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

Speedport: 192.168.2.1 Speedport Hybrid

ETH1

ETH0

Internes LAN

br0

IPv6 via SIXXS AICCU tunnel

Linux Bridge (Ubuntu)

DHCPv4

IPv6 SLAAC

apt-get install ebtables 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/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;
}
```

#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;
  };
};
```

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