

# Preliminary Report on Ventoy's PXE ("iVentoy")

September 21, 2023

**Definition:** PXE is a LAN adapter technology to allow machines to boot from their wired network. It has been a standard for decades and is adequately described by [Wikipedia, here.](#)

## Scenario

- A PC running ANY Linux
- Wired network with the above PC
- Another PC that will boot after the PXE service is started

## Setup the PXE service

It could NOT have been any simpler as Ventoy development has made this simple to do. Anyone merely:

1. Downloads the iVentoy for Linux
2. Expand the compressed file in a folder
3. Expansion creates 7 sub-folders and a CLI script



4. Place a FATDOG ISO in the "iso" sub-folder



5. Open a terminal in the folder
6. Launch the script file. It will tell you to open a browser

```
Terminal

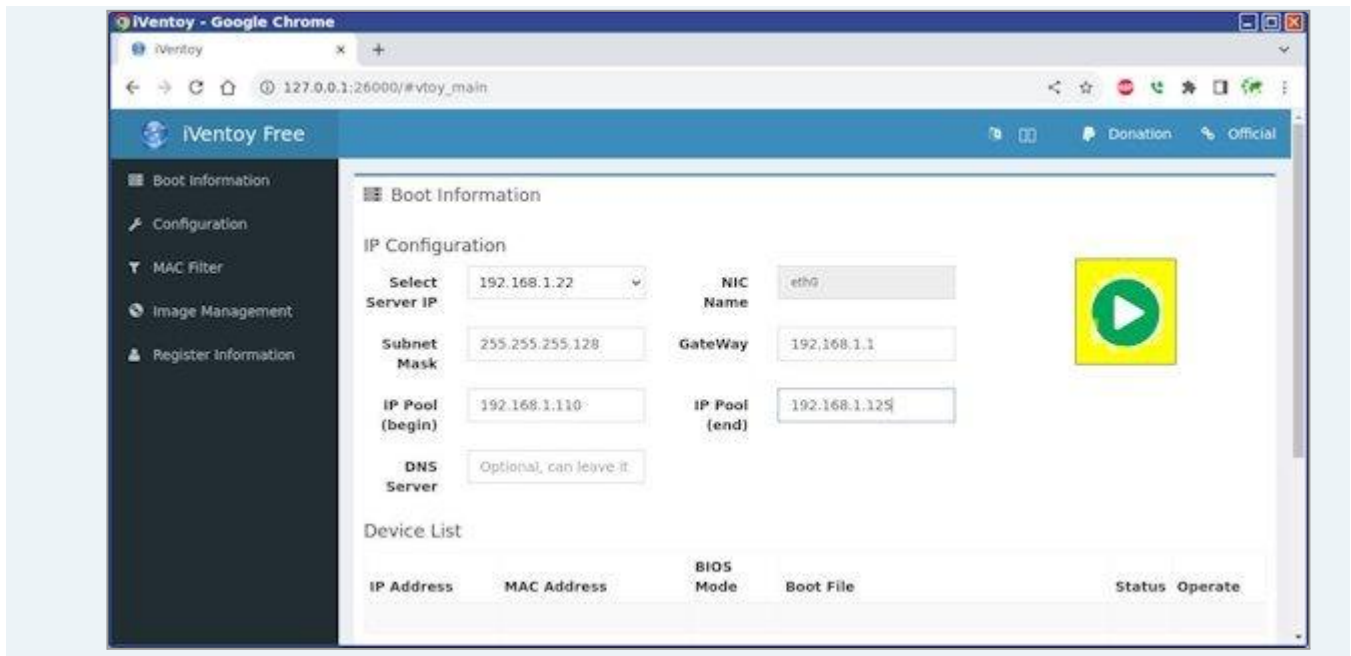
# ./iventoy.sh
Usage: ./iventoy.sh { start | stop | status }

# ./iventoy.sh start
iventoy start SUCCESS PID=25955

Please open your browser and visit http://127.0.0.1:26000 or http://x.x.x.x:26000
(x.x.x.x is any valid IP address)

# ./iventoy.sh status
iventoy is running, PID=9763
```

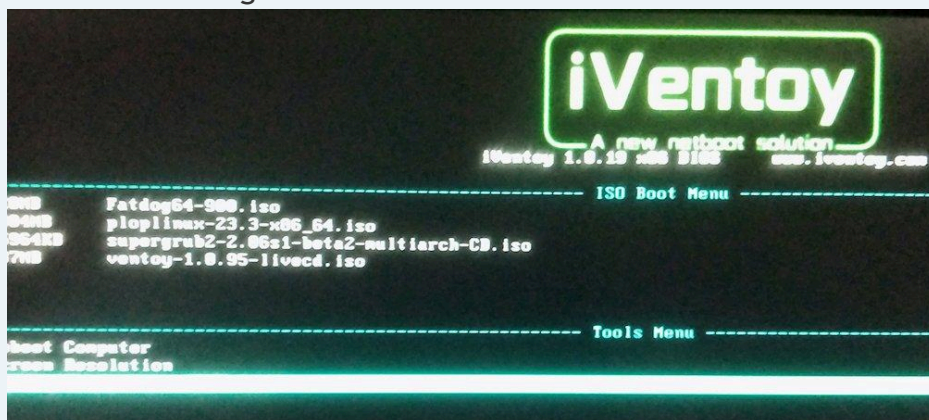
7. Open a browser
8. Click the Green button in the browser window



This PC, now, can serve ISOs to other LAN PCs, upon request

### Boot a LAN PC

1. Power on another PC on your wired LAN
2. In its POST, interrupt it to the PC's boot manager
3. Select the LAN device to boot the PC
4. Select the Fatdog64 ISO file

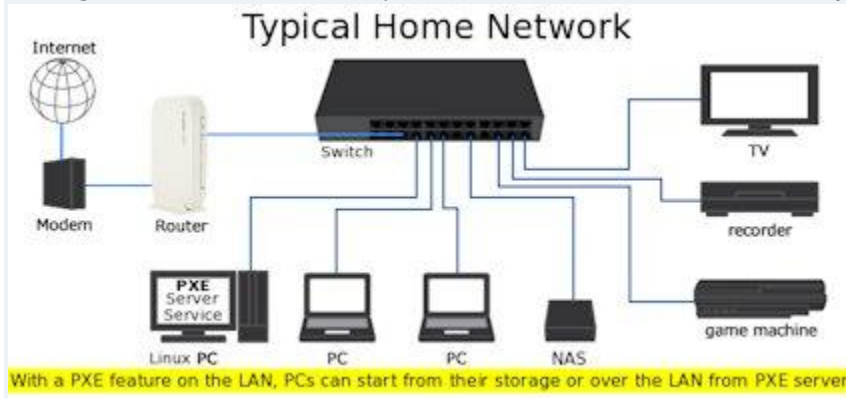


Start work almost as fast as you can reach to sip your coffee

### Conclusion

This was **too easy** to setup and test. All FATDOG functionality is intact. Only storage needed was for

saving the session. No fussy installation, no downside, no problems.



The following ISOs were tested by booting the test PCs

- FATDOG's v900
- FATDOG's v814
- SG2D's ISO
- Ventoy's ISO
- Ubuntu's ISO
- PLOP's latest ISO

They, each, booted rapidly to desktop. None compared to FD v900's 20sec boot times on a 6th Gen Intel i5 desktop PC.