

# 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 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 ~/
```

- 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 aredn, 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.

## The index.html File

We're now ready to write our first 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>

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

## AREDN Node Configuration

<sup>1)</sup>



You must be on the AREDN network to view the page