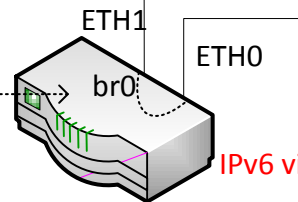


IPv6 und DHCPv4 vom Speedport Hybrid ins Netzwerk blocken via ebttables auf Layer2 Ebene



Speedport: 192.168.2.1 Speedport Hybrid

Internes LAN



IPv6 via SIXXS AICCU tunnel

Linux Bridge (Ubuntu)

DHCPv4

IPv6 SLAAC

apt-get install ebttables isc-dhcp-server bridge-utils radvd

```
#cat /etc/network/interfaces
auto lo br0
iface lo inet loopback

# The primary network interface
iface eth0 inet manual

iface eth1 inet manual

iface br0 inet static
address 192.168.2.2
netmask 255.255.255.0
gateway 192.168.2.1
dns-nameservers 192.168.2.1
bridge_ports eth0 eth1
bridge_fd 5
bridge_stp no
iface br0 inet6 static
address 2a02:xxxx:d62b:b00b::1
netmask 64
```

```
#cat /etc/radvd.conf
interface br0 {
  AdvSendAdvert on;
  MinRtrAdvInterval 3;
  MaxRtrAdvInterval 10;
  AdvDefaultPreference high;
  AdvManagedFlag on;
  AdvCurHopLimit 255;
  AdvDefaultLifetime 180;
  AdvHomeAgentFlag off;
  prefix 2a02:xxxx:d62b:b00b::/64 {
    AdvValidLifetime 604800;
    AdvPreferredLifetime 86400;
    AdvOnLink on;
    AdvAutonomous on;
    AdvRouterAddr on;
  }
};
```

```
#cat /etc/dhcp/dhcpd.conf
ddns-update-style none;
option ms-classless-static-routes code 249 = array of unsigned integer 8;
option rfc3442-classless-static-routes code 121 = array of unsigned integer 8;
authoritative;
log-facility local7;

subnet 192.168.2.0 netmask 255.255.255.0 {
  range 192.168.2.150 192.168.2.230;
  default-lease-time 600;
  max-lease-time 7200;
  option domain-name "WORKGROUP";
  option domain-name-servers 213.73.91.35, 192.168.2.1;
  option broadcast-address 192.168.2.255;
  option subnet-mask 255.255.255.0;
  #Gateway
  option routers 192.168.2.1;
}
```

Block DHCPv4 from Speedport

```
#ebtables -A INPUT --in-interface eth1 --protocol ipv4 --ip-protocol udp --ip-destination-port 67:68 -j DROP
#ebtables -A INPUT --in-interface eth1 --protocol ipv4 --ip-protocol udp --ip-source-port 67:68 -j DROP
#ebtables -A FORWARD --in-interface eth1 --protocol ipv4 --ip-protocol udp --ip-source-port 67:68 -j DROP
#ebtables -A FORWARD --in-interface eth1 --protocol ipv4 --ip-protocol udp --ip-destination-port 67:68 -j DROP
```

Block IPv6 from Speedport

```
#ebtables -A INPUT --in-interface eth1 --protocol ipv6 -j DROP
#ebtables -A FORWARD --in-interface eth1 --protocol ipv6 -j DROP
```

SAVE -> COMMIT