

Infrastruktur

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JuZ

JuZ

Hardware

Basis Switch Config for Brocade/ Ruckus Switch ICX 6450 und ICX 6XXX

```
enable
#Set hostname
hostname <name>
# set username and password
username root password yourpasswordthere
# enable authentication for webinterface
aaa authentication login default local
aaa authentication web default local
# disable http
#no web-management http
# enable https
crypto-ssl certificate generate
web-management https
# enable ssh key authentication disable password-authentication
ip ssh key-authentication yes
ip ssh password-authentication no
ip ssh interactive-authentication no
# switch off telnetserver
no telnet server
# import ssh pub keys
ip ssh pub-key-file tftp 192.168.1.8 public.key

# Create Interface and assing ip address
interface ve 1
ip address x.x.x.x/x
exit
# dns server addres
ip dns server-address x.x.x.x
# set default route
ip route 0.0.0.0/0 x.x.x.x

# Add Ve 1 to Vlan 1
```

```
vlan 1
router-interface ve 1
exit
# Cerate Vlan 72
vlan 72 name freifunk-client
# set interfaces to get Tagged
tagged ethernet 1/1/1 to 1/1/48
tagged ethernet 1/2/1 to 1/2/4
exit
# set interfaces dual mode for 802.1 Q vlan tags
interface ethernet 1/1/1 to 1/1/48
dual-mode
exit
interfac ethernet 1/2/1 to 1/2/4
dual-mode
exit
## alternativ
# interface ethernet 1/1/1 to 1/1/48 ethernte 1/2/1 to 1/2/4
# dual-mode
```

JuZ

Vlan

Vlan 1 - Primäres Lan

192.168.12.1/24

DHCP Range 192.168.12.100 - 192.168.12.199

Vlan 72 - Freifunk Client

Vlan 73 - Freifunk Mesh

vlan 666 - IPv6 Public Network

Netzwerk IPv6 Public Static Network Momentan nicht geroutet

2001:470:7335:6::1/64

JuZ

Dienste

Space

Space

Vlan

Vlan 1 - Lan

Primäres Lan Netzwerk

10.13.37.1/24

DHCP Range 10.13.17.100-199

DHCP Lease Time 24h

Vlan 10 - Freifunk Client

Freifunk Client Netz

Space

Spacebutton

IP (Tasmota Dashboard): 10.13.37.187

Homeassistant Entity: Spacebutton

Homeassistant Sensors:

- `Primary Button` -> Big Button
- `Secondary Button` -> Small Button

To reconfigure pins, change them in the Tasmota interface. It's important to set them to "Switch".

Tasmota by default tries to link relays to the switches, to decouple use `Setoption 114`

By default, the Off point on the big switch (and the down pointing of the little switch) are interpreted as on, and vice versa. To change that, use `SwitchMode1 2` and `SwitchMode2 2` respectively.

Netcup

Netcup

Node001 (Mailserver)

Server Typ: VPS 500 G10s

Specs:

- 4 vCores
- 4 GB RAM
- 80 GB SSD Storage

DNS:

- node001.binhacken.de
- mail.binhacken.de

Applications:

- Mailcow-dockerized