Install notes taken from https://community.openvpn.net/openvpn/wiki/OpenVPN3Linux. Please go here if you need instructions for non-Debian/Ubuntu flavors or other options I didn't cover.

First ensure that your apt supports the https transport:

apt install apt-transport-https

```
root@ubuntu: /home/joeminer

joeminer@ubuntu:~$ sudo bash
[sudo] password for joeminer:
root@ubuntu:/home/joeminer# apt install apt-transport-https
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  apt-transport-https
0 upgraded, 1 newly installed, 0 to remove and 32 not upgraded.
Need to get 1,708 B of archives.
After this operation, 160 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu focal-updates/universe amd64 apt-trans
port-https all 2.0.2ubuntu0.1 [1,708 B]
Fetched 1,708 B in 0s (7,234 B/s)
Selecting previously unselected package apt-transport-https.
(Reading database ... 184409 files and directories currently installed.)
Preparing to unpack .../apt-transport-https_2.0.2ubuntu0.1_all.deb ...
Unpacking apt-transport-https (2.0.2ubuntu0.1) ...
Setting up apt-transport-https (2.0.2ubuntu0.1) ...
root@ubuntu:/home/joeminer#
```

Install the OpenVPN repository key used by the OpenVPN 3 Linux packages

wget https://swupdate.openvpn.net/repos/openvpn-repo-pkg-key.pub

```
root@ubuntu: /home/joeminer

root@ubuntu:/home/joeminer# wget https://swupdate.openvpn.net/repos/openvpn-repo
-pkg-key.pub
--2020-05-26 11:07:14--  https://swupdate.openvpn.net/repos/openvpn-repo-pkg-key
.pub
Resolving swupdate.openvpn.net (swupdate.openvpn.net)... 104.18.110.96, 104.18.1
09.96
Connecting to swupdate.openvpn.net (swupdate.openvpn.net)|104.18.110.96|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 3165 (3.1K) [binary/octet-stream]
Saving to: 'openvpn-repo-pkg-key.pub'

openvpn-repo-pkg-ke 100%[===================>]   3.09K  --.-KB/s    in 0s

2020-05-26 11:07:14 (53.4 MB/s) - 'openvpn-repo-pkg-key.pub' saved [3165/3165]

root@ubuntu:/home/joeminer#
```

apt-key add openvpn-repo-pkg-key.pub

```
root@ubuntu: /home/joeminer

root@ubuntu:/home/joeminer# apt-key add openvpn-repo-pkg-key.pub
OK
root@ubuntu:/home/joeminer#
```

Then you need to install the proper repository. Replace $DISTRO with the release name depending on your Debian/Ubuntu distribution.

wget -O /etc/apt/sources.list.d/openvpn3.list https://swupdate.openvpn.net/community/openvpn3/repos/openvpn3-$DISTRO.list

(this is all one line from wget to .list)

Supported distributions:

Distribution	Release	Release name ($DISTRO)
Debian	9	stretch
Debian	10	buster
Ubuntu	16.04	xenial
Ubuntu	18.04	bionic
Ubuntu	19.10	eoan
Ubuntu	20.04	focal

In my case, I'm using 20.04 so I'll replace $Distro with focal.

wget -O /etc/apt/sources.list.d/openvpn3.list https://swupdate.openvpn.net/community/openvpn3/repos/openvpn3-focal.list

```
root@ubuntu: /home/joeminer

root@ubuntu:/home/joeminer# wget -O /etc/apt/sources.list.d/openvpn3.list https:
//swupdate.openvpn.net/community/openvpn3/repos/openvpn3-focal.list
--2020-05-26 11:13:22--  https://swupdate.openvpn.net/community/openvpn3/repos/o
penvpn3-focal.list
Resolving swupdate.openvpn.net (swupdate.openvpn.net)... 104.18.110.96, 104.18.1
09.96
Connecting to swupdate.openvpn.net (swupdate.openvpn.net)|104.18.110.96|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 109 [binary/octet-stream]
Saving to: '/etc/apt/sources.list.d/openvpn3.list'

/etc/apt/sources.li 100%[===================>]     109  --.-KB/s    in 0s

2020-05-26 11:13:23 (20.1 MB/s) - '/etc/apt/sources.list.d/openvpn3.list' saved
[109/109]

root@ubuntu:/home/joeminer#
```

apt update

```
root@ubuntu: /home/joeminer
root@ubuntu:/home/joeminer# apt update
Hit:1 http://us.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us.archive.ubuntu.com/ubuntu focal-updates InRelease [107 kB]
Get:3 http://security.ubuntu.com/ubuntu focal-security InRelease [107 kB]
Get:4 https://swupdate.openvpn.net/community/openvpn3/repos focal InRelease [5,8
82 B]
Get:5 http://us.archive.ubuntu.com/ubuntu focal-backports InRelease [98.3 kB]
Get:6 https://swupdate.openvpn.net/community/openvpn3/repos focal/main amd64 Pac
kages [2,343 B]
Get:7 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [140
 kB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadat
a [18.7 kB]
Get:9 http://us.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [65.4
 kB]
Get:10 http://us.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [52
.3 kB]
Get:11 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metad
ata [90.5 kB]
Get:12 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Me
tadata [208 B]
Get:13 http://us.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages
 [72.7 kB]
Get:14 http://us.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en
 [31.2 kB]
Get:15 http://us.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 M
etadata [136 kB]
Get:16 http://us.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11
 Metadata [532 B]
Fetched 927 kB in 1s (1,201 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
32 packages can be upgraded. Run 'apt list --upgradable' to see them.
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository
 'https://swupdate.openvpn.net/community/openvpn3/repos focal InRelease' doesn't
 support architecture 'i386'
root@ubuntu:/home/joeminer#
```

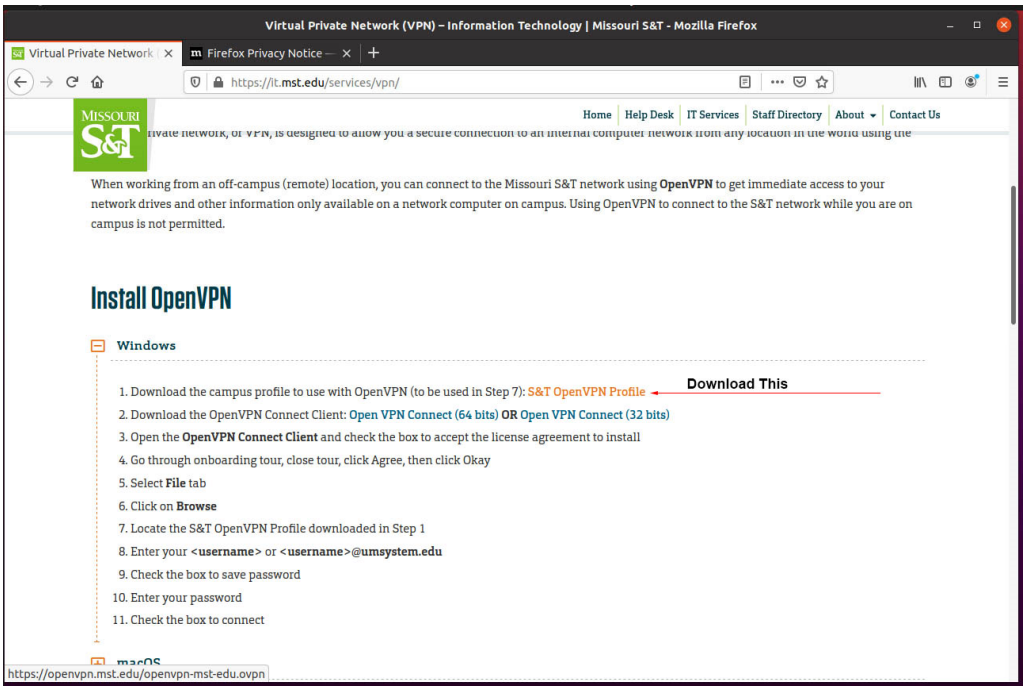
And finally the openvpn3 package can be installed

apt install openvpn3

```
root@ubuntu: /home/joeminer
root@ubuntu:/home/joeminer# apt install openvpn3
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libjsoncpp1
The following NEW packages will be installed:
  libjsoncpp1 openvpn3
0 upgraded, 2 newly installed, 0 to remove and 32 not upgraded.
Need to get 1,308 kB of archives.
After this operation, 5,804 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu focal/main amd64 libjsoncpp1 amd64 1.7
.4-3.1ubuntu2 [75.6 kB]
Get:2 https://swupdate.openvpn.net/community/openvpn3/repos focal/main amd64 ope
nvpn3 amd64 9~beta-1+focal [1,233 kB]
Fetched 1,308 kB in 1s (2,544 kB/s)
Selecting previously unselected package libjsoncpp1:amd64.
(Reading database ... 184413 files and directories currently installed.)
Preparing to unpack .../libjsoncpp1_1.7.4-3.1ubuntu2_amd64.deb ...
Unpacking libjsoncpp1:amd64 (1.7.4-3.1ubuntu2) ...
Selecting previously unselected package openvpn3.
Preparing to unpack .../openvpn3_9~beta-1+focal_amd64.deb ...
Unpacking openvpn3 (9~beta-1+focal) ...
Setting up libjsoncpp1:amd64 (1.7.4-3.1ubuntu2) ...
Setting up openvpn3 (9~beta-1+focal) ...
openvpn3-autoload.service is a disabled or a static unit, not starting it.
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for dbus (1.12.16-2ubuntu2) ...
Processing triggers for libc-bin (2.31-0ubuntu9) ...
root@ubuntu:/home/joeminer#
```

Now download our .ovpn file:

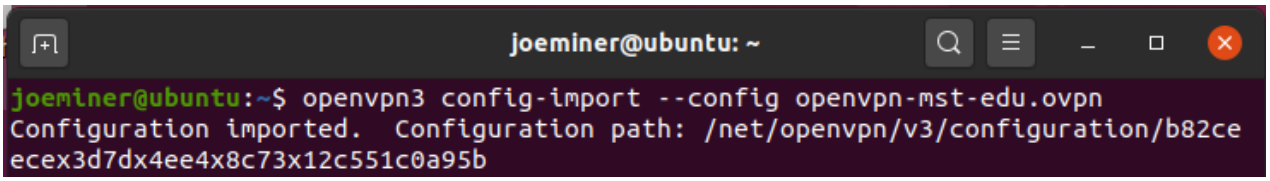
https://openvpn.mst.edu/openvpn-mst-edu.ovpn remember where you save this.



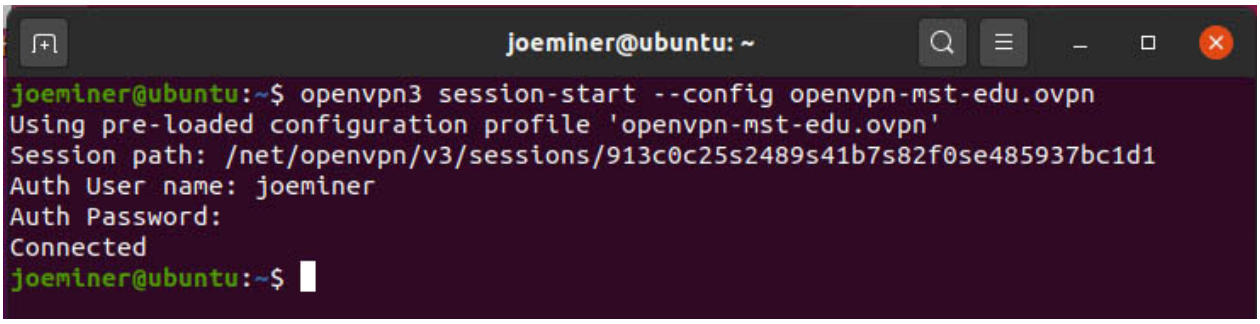
To use our VPN:

From your command line,

$ openvpn3 config-import --config openvpn-mst-edu.ovpn (imports our profile)



$ openvpn3 session-start --config openvpn-mst-edu.ovpn (starts the VPN session)



Once you're finished, please disconnect the session using:

$ openvpn3 session-manage --config openvpn-mst-edu.ovpn --disconnect

```
joeminer@ubuntu: ~
joeminer@ubuntu:~$ openvpn3 session-manage --config openvpn-mst-edu.ovpn --disco
nnect
Initiated session shutdown.

Connection statistics:
     BYTES_IN....................12248
     BYTES_OUT...................6161
     PACKETS_IN.....................59
     PACKETS_OUT....................62
     TUN_BYTES_IN................3517
     TUN_BYTES_OUT...............4990
     TUN_PACKETS_IN................44
     TUN_PACKETS_OUT...............40

joeminer@ubuntu:~$
```