



# **SquidNet**

**Network Render Manager**

**LINUX Installation Guide**

**Version 1.2**  
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# **SquidNet Network Distribution Processor – LINUX Installation Guide**

## **About this document:**

This manual will describe the SquidNet installation on a Linux Operating System. It's assumed that the reader is familiar with basic operating system, administrative and networking terms.

For any suggestions or comments, feel free to contact us; contact information can be found in the Help menu in the SMC console and on our website at <http://www.squidnetsoftware.com>.

## 1 Instructions

### 1.1 Requirements

For Linux, SquidNet supports a majority of the more popular 32/64 bit distributions.

Please make sure that your system is up to date with the latest application packages and security updates before starting this procedure.

### 1.2 Firewall

**\*\*\* IMPORTANT \*\*\***

The squidnetd daemon uses the following network ports:

- TCP 17394
- UDP 17395
- UDP 17396

Please make sure you open these ports up in your firewall ("**Other Ports**") and also make sure that the local interface (eth\*) is marked as trusted in the **Trusted Interfaces** page. Not doing so will cause tipnode detection issues.

### 1.3 Hostname lookup

**\*\*\* IMPORTANT \*\*\***

Please make sure that your Linux system has the proper hostname name setup so that when a hostname lookup is made the correct network IP address is returned.

For Debian based distributions:

- Add you hostname to `"/etc/hostname"`
- Execute `"/etc/init.d/hostname.sh start"` (or reboot)

For RedHat based distributions:

- Edit `"/etc/sysconfig/network"`
- Execute `"/etc/rc.d/rc.sysinit"` (or reboot).

Alternatively, but not recommended, you can edit your `/etc/hosts` file to include the hostname and IP address. If the hostname of your node is not present in `/etc/hosts`, SquidNet will use the IP address assigned to network interface `"eth0"`.

```
[root@REDHATSERVER00 ~]# cat /etc/hosts
# Do not remove the following line, or various programs
# that require network functionality will fail.
127.0.0.1          localhost.localdomain localhost
::1              localhost6.localdomain6 localhost6
10.0.0.21         REDHATSERVER00
[root@REDHATSERVER00 ~]# vi /etc/hosts
[root@REDHATSERVER00 ~]#
```

Tipnode name setup in `/etc/hosts` file.

### 1.4 SMC Console

Because the SMC console only runs on WINDOWS, you'll need to install the WINDOWS version of SquidNet on a WINDOWS host. There's no equivalent GUI that runs on Linux.

### 1.5 System Dependencies

SquidNet has a few operating system packages that must be installed. Depending on your distribution, do the following:

For RedHat (Fedora, etc...) distributions, do the following:

```
> sudo yum install ethtool
```

For Debian (Ubuntu, etc...) distributions, do the following:

```
> sudo apt-get install ethtool
```

if using 64-Bit Linux, do:

```
> sudo apt-get install ethtool ia32-libs
```

### 1.6 Install

The SquidNet installation is done with a simple tarball. You must be logged into a "root" account to execute the following procedures:

**64-Bit Distribution Note:** When installing SquidNet on a 64-bit Linux Operating System, you must install the 32-bit libraries beforehand. For example, on debian-based systems you can install the 32-bit libraries using the following command:

```
>> sudo apt-get install ethtool ia32-libs
```

- Make sure you have the latest version of the Linux SquidNet installer available. Always check the website for the latest updates.
- Open up a terminal and make sure you have "sudo" root access.
- Execute the following commands:

```
>> "cd" to folder where the SquidNet installer resides.
```

```
>> tar xvzf squidnet-linux-2.66P31.tar.gz
```

```
>> chmod +x ./squidnet-linux-2.66P31.bin
```

```
>> sudo ./squidnet-linux-2.66P31.bin
```

- You may start, stop or restart the SquidNet daemon using the following commands (as root):
  - sudo /etc/init.d/squidnet start
  - sudo /etc/init.d/squidnet stop
  - sudo /etc/init.d/squidnet restart

### 1.7 Uninstall

To uninstall SquidNet, do the following:

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- “cd” to SquidNet installation directory (/usr/squidnet) and execute uninstall script (squidnet-uninstall.sh).