# **Linux Server**

# Prerequisites

Running a home Linux Server on AREDN is pretty simple.

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

sudo hostnamectl set-hostname VA7FI-Linux

• Install Apache:

sudo aptitude install curl apache2

## Website

#### The html Folder

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 ~/

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

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

• 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.

#### The index.html File

We're now ready to write our fist webpage! You can delete the file index.html in the webfolder and create one of your own. There's a simple online html editor that's very convenient to use for small pages: simply edit the text you want on the left, and copy the html code on the right into your index.html file. Here's VA7FI's page as an example.<sup>1)</sup>

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At this point, you should be able to view your webpage from your Linux computer here: http://localhost/

## **AREDN Node Configuration**

1)

You must be on the AREDN network to view the page