CHR in NAS VM

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About:



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Agenda

- CHR in General
- CHR setup in NAS
- Different methods to add CHR in NAS
- Connections
- Usage
- Q & A

CHR in a nutshell

Cloud Hosted Router (CHR) - RouterOS version intended for running as a virtual machine. It supports the x86 64-bit architecture and can be used on most of the popular hypervisors such as VMWare, Hyper-V, VirtualBox, KVM and others. CHR has full RouterOS features enabled by default but has a different licensing model than other RouterOS versions.

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Licencing model for CHR:



Free – Speed limited to 1Mbit

P1 – Limited to 1Gbit upload per interface All the rest of the features provided by CHR are available without restrictions.

P10 – Limited to 10Gbit upload per interface

P-Unlimited – Unlimited

Disk Images

RAW disk image (.img file) (import method)

VMWare disk image (.vmdk file)

Hyper-V disk image (.vhdx file)

VirtualBox disk image (.vdi file)

Installation of CHR in NAS



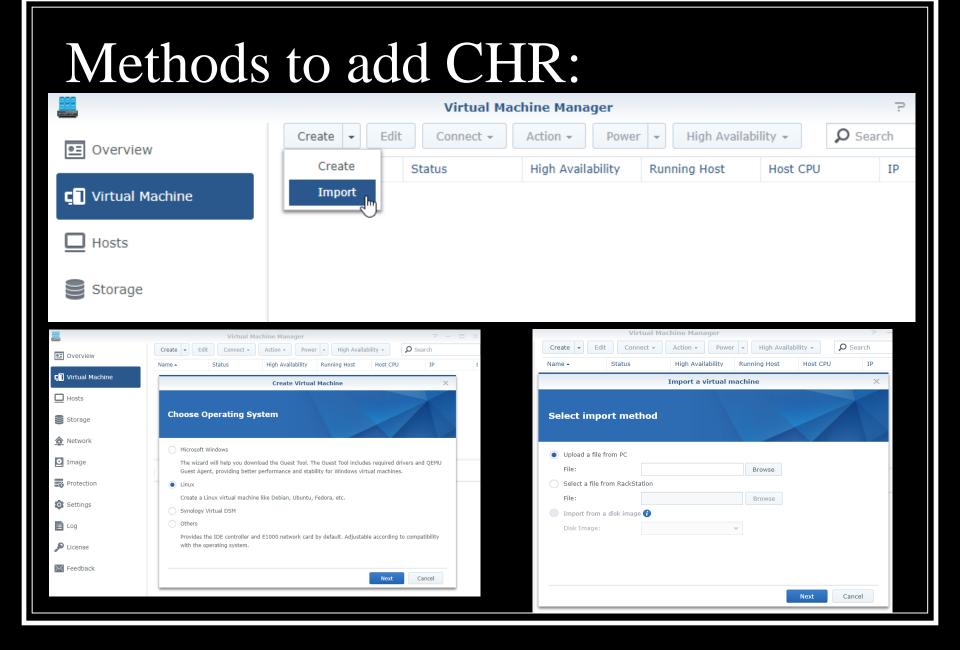


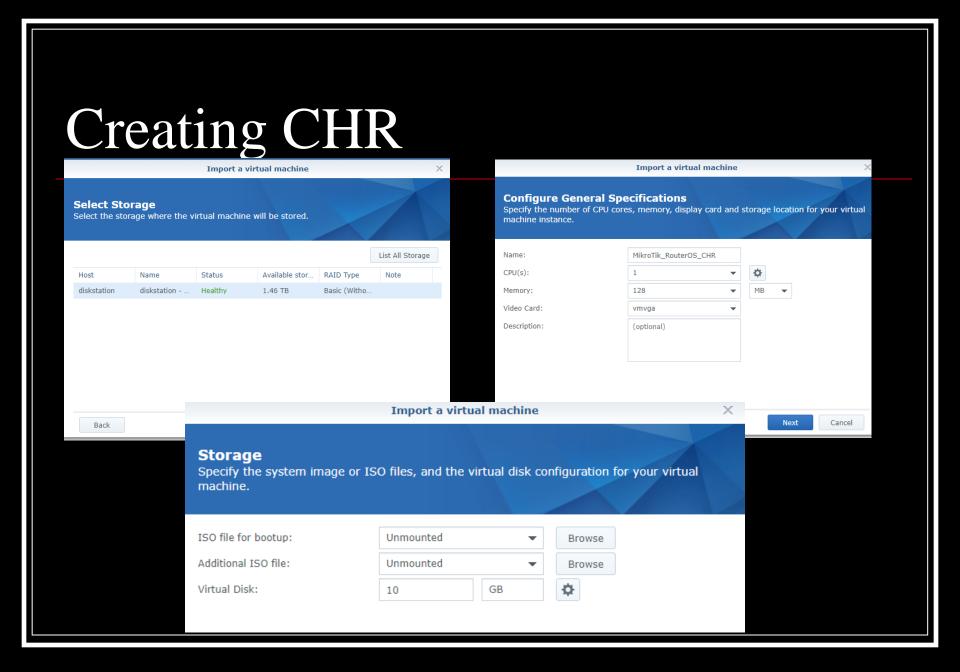


Live Demonstration

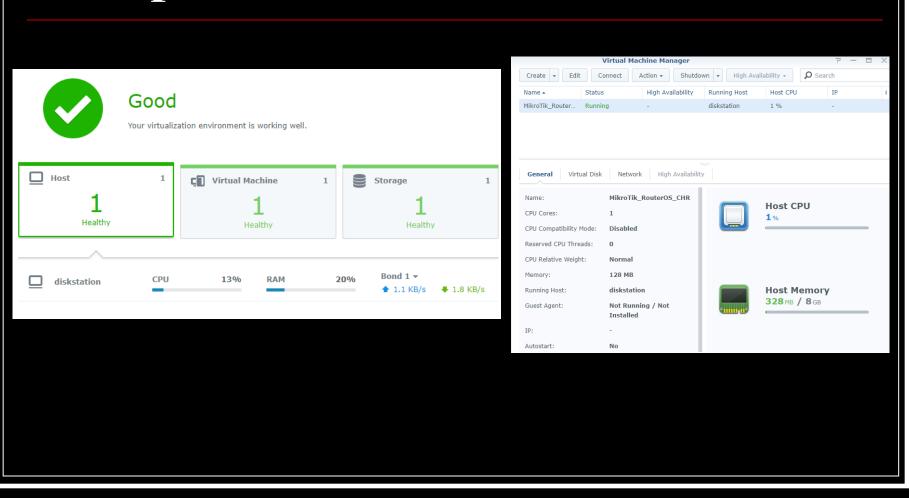
DS1618+

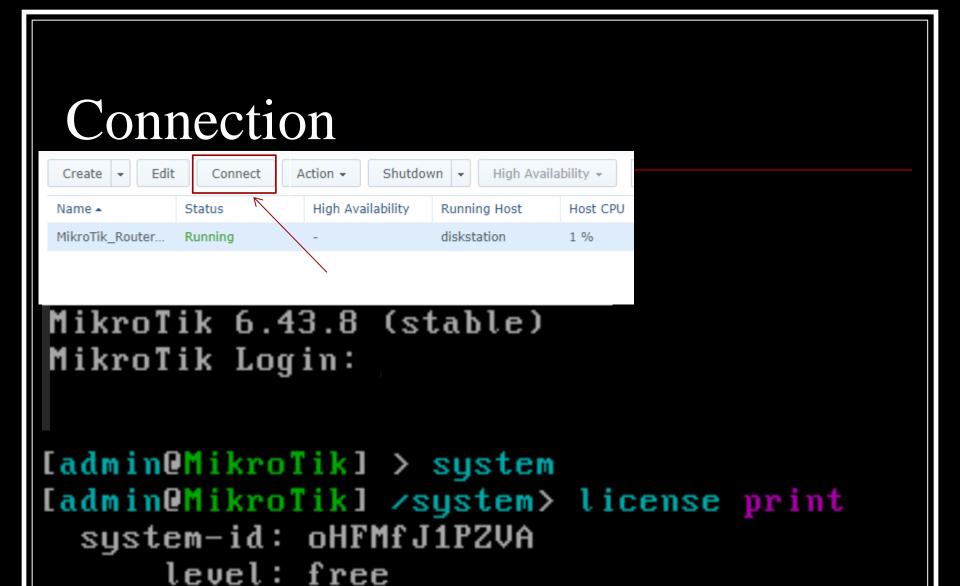
6 bays





Completion





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[admin@MikroTik] /system>>

```
[admin@MikroTik] > system
[admin@MikroTik] /system> resourc print
                   uptime: 5m50s
                  version: 6.43.8 (stable)
               build-time: Dec/21/2018 07:10:42
              free-memory: 77.8MiB
             total-memory: 96.0MiB
                      cpu: Intel(R)
                cpu-count: 1
            cpu-frequency: 2394MHz
                 cpu-load: 0%
           free-hdd-space: 9.9GiB
          total-hdd-space: 9.9GiB
 write-sect-since-reboot: 126264
        write-sect-total: 126265
        architecture-name: x86 64
               board-name: CHR
                 platform: MikroTik
```

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Usage

- Router with NAS storage and application functions
 - NAS functions:
 - Mail/video/storage/HA
- NAS with multiple routers setup via VM
- For conducting MikroTik Training lessons

Q & A

Thank you