



**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

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# Agenda



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

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# Why NAS?



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

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

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# 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™

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# 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

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# Thank you!



<https://github.com/pholta>

<https://twitter.com/JiriFolta>

<https://www.linkedin.com/in/jirifolta/>

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[pholta@gmail.com](mailto:pholta@gmail.com)