



OpenAlt 2017
konference

Workshop – FreeNAS@home
Jirka Foltá

Disclaimer



I am **not** a FreeNAS expert!

My **goals** for today:

- **Share** my FreeNAS story
- Give you **Hands-on** FreeNAS experience
- **Inspire** 1 person to build their home NAS

Agenda



- Why NAS?
- How NAS?
- 1y W/ NAS
- NAS 2.0
- NAS Time

Why NAS?



- Multimedia
 - RAW Photos
 - 1080p movie collection
 - Audio library
 - Multiple users
 - Torrents
 - Data Backup
-

Why?

- Functionality / flexibility
- \$\$\$
- Learn something new and have fun :)

The word "DIY" is rendered in a stylized, 3D font. The letters are white with black outlines and shadows, giving them a blocky, cut-out appearance. The 'D' is on the left, 'I' is in the middle, and 'Y' is on the right. They are set against a white background.

DIY

How? – HW



CoolerMaster mini ITX Elite 110	998
GIGABYTE N3150N-D3V, int. CPU Celeron N3150 1.6GHz	2.410
DIMM Kingston HyperX Fury DDR3L 8GB (Kit 2x4GB)	1.829
Be quiet! Pure Power L8 300W 80PLUS Bronze	1.167
3x HD SEAGATE NAS HDD 2TB 3,5	7.491
HW without storage	6.404
<hr/>	
Total	13.895

How? – SW

- Before installation
- FreeNAS installation



FreeNAS™

How? – LAN



- Router / AP
- RPI, Kodi
- TV
- NAS
- PS3
- PC
- Laptops
- Mobile devices

1y W/ NAS



- Learning curve
- Online resources
- Stable, easy to use
- Performance
- Jails vs. Docker

NAS 2.0



FreeNAS™

- 6TB is not enough!
- Got my hands on some HW :)
- Future
 - 10Gb?
 - SSD cache
 - Build a router (pfsense)?

NAS Time



SSID: FreeNas Workshop
- OpenAlt

PWD: open2017

<http://192.168.1.100>

NAS User: root

PWD: open2017

Thank you!



<https://github.com/pholta>
<https://twitter.com/JiriFolta>
<https://www.linkedin.com/in/jirifolta/>

pholta@gmail.com