Installation des Servers

Hier werden verschiedene Installationswege für verschiedene Plattformen dargestellt

- Linux installtion / Deinstallation
- Backup / Restore config

Linux installtion / Deinstallation

Virtual Here bietet ein Installationsscript an

https://github.com/virtualhere/script

Installation

Vorraussetzungen:

Ein LinuxSystem mit systemd
bei Raspberry die 32 Bit variante von Rasbian OS Lite wählen.
Nicht vergessen in der boot Partition die leere Datei mit dem namen ssh anzulegen

Standard also nicht CPU Optimiert Demo Version. Für CPU optimiert braucht man eine Lizenz

```
curl https://raw.githubusercontent.com/virtualhere/script/main/install_server | sudo sh
```

CPU Optimiert, beispiel für pi4. es muss am ende nur die Architektur übegeben werden

Liste der Architektur

Die Architekturen
ARM 32-bit • VirtualHere USB Server Optimized for Pi (arm1176jzf-s hardware floating point) < -- Raspberry pi 0/Model B

- VirtualHere USB Server Optimized for Pi2 (Cortex-A7 hardware floating with NEON SIMD instruction support)
- VirtualHere USB Server Optimized for Pi3 and Pi3B+ (Cortex-A53 hardware floating with NEON SIMD ARM8 instruction support)
- VirtualHere USB Server Optimized for Pi4 (Cortex-A72 hardware floating with NEON SIMD ARM8 instruction support, Raspbian 32-bit)
- VirtualHere USB Server Optimized for BeagleBone & AllWinner A1x (Cortex-A8 hardware floating point (NEON + vfpv3))
- VirtualHere USB Server Optimized for odroid-C1/C1+ (Cortex-A5 hardware floating point (NEON + vfpv4))
- VirtualHere USB Server Optimized for Netgear R7000 (Cortex-A9 without hardware floating point)
- VirtualHere USB Server Optimized for Odroid XU3/XU4 (Samsung Exynos5422 big.LITTLE Cortex-A15/A7 Octacore hardware fp)
- VirtualHere USB Server Optimized for Odroid U2/U3 Synology RT1900AC (Cortex-A9 with hardware floating point (neon-vfpv3))
- VirtualHere USB Server Optimized for RK3288 (Cortex-A17 with hardware floating point (neon-vfpv4))
- VirtualHere USB Server Optimized for NetGear R7800 (Cortex-A15 with neon-vfpv4)

ARM 64-bit

- VirtualHere USB Server Optimized for Cortex A53 (aarch64 (armv8a with crc,fpv4,asimd))
- VirtualHere USB Server Optimized for Cortex A57 (aarch64 (armv8a with crc,fpv4,asimd)) (E.g Jetson Nano)
- VirtualHere USB Server Optimized for Cortex A72 (aarch64 (armv8a with crc,fpv4,asimd)) (E.g Pi4 64-bit raspbian)
- VirtualHere USB Server Optimized for Cortex A72/A53 (E.g Rockchip RK3399)

MIPS Big Endian

- VirtualHere USB Server Optimized for MIPS (24Kc Big-Endian software floating point)
- VirtualHere USB Server Optimized for MIPS (74Kc Big-Endian software floating point)
- VirtualHere USB Server Optimized for MIPS (74Kf Big-Endian hardware floating point)

MIPS Little Endian

- VirtualHere USB Server Optimized for MIPS (24KEc Little-Endian software floating point)
- VirtualHere USB Server Optimized for MIPS (74Kc Little-Endian software floating point)
- VirtualHere USB Server Optimized for MIPS (1004Kc Little-Endian)

x86_64

- VirtualHere USB Server Optimized for Intel Core2 (x86_64 Intel Core2 processors)
- VirtualHere USB Server Optimized for Intel Westmere (x86_64 Intel Westmere processors)
- VirtualHere USB Server Optimized for Intel Sandy-Bridge (x86_64 Intel Sandy-Bridge processors)
- VirtualHere USB Server Optimized for Intel Ivy-Bridge (x86_64 Intel Ivy-Bridge processors)
- VirtualHere USB Server Optimized for Intel Haswell (x86_64 Intel Haswell processors)
- VirtualHere USB Server Optimized for Intel Broadwell (x86_64 Intel Broadwell processors)
- VirtualHere USB Server Optimized for Intel Silvermont (x86_64 Intel Silvermont processors)
- VirtualHere USB Server Optimized for Intel Skylake (x86_64 Intel Skylake processors)
- VirtualHere USB Server Optimized for Intel Goldmont Plus (x86_64 Intel Goldmont Plus processors)

Für uns aber überwiegend Pi 3 und PI4

PI3

```
curl https://raw.githubusercontent.com/virtualhere/script/main/install_server | sudo sh -s - vhusbdarmpi3
```

PI4

```
curl https://raw.githubusercontent.com/virtualhere/script/main/install_server | sudo sh -s - vhusbdarmpi4
```

Deinstallation

Ein Befehl, ferig

```
curl https://raw.githubusercontent.com/virtualhere/script/main/uninstall_server | sudo sh
```

Backup / Restore config

Die config Datei für VirtualHere liegt unter /usr/sbin wenn sie ohne installer gestartet wurde
Mit installer liegt die conf unter

/usr/local/etc/virtualhere/config.ini

Die einfach vom alten system sichern
Neuinstallieren, config zurück kopieren
Gerät neustarten
Fertig