

An EndeavourOS based Simple Home Server.

MINIDLNA

Minidlna is not necessary for a XFCE Desktop Environment to play media from enosServer. Parole will do that just fine. Although I have to admit that VLC does a great job with DLNA.

If you want to play your MP3s, display Pictures, and view videos, on your Smart TV or any other DLNA device, a minidlna server will need to be installed.

IN A LINUX CLIENT computer, from a Terminal window, SSH into the enosServer and become root.

```
# pacman -S minidlna      (when asked about repositories, I hit enter and accept the default)
```

```
# vi /etc/minidlna.conf  
    port=8200              (in the second line, make sure port is set to 8200)
```

You can tell minidlna what directories on enosServer it will share.

Scroll to the section that begins with “# set this to the directory you want scanned.”

There are directions and examples given. Here is how I set up my directories

```
media_dir=A,/server/MP3  
media_dir=P,/server/Pictures  
media_dir=V,/server/Movies
```

The A, indicates the following directory will contain Audio. P, = Pictures V, = Videos which are the three media formats that minidlna supports.

In my case the directory /server/MP3 and all sub-directories contains my Audio the directory /server/Pictures and all sub-directories contains my Pictures (images) and /server/Movies and all sub-directories contains my MP4 videos.

All directories specified must exist on the enosServer Data drive. Adjust the paths to whatever you set up for your media.

(Right under this section is the Friendly Name section I changed it to: remove the #)

```
friendly_name=EndeavourOS DLNA server
```

Save and close minidlna.conf

```
# gpasswd -a minidlna pshare      (add pshare to the minidlna group)
```

```
# gpasswd -a minidlna users
```

```
# groups minidlna
```

```
    minidlna users pshare
```

```
# systemctl enable minidlna.service  (enable systemd to start minidlna at boot up)
```

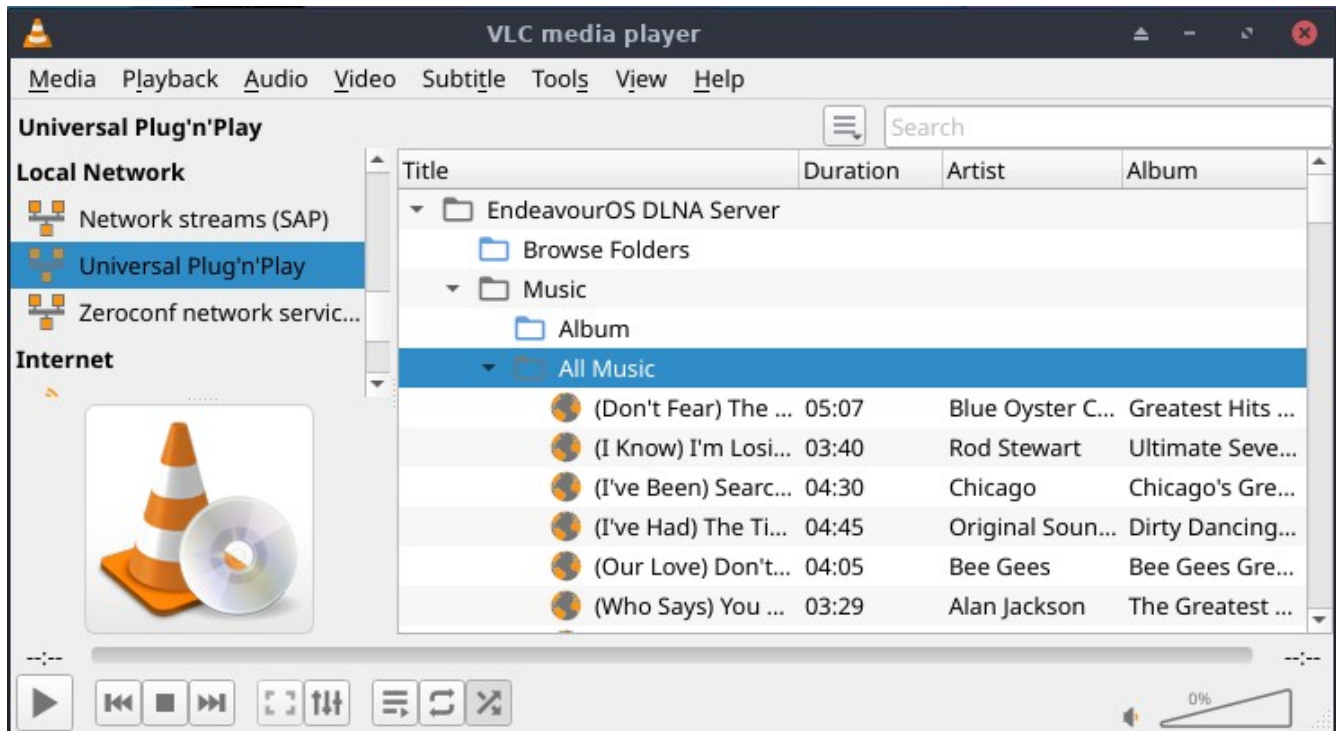
```
# ufw allow from 192.168.0.0/24 to any port 8200  (set Client computer to allow port 8200)
```

```
# ufw allow from 192.168.0.0/24 to any port 1900
```

Reboot the enosServer computer.

Using a Smart TV, Windows MediaPlayer, VLC, or other DLNA enabled device on your LAN, see if it will recognize the EndeavourOS DLNA Server. Minidlna works on my Samsung Smart TV, and my YAMAHA AV Reciever. **If a desktop or laptop computer is used as a minidlna client, be sure to open port 8200 and port 1900 incoming on any installed firewalls as above.**

To use DLNA with VLC, if the Playlist column is not visible on the left side, click on the "View" tab and click "Playlist". Scroll down to "Universal Plug'n'Play" and click. EndeavourOS DLNA Server should be listed.



More info setting up the configuration file can be found at:
<https://www.mankier.com/5/minidlna.conf>

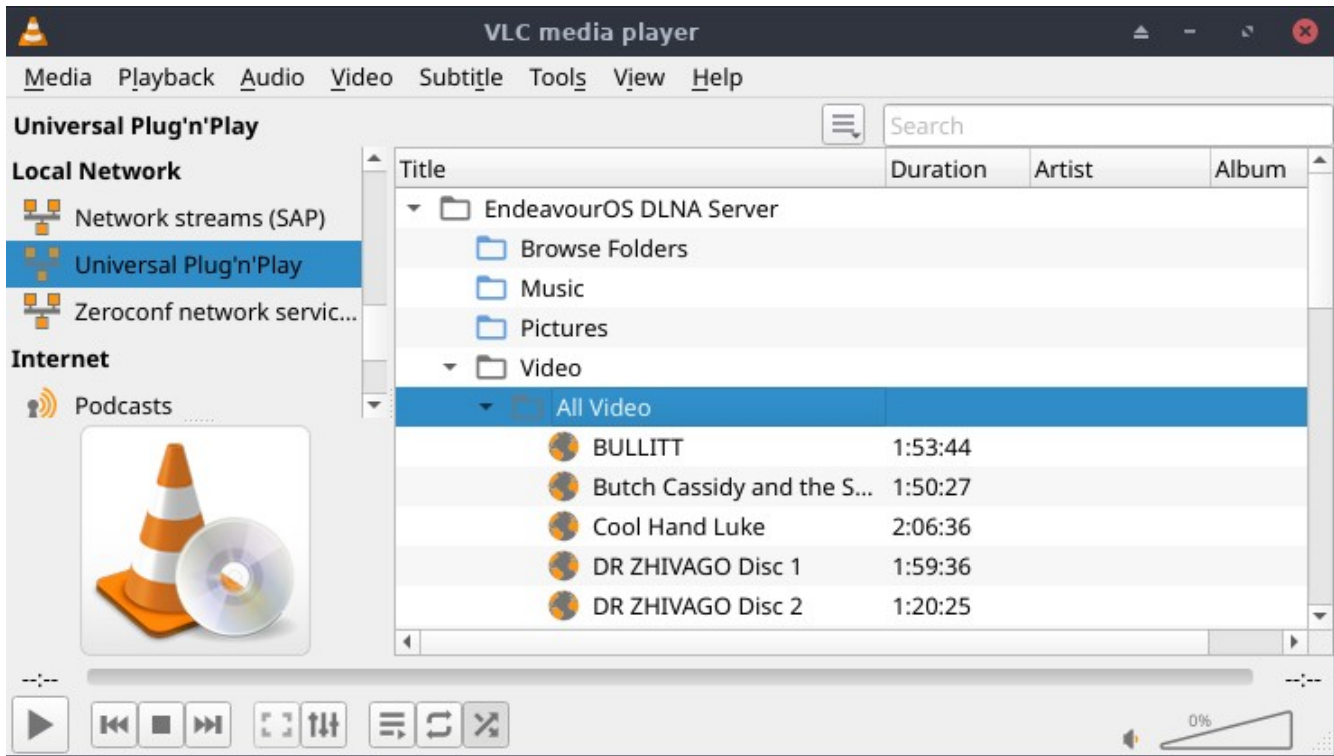
For audio, I know mp3, ogg, flac, and wma are supported, as long as the DLNA client supports those formats. VLC on a PC supports all four. My SMART TV, not so much. You can mix and match, media_dir=A,/server/MP3 and another line media_dir=A,/server/ogg and it will load and play both formats.

For Pictures (images), jpeg and png are supported, not sure about any others

For Video, mp4 is supported, not sure about any others.

These are the major formats. Experiment around and see what else is supported.

You can also select and view your MP4 movies on VLC.



What I mainly use DLNA for is, in the morning I turn on the smart TV in the family room and go to Audio (DLNA) and let it randomly play my music. This provides nice background music. I also use VLC on my Linux Client to play audio files simply because it is so easy and convenient. I don't watch MP4 movies over DLNA on the smart TV. If I am sitting in front of a 60 inch led TV, I just put in the original DVD and watch it in all it's glory.