Summary Description: Converting my Android TV box into a Linux distro Armbian, then using it for a OpenMediaVault NAS Server

Tags: electronics; software; NAS network attached storage server; Android TV box; Linux distro Armbian; OpenMediaVault

Why I did this: In a previous experience I had converted my useless Android TV box (used to make TVs into pseudo-Smart TVs) into a Linux distro Armbian. The RK3318 Armbian distro could also download an ‘armbian-config’ library package that allows quick integration of third part software (from a predefined list), so I wanted to see what I could install to make use of the box.

(pic of solar system)

I have used Home Assistant before, but I heard OpenHAB is a light alternative to it and it was on the ‘armbian-config’ list, so I tried to install that. Unfortunately, it wouldn’t respond to any commands after installing (I could access OpenHAB CLI commands, but they always resulted in errors), so I next tried to install OpenMediaVault. The OpenMediaVault package was working, so I used Hauke’s OpenMediaVault tutorial to setup a local NAS system where I could share files between my devices.

Lessons Learned:

OpenMediaVault installed and worked well; I could share pictures, videos, songs across my devices; But like previous experiences, I found that my need for a media server was unnecessary (I have so many other things that do that already); so much like my old Vista PC, I’m finding that my potential uses for this Android TV box is dwindling; But again, as previously mentioned on previous experiences, I’m glad I was able to tinker with the devices just to gain electronics and servers experience.

References:

HyperHDR’s Android TV box conversion tutorial: <https://www.hyperhdr.eu/2022/01/tv-box-mania-i-part-x88-pro-10.html>

Hauke’s OpenMediaVault tutorial: <https://www.youtube.com/watch?v=Y3yF1Rsu7ow>