

Installing Mesh Chat on LinuxMint

Fresh LinuxMint Install

- Change Hostname to VA7FI-Linux because that'll be the node name on Mesh Chat:

```
sudo hostnamectl set-hostname VA7FI-Linux
```

Installing Mesh Chat

Following the instructions on [Trevorsbench](#):

- Install dependencies:

```
sudo aptitude install curl apache2
```

- Download and install Mesh Chat:

```
wget https://s3.amazonaws.com/aredn/meshchat_1.02_all.deb
sudo dpkg -i meshchat_1.02_all.deb
```

- Edit configuration file:

```
sudo pico /usr/lib/cgi-bin/meshchatconfig.pm
```

and edit the last two lines so that the zone matches the other Mesh Chat Instances, and the node is the name of your AREDN Node. In my case:

```
our $pi_zone = 'MIMeshChat';
our $local_meshchat_node = 'VA7FI-HAP-1';
```

Tests

- <http://localhost/meshchat/>
- <http://<ip from AREDN>/meshchat/>

Problem 1

“Lock Error” Ref: <https://www.arednmesh.org/content/pi-meshchat-error-sending-message>

Looking in `/var/log/apache2/error.log`, I see many of:

```
touch : cannot touch '/tmp/meshchat/lock' : No such file or directory.  
could not get lock at /usr/lib/cgi-bin/meshchatlib.pm line 35
```

Issue is that apache doesn't allow use of /tmp folder. So created these:

```
sudo mkdir /var/www/html/meshchat/tmp/  
sudo mkdir /var/www/html/meshchat/tmp/meshchat/  
sudo chown www-data:www-data -R /var/www/html/meshchat/tmp/  
sudo chmod 770 -R /var/www/html/meshchat/tmp/
```

Edit config file to update location of /tmp folder:

```
sudo pico /usr/lib/cgi-bin/meshchatconfig.pm
```

And replace every instance of /tmp/ by /var/www/html/meshchat/tmp/

Restart services:

```
sudo systemctl daemon-reload  
sudo /etc/init.d/apache2 restart  
sudo /etc/init.d/meshchatsync restart
```

Problem 2

Not getting chats from other MIMeshChat instances