

Installing Airtime and Icecast server on Ubuntu Server

Base system

Install 32-bit Ubuntu Server 10.04 LTS ("Lucid"). *Latest version is 10.04.3*

Just do a minimum installation. You may want to add the openssh package for remote access, but other than that don't install any package sets during server installation.

Update the system after installation, and install any editors or utilities you like to have available.

Network setup

Skip this section if using DHCP.

Edit `/etc/network/interfaces` to provide static IP settings. For example:

```
# The primary network interface
auto eth0
iface eth0 inet static ← change from iface eth0 inet dhcp
address 10.224.1.208
netmask 255.255.255.0
gateway 10.224.1.1
```

Then restart the interface (or reboot):

```
ifdown eth0
ifup eth0
```

Install Icecast

Icecast is available in the Ubuntu repositories, so installation is just:

```
apt-get install icecast2
```

When you install Airtime, the Icecast configuration files will be replaced, so you can skip the following unless you want to use Icecast without Airtime.

Check the Icecast configuration file `/etc/icecast2/icecast.xml` and note or change the default passwords. To have the icecast server start at system boot, edit `/etc/default/icecast2` and set `ENABLE=true`.

Install Airtime

Airtime is a Debian package and relies on the gdebi installer program, which is not part of the default Ubuntu server installation. So install this first:

```
apt-get install gdebi
```

Then download the Airtime installer package:

```
wget http://apt.sourcefabric.org/mics/airtime-easy-setup.deb
```

Use gdebi to install the installer package (which adds some repositories and helper scripts to your system)

```
gdebi airtime-easy-setup.deb
```

Now update the package list and install airtime:

```
apt-get update
apt-get install airtime
```

Source clients

Ices

The ices2 client that handles ogg-vorbis streaming is in the Ubuntu repository. The earlier ices client that support mp3 streaming is in the Medibuntu repository.

(See <https://help.ubuntu.com/community/Medibuntu> for instructions to add the repository.)

Configure `/etc/ices.conf` (based on `/usr/share/doc/ices/examples/ices.conf`)

VLC

To stream some audio using VLC ...

In VLC, click "Tools" and then "Preferences"

Under "Show settings" select "All"

Select "Stream output" -> "Access output" -> "Shoutcast"

Enter whatever stream info you want here but make sure to check "Stream MP3"

Save the settings

In VLC, select "Media" and then "Streaming"

Pick whatever file you're going to stream then click "Stream"

Select "IceCast" for new destination and then click "Add"

Enter the server information

Check "Activate Transcoding" and select "Audio - MP3" for "Profile"

Click "Stream" to start streaming.