

## Package install

=====

```
sudo dpkg -i weavedconnectd-1.3-06q_x86.deb
(Reading database ... 136610 files and directories currently
installed.)
Preparing to unpack weavedconnectd-1.3-06q_x86.deb ...
Unpacking weavedconnectd (1.3-06q-x86) over (1.3-06q-x86) ...
Setting up weavedconnectd (1.3-06q-x86) ...
[ ok ] Starting weaved (via systemctl): weaved.service.
[ ok ] Starting weaved.schannel (via systemctl):
weaved.schannel.service.
```

=====

Run `sudo weavedinstaller` to interactively add Weaved remote connection services.

=====

If you are adding Weaved services with minimal interaction:  
Copy and edit `/usr/bin/weavedinstaller_OEM` to add account credentials and definitions of services you wish to install.

Run `sudo weavedinstaller_OEM` to add Weaved remote connection services. See additional information in the `weavedinstaller_OEM` script.

```
Processing triggers for systemd (229-4ubuntu7) ...
Processing triggers for ureadahead (0.100.0-19) ...
localhost@localhost-UN0-2271G-E2xAE:~/Downloads$ ls
google-chrome-stable_current_amd64.deb  weavedconnectd-1.3-
```

## Installer

=====

```
localhost@localhost-UN0-2271G-E2xAE:/usr/bin$ sudo ./weavedinstaller
```

```
Weaved connection installer Version: v1.3-06_x86 lib_v1.3-06_x86
Modified: May 20, 2016 (library) May 24, 2016
```

Checking your network for compatibility...

Your network is compatible with Weaved services.

\*\*\*\*\* Sign In Menu \*\*\*\*\*

```
*
* 1) Sign in to your existing Weaved account *
* 2) Request a code for a new Weaved account *
* 3) Enter a verification code received in e-mail *
* 4) Exit *
```

\* \*  
\*\*\*\*\*

Please select from the above options (1-4):

1

Please enter your Weaved Username (email address):  
deepsonar@gmail.com

Please enter your password:

```
===== Installed Weaved Services =====  
Protocol      Port      Service      Weaved Name  
=====
```

```
***** Main Menu *****  
* *  
* 1) Attach/reinstall Weaved to a Service *  
* 2) Remove Weaved attachment from a Service *  
* 3) Exit *  
* *  
*****
```

Please select from the above options (1-3):

1

```
===== Installed Weaved Services =====  
Protocol      Port      Service      Weaved Name  
=====
```

```
***** Protocol Selection Menu *****  
* *  
* 1) Remot3.it (Fleet management) *  
* 2) SSH on port 22 *  
* 3) Web (HTTP) on port 80 *  
* 4) VNC on port 5901 *  
* 5) Custom (TCP) *  
* 6) Return to previous menu *  
* *  
*****
```

You can change the port value during install \*

\*\*\*\*\*

Please select from the above options (1-6):

2

You have selected: 2.

The default port for SSH is 22.

Would you like to continue with the default port assignment? [y/n] y  
We will attach a Weaved connection to the following service:

Protocol: ssh  
Port #: 22

.....  
Enter a name for this Service Attachment (e.g. SSH-Pi).  
This name will be shown in your Weaved Service List.  
Only letters, numbers, underscore, space and dash are allowed.

SSH-UN02271G

Registering Service Attachment SSH-UN02271G.....

Protocol	Port	Service	Weaved Name
SSH	22	sshd	SSH-UN02271G

```
***** Main Menu *****
*
*      1) Attach/reinstall Weaved to a Service      *
*      2) Remove Weaved attachment from a Service  *
*      3) Exit                                       *
*
*****
```

Please select from the above options (1-3):

```
3
localhost@localhost-UN0-2271G-E2xAE:/usr/bin$
localhost@localhost-UN0-2271G-E2xAE:/usr/bin$
localhost@localhost-UN0-2271G-E2xAE:/usr/bin$
```

Testing connection and setup details

=====

```
$ cat /etc/os-release
```

```
NAME="Ubuntu"
VERSION="16.04.1 LTS (Xenial Xerus)"
ID=ubuntu
ID_LIKE=debian
PRETTY_NAME="Ubuntu 16.04.1 LTS"
VERSION_ID="16.04"
HOME_URL="http://www.ubuntu.com/"
```

```
SUPPORT_URL="http://help.ubuntu.com/"
BUG_REPORT_URL="http://bugs.launchpad.net/ubuntu/"
UBUNTU_CODENAME=xenial
```

```
localhost@localhost-UN0-2271G-E2xAE:~$ sudo dpkg --status
weavedconnectd
[sudo] password for localhost:
Package: weavedconnectd
Status: install ok installed
Priority: optional
Section: non-free/net
Maintainer: Gary Worsham <gary@weaved.com>
Architecture: amd64
Version: 1.3-06q-x86
Depends: libc6 (>= 2.1), mawk (>= 1.0), net-tools (>= 1.60-24), grep
(>= 2.1.6), curl (>= 7.22.0), psmisc (>= 22.15-1), cron (>=
3.0pl1-124)
Conffiles:
 /etc/weaved/sample_bulk_reg_file.csv d487d451f1156cf6db03bce9a9ecfabcb
 /etc/weaved/firmware.ver e316640a77b2a412ac0fe91cb85078c4
 /etc/weaved/weavedconnectd.ver f5476b72b35eb4f321e364d4f20ebc37
 /etc/weaved/pfiles/rmt3.i686 49f58ef896fee437dc53937706f15458
 /etc/weaved/pfiles/ssh.i686 d9d5140e2e368c34bd47065fa333d17e
 /etc/weaved/pfiles/web.i686 e391978c85853609999b9e839caea139
 /etc/weaved/pfiles/web8080.i686 5a0dba49a789b3b389bd9c2657e9ef53
 /etc/weaved/schannel.conf e337df3c412fbb22bb2afaa7423531a3
 /etc/init.d/weaved c95566d855f4232dbfe4bab3cd451a85
 /etc/init.d/weaved.schannel f118e1dfc6b066791038d989349c6dc1
Description: Simplifies remote connections to computers behind NAT
firewalls
 weavedconnectd allows you to connect remotely to any tcp-based
service running
 on your Linux or Mac OS/X computer. All that is a required is
installation of
 a small daemon and configuration files. By using Weaved's cloud
services, port
 forwarding can be completely eliminated. Weaved supplies iOS and
Android
 applications as well as convenient access from any browser even
without Weaved
 installed.
 See www.weaved.com for more details.
Homepage: http://www.weaved.com
```

```
localhost@localhost-UN0-2271G-E2xAE:~$ ps ax | grep weaved
5974 ?      S      0:00 /usr/bin/schannel.i686 -f /etc/weaved/
schannel.conf -d /var/run/schannel.i686.pid
6051 pts/6  S+    0:00 grep --color=auto weaved
```

```
localhost@localhost-UN0-2271G-E2xAE:~$ sudo netstat -apn | grep tcp |
grep LISTEN
[sudo] password for localhost:
Sorry, try again.
[sudo] password for localhost:
tcp        0      0 127.0.1.1:53          0.0.0.0:*
LISTEN    1991/dnsmasq
tcp        0      0 0.0.0.0:22           0.0.0.0:*
LISTEN    1396/sshd
tcp6       0      0 :::21                :::*
LISTEN    1403/vsftpd
tcp6       0      0 :::22                :::*
LISTEN    1396/sshd
tcp6       0      0 :::23                :::*
LISTEN    1450/xinetd
```

```
localhost@localhost-UN0-2271G-E2xAE:/usr/bin$ /usr/bin/
weavedconnectd.i686
WeavedConnectd built May 31 2016 at 17:39:39 Now Starting Up
  Version 3.6 - (c)2016 Weaved, Inc. All Rights Reserved
  Built with BCASTER MALLOC_POOL LINUX RESOLVE BIGBUF BACKTRACE
pool=262144
  x86_64 Version
setting web config port to dest_server_port 80
primary local ip = 192.168.1.12
Alarm Created
SetTimer Set, sec=15
alloc pool
config file weavedConnectd.conf
cannot open weavedConnectd.conf config file.
+failed to read config file.
```

```
Static Pool Free
localhost@localhost-UN0-2271G-E2xAE:/usr/bin$ /usr/bin/
weavedconnectd.i686 -n
WeavedConnectd built May 31 2016 at 17:39:39 Now Starting Up
  Version 3.6 - (c)2016 Weaved, Inc. All Rights Reserved
  Built with BCASTER MALLOC_POOL LINUX RESOLVE BIGBUF BACKTRACE
pool=262144
  x86_64 Version
alloc pool
```

#### Running Weaved Network Diagnostics

```
-----
Checking if DNS works ... .[OK]
Checking TCP connectivity to weaved.com...<oip=192.168.1.12> [OK]
```

```
Checking UDP connectivity to weaved.com...
Send to 174.36.235.146:5959 [] [mip=98.234.179.237] [oport=59612
mport=59612] [preserve port]
Send to 174.36.235.146:5960 [] [mip=98.234.179.237] [oport=59612
mport=59612] [no remap] [preserve port] [OK]
```

This router preserves ports, this is optimal.  
This router doesn't remap new connections to new ports.

```
Static Pool Free
Endian : Little
SHA1 test:
  passed.
RC4 test:
  passed
XXTEA test:
  passed.
Looks compatible.
```

```
localhost@localhost-UN0-2271G-E2xAE:~$ ps ax | grep weaved
 5974 ?          S        0:00 /usr/bin/schanel.i686 -f /etc/weaved/
schanel.conf -d /var/run/schanel.i686.pid
 6732 pts/6     S+       0:00 grep --color=auto weaved
```

```
localhost@localhost-UN0-2271G-E2xAE:~$ sudo netstat -apn | grep tcp |
grep LISTEN
tcp        0      0 127.0.1.1:53          0.0.0.0:*
LISTEN    1991/dnsmasq
tcp        0      0 0.0.0.0:22           0.0.0.0:*
LISTEN    1396/sshd
tcp6      0      0 :::21                :::*
LISTEN    1403/vsftpd
tcp6      0      0 :::22                :::*
LISTEN    1396/sshd
tcp6      0      0 :::23                :::*
LISTEN    1450/xinetd
```

```
localhost@localhost-UN0-2271G-E2xAE:~$ /usr/bin/weavedconnectd.i686 -n
WeavedConnectd built May 31 2016 at 17:39:39 Now Starting Up
  Version 3.6 - (c)2016 Weaved, Inc. All Rights Reserved
  Built with BCASTER MALLOC_POOL LINUX RESOLVE BIGBUF BACKTRACE
pool=262144
  x86_64 Version
alloc pool
```

Running Weaved Network Diagnostics

```
-----  
Checking if DNS works ... .[OK]  
Checking TCP connectivity to weaved.com...<oip=192.168.1.12> [OK]  
Checking UDP connectivity to weaved.com...  
Send to 174.36.235.146:5959 [] [mip=98.234.179.237] [oport=59612  
mport=59612] [preserve port]  
Send to 174.36.235.146:5960 [] [mip=98.234.179.237] [oport=59612  
mport=59612] [no remap] [preserve port] [OK]
```

```
This router preserves ports, this is optimal.  
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Static Pool Free  
Endian : Little  
SHA1 test:  
  passed.  
RC4 test:  
  passed  
XXTEA test:  
  passed.  
Looks compatible.
```

```
localhost@localhost-UN0-2271G-E2xAE:~$ cat /proc/cpuinfo  
processor       : 0  
vendor_id      : GenuineIntel  
cpu family     : 6  
model          : 55  
model name     : Intel(R) Atom(TM) CPU E3815 @ 1.46GHz  
stepping       : 9  
microcode      : 0x901  
cpu MHz        : 533.194  
cache size     : 512 KB  
physical id    : 0  
siblings       : 1  
core id        : 0  
cpu cores      : 1  
apicid         : 0  
initial apicid : 0  
fpu            : yes  
fpu_exception  : yes  
cpuid level    : 11  
wp             : yes  
flags           : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge  
mca cmov pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe  
syscall nx rdtscp lm constant_tsc arch_perfmon pebs bts rep_good nopl  
xtopology nonstop_tsc aperfmpperf pni pclmulqdq dtes64 monitor ds_cpl  
vmx est tm2 ssse3 cx16 xtpr pdcm sse4_1 sse4_2 movbe popcnt  
tsc_deadline_timer aes rdrand lahf_lm 3dnowprefetch epb tpr_shadow  
vnmi flexpriority ept vpid tsc_adjust smep erms dtherm arat  
bugs           :  
bogomips       : 2930.40
```

```
clflush size      : 64
cache_alignment   : 64
address sizes     : 36 bits physical, 48 bits virtual
power management:
```

```
localhost@localhost-UN0-2271G-E2xAE:~$
localhost@localhost-UN0-2271G-E2xAE:~$
```