

## README.rst

# sshuttle: where transparent proxy meets VPN meets ssh

As far as I know, sshuttle is the only program that solves the following common case:

- Your client machine (or router) is Linux, FreeBSD, or MacOS.
- You have access to a remote network via ssh.
- You don't necessarily have admin access on the remote network.
- The remote network has no VPN, or only stupid/complex VPN protocols (IPsec, PPTP, etc). Or maybe you *are* the admin and you just got frustrated with the awful state of VPN tools.
- You don't want to create an ssh port forward for every single host/port on the remote network.
- You hate openssh's port forwarding because it's randomly slow and/or stupid.
- You can't use openssh's PermitTunnel feature because it's disabled by default on openssh servers; plus it does TCP-over-TCP, which has [terrible performance](#).

## Obtaining sshuttle

- Ubuntu 16.04 or later:  
`apt-get install sshuttle`
- Debian stretch or later:  
`apt-get install sshuttle`
- Arch Linux:  
`pacman -S sshuttle`
- Fedora:  
`dnf install sshuttle`
- openSUSE:  
`zypper in sshuttle`
- Gentoo:  
`emerge -av net-proxy/sshuttle`
- NixOS:  
`nix-env -iA nixos.sshuttle`
- From PyPI:

```
sudo pip install sshuttle
```

- Clone:

```
git clone https://github.com/sshuttle/sshuttle.git
cd sshuttle
sudo ./setup.py install
```

- FreeBSD:

```
# ports
cd /usr/ports/net/py-sshuttle && make install clean
# pkg
pkg install py36-sshuttle
```

- macOS, via MacPorts:

```
sudo port selfupdate
sudo port install sshuttle
```

It is also possible to install into a virtualenv as a non-root user.

- From PyPI:

```
virtualenv -p python3 /tmp/sshuttle
. /tmp/sshuttle/bin/activate
pip install sshuttle
```

- Clone:

```
virtualenv -p python3 /tmp/sshuttle
. /tmp/sshuttle/bin/activate
git clone https://github.com/sshuttle/sshuttle.git
cd sshuttle
./setup.py install
```

- Homebrew:

```
brew install sshuttle
```

- Nix:

```
nix-env -iA nixpkgs.sshuttle
```

## Documentation

The documentation for the stable version is available at: <https://sshuttle.readthedocs.org/>

The documentation for the latest development version is available at:

<https://sshuttle.readthedocs.org/en/latest/>

## Running as a service

Sshuttle can also be run as a service and configured using a config management system:

<https://medium.com/@mike.reider/using-sshuttle-as-a-service-bec2684a65fe>

