path/to/openbsd35_4.1.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
```

and restart sshd.

- **OpenSSH 4.0: March 9, 2005**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-4.0.tgz>

If you are installing OpenSSH 4.0 on OpenBSD 3.5, you need the following patch:

[ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd35\\_4.0.patch](ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openbsd35_4.0.patch).

```
# cd /usr/src/usr.bin
# tar xvfz ../openssh-4.0.tgz
# cd ssh
# patch -p0 < /path/to/openbsd3x_4.0.patch
# make obj
# make cleandir
# make depend
# make
# make install
# cp ssh_config sshd_config /etc/ssh
# mkdir /var/empty
```

and restart sshd. To support [sshd\(8\)](#)'s privilege separation feature on some older OpenBSD releases, a new user and group named *sshd* have been added to the system. Add the following user entry using [vipw\(8\)](#):

```
sshd:*:27:27::0:0:sshd privsep:/var/empty:/sbin/nologin
```

Add the following to `/etc/group`:

```
sshd:*:27:
_sshagnt:*:34:
```

- **OpenSSH 3.9: August 17, 2004**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.9.tgz>

- **OpenSSH 3.8: February 24, 2004**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.8.tgz>

- **OpenSSH 3.7.1: September 16, 2003**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.7.1.tgz>

- **OpenSSH 3.7: September 16, 2003**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.7.tgz>

- **OpenSSH 3.6.1: April 1, 2003**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.6.1.tgz>

- **OpenSSH 3.6: March 31, 2003**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.6.tgz>

- **OpenSSH 3.5: October 14, 2002**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.5.tgz>

- **OpenSSH 3.4: June 26, 2002**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.4.tgz>

- **OpenSSH 3.3: June 21, 2002**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.3.tgz>

- **OpenSSH 3.2.3: May 22, 2002**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.2.3.tgz>

- **OpenSSH 3.2.2: May 17, 2002**

We replaced the 3.2.2 release with 3.2.3 because of a bug in the BSD\_AUTH access control code, login/tty problems on Solaris and build problems on Cygwin systems.

- **OpenSSH 3.1: March 7, 2002**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.1.tgz>

- **OpenSSH 3.0.2: December 3, 2001**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.0.2.tgz>

- **OpenSSH 3.0.1: November 15, 2001**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.0.1.tgz>

- **OpenSSH 3.0: November 6, 2001**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-3.0.tgz>

- **OpenSSH 2.9.9: September 25, 2001**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.9.9.tgz>

- **OpenSSH 2.9: May 1, 2001**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.9.tgz>

- **OpenSSH 2.5.2: Mar 19, 2001**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.5.2.tgz>

- **OpenSSH 2.5.1: Feb 19, 2001**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.5.1.tgz>

- **OpenSSH 2.5.0: Feb 16, 2001**

We replaced the 2.5.0 release with 2.5.1 because a change we made triggered bugs in ssh-1.2.18 - ssh-1.2.22.

- **OpenSSH 2.3.0: Nov 6, 2000**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.3.0.tgz>

- **OpenSSH 2.2.0: Aug 31, 2000**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.2.0.tgz>

- **OpenSSH 2.1.1: June 8, 2000**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.1.1.tgz>

- **OpenSSH 2.1.0: May 8, 2000**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-2.1.0.tgz>

- **OpenSSH 1.2.3: released March 6, 2000**

<ftp://ftp.openbsd.org/pub/OpenBSD/OpenSSH/openssh-1.2.3.tgz>

If you are interested in seeing if there are any OpenSSH patches, see the [OpenBSD errata pages](#).

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[www@openbsd.org](mailto:www@openbsd.org)

\$OpenBSD: openbsd.html,v 1.90 2011/09/06 19:27:09 deraadt Exp \$