## **Linux Server**

## Prerequisites

Running a home Linux Server on AREDN is pretty simple.

- Install LinuxMint Xfce on a cheap laptop.
- Update it and reboot if necessary.
- Change the Linux hostname, which will identify the computer in various place on AREDN. I renamed mine VA7FI-Linux:

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

• Install Apache:

```
sudo aptitude install curl apache2
```

## Website

The website folder is located here: /var/www/html/ Anything you put in there (with the right permissions) will be visible to others on the AREDN network. Let's get a few things out of the way first.

• Create a link to your home folder for ease of access:

```
ln -s /var/www/html ~/
```

• Let's change the ownership of everything in that folder so we (the user) and the web process can access them easily. My username is a redn, which you should replace with your own username.

```
sudo chown aredn:www-data -R /var/www/html/
```

• Let's change the permissions:

```
sudo chmod 770 -R /var/www/html/
```

In general, those permissions are ok, but depending on what you're running as a web service, they could be too permissive. That being said, since we're not exposing our site to the open internet, we're probably ok with those.

## **AREDN Node Configuration**

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