

# home.bksp

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# Network

## Configuration

Vlan	Network	Comment	Conf
2	10.21.0.0/24	Admin / Lan	DHCP
-	10.21.1.0/24	VPN	Auto (openvpn)
10	10.21.10.0/24	Servers	Static
20	10.21.20.0/24	Work	DHCP

- Router

Port	VLAN
1	2, 10, 20 (tagged)
2	2 (untagged)
3	2 (untagged)
4	20 (untagged)

- Switch

Port	VLAN
1	3 (untagged)
2	2, 10, 20 (tagged)
3	2 (untagged)
4-7	10 (untagged)
8	20 (untagged)

## Branchements

- Router

Port	Équipement
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1	Switch
2	Laptop perso
3	
4	Laptop pro

- Switch

Port	Équipement
2	Router
3	-
4	Rasp (Mio)
5	Rasp (Ritsu)
6	NAS (Senjougahara)
8	Gateway Lora

# Adresses

Équipement	Adresse	Net
Router (gw1.home)	10.21.0.1	Admin
Switch (sw1.home)	10.21.0.2	Admin
Rasp (mio.home)	10.21.10.101	Server
Rasp (ritsu.home)	10.21.10.102	Server
NAS (senjougahara.home)	10.21.10.32	Server
Gateway Lora	10.21.20.10	Work
smallbell.vpn	10.21.1.2	VPN

# Installation Rasp

## Installation Centos8 Stream

1. Graver l'image de disque ([Lien de l'image](#))

```
dd if=CentOS-Userland-8-stream-aarch64-RaspberryPI-Minimal-4-sda.raw of=/dev/mmcblk0 bs=64k  
status=progress
```

2. Démarrer la rasp (par défaut en dhcp) sur le réseau admin et trouver l'ip en regardant sur <http://10.21.0.1/cgi-bin/luci/admin/status/overview>
3. SSH avec les identifiants root / centos
4. Redimensionner la partition root

```
dnf install cloud-utils-growpart e2fsprogs  
growpart /dev/mmcblk0 3  
resize2fs /dev/mmcblk0p3
```

5. Configurer le réseau

```
dnf install vim  
vim /etc/sysconfig/network-scripts/ifcfg-eth0
```

```
DEVICE=eth0  
BOOTPROTO=none  
ONBOOT=yes  
PREFIX=24  
IPADDR=10.21.10.101  
GATEWAY=10.21.10.1  
DNS1=10.21.10.53 # todo
```

6. Redémarrer la rasp sur le réseau des servers
7. Migrer à Centos Stream

```
rpm -i https://vault.centos.org/centos/8/extras/aarch64/os/Packages/centos-release-stream-8.1-  
1.1911.0.7.el8.aarch64.rpm  
dnf --allowerase --disablerepo '*' --enablerepo=extras swap centos-linux-repos centos-stream-repos  
dnf distro-sync
```

## 8. Redémarrer la rasp

Sources :

- [https://sigs.centos.org/automotive/building/centos\\_stream\\_pi4/](https://sigs.centos.org/automotive/building/centos_stream_pi4/)
- <http://reallyappreciate.com/raspberry-pi-4-8gb-model-with-centos-8/>