

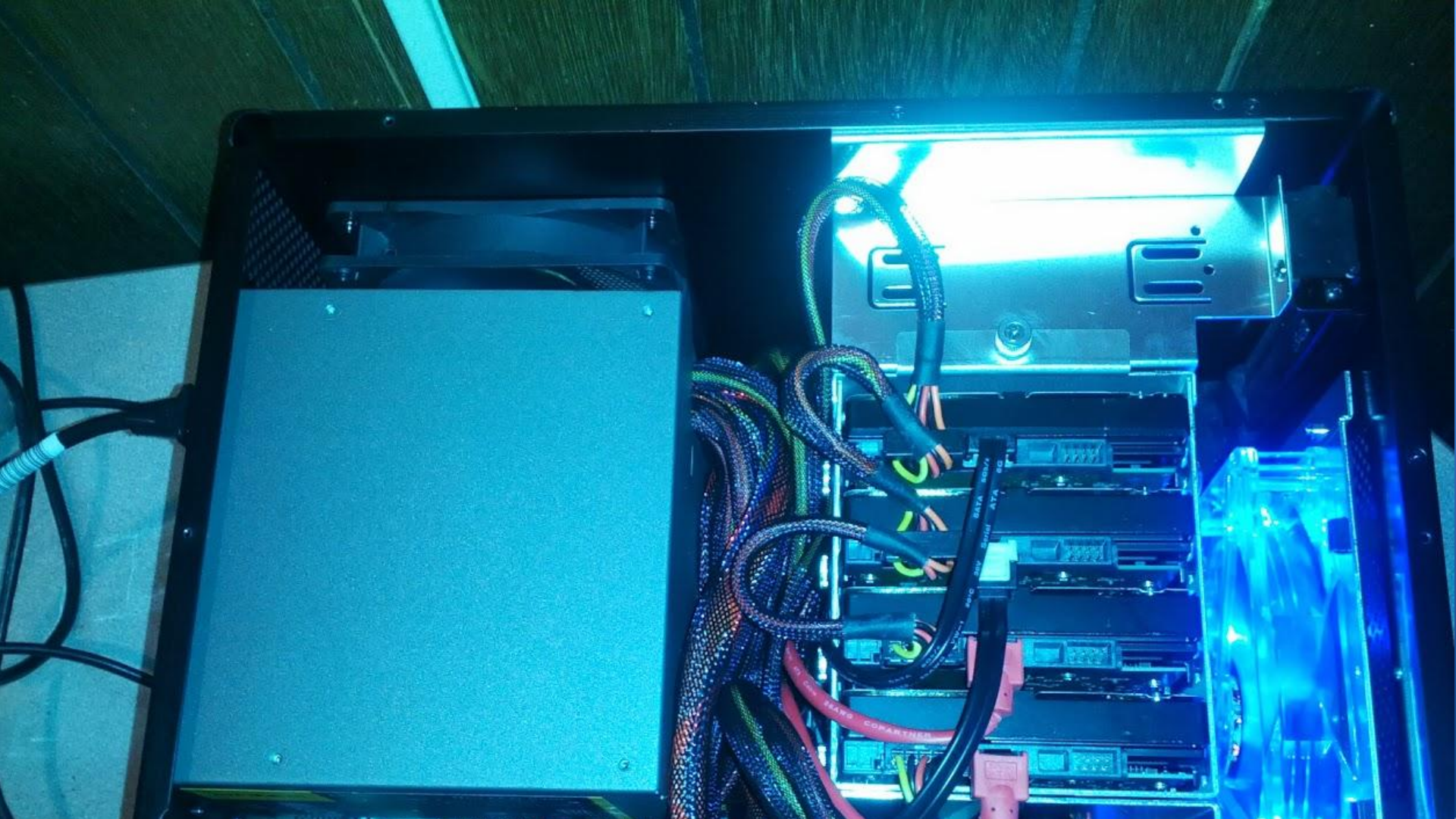
OpenMediaVault

The open network attached storage solution



The Hardware (early 2013 prices)

LIAN LI PC-Q08B Mini-ITX Tower	\$80
Antec NEO ECO 620W	\$30
Asus C60M1-I Mini ITX mobo - 1GHz Dual Core	\$80
16 Gig PC3 1066 DDR3 RAM (2x8)	\$106
4xWD 2TB NAS HDD (\$117/drive with \$50 rebate)	\$420
4Gig USB Drive (to boot from)	\$5
No CD/DVD drive (not needed)	
SanDisk SSD 256GB (just purchased)	\$50
Total Cost (w/ 4x2TB drives)	\$771
Cost w/o HDD	\$351



Comparison to FreeNas

Recently switched from FreeNAS, here are a few of the comparisons:

FreeNAS:

FreeBSD Based OS

RO Filesystem (runs on USB)

ZFS - built-in

BTRFS - No plan to support

Webgui

Small Plugin Store (most core plugins)

Only ZFS RW Support (RO on others)

SSH/FTP/NFS/SMB/RSYNC/TFTP/

WebDav/AFP, etc

OMV:

Debian Based OS

RW Filesystem (Runs on HDD)

ZFS - Unstable support w/ Plugin

BTRFS - Support Planned

Webgui (very similar to FreeNAS GUI)

Large Plugin Store (omv-extras.org)

EXT3/4/XFS/JFS default FS support

SSH/FTP/NFS/SMB/RSYNC/TFTP/

WebDav(plugin), AFP (plugin)

Raid Options

OMV

MDADM SW Raid

JBOD/Linear/R0/R1/R5/R6/R10

FS: EXT3/4/XFS/JFS

Via Plugin: ZFS/LVM/BTRFS

Via Shell(Manual - not recommended):

NTFS, FAT32

FreeNAS

ZFS SW Raid

R0/R1/R10/R5/R6/

RaidZ3 (third parity point)

Nested Raid Levels

FS: ZFS RW

Share Options

NFS - NFS, great for linux guests, especially my openVZ containers that don't support SMB

FTP - Has an option for SSL connections, I don't use it

Rsync - Will most likely be using this for backups

SMB/CIFS - Use this with all my Windows clients

SSH (SCP) - This enables the SSH shell access, so very useful

TFTP - I don't use this, have a TFTP server on my main server