

# Issue of brlan0/eth1 in raspberry pi 4 64bit build

We use the branch [rdkb-2022q1-dunfell](#).

After startup, eth1 is not up and only wlan0 in the bridge.

ifconfig

```
br0    Link encap:Ethernet  HWaddr 5A:96:10:C3:97:84
       inet addr:192.168.101.3  Bcast:192.168.101.255  Mask:255.255.255.0
       inet6 addr: fe80::5896:10ff:fec3:9784/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:0 errors:0 dropped:0 overruns:0 frame:0
       TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:0 (0.0 B)  TX bytes:1404 (1.3 KiB)
```

```
br106  Link encap:Ethernet  HWaddr 82:60:84:C9:39:2F
       inet addr:192.168.106.1  Bcast:192.168.106.255  Mask:255.255.255.0
       inet6 addr: fe80::8060:84ff:fec9:392f/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:0 errors:0 dropped:0 overruns:0 frame:0
       TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:0 (0.0 B)  TX bytes:1404 (1.3 KiB)
```

```
br403  Link encap:Ethernet  HWaddr 9A:C2:0E:69:66:AC
       inet addr:192.168.245.1  Bcast:192.168.245.255  Mask:255.255.255.0
       inet6 addr: fe80::98c2:eff:fe69:66ac/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:0 errors:0 dropped:0 overruns:0 frame:0
       TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:0 (0.0 B)  TX bytes:1404 (1.3 KiB)
```

```
brebhaul Link encap:Ethernet  HWaddr 56:DD:05:21:B8:B3
       inet addr:169.254.85.1  Bcast:169.254.85.255  Mask:255.255.255.0
       inet6 addr: fe80::54dd:5ff:fe21:b8b3/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:0 errors:0 dropped:0 overruns:0 frame:0
       TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:0 (0.0 B)  TX bytes:1404 (1.3 KiB)
```

```
brlan0  Link encap:Ethernet  HWaddr E4:5F:01:A7:3A:9A
       inet addr:10.0.0.1  Bcast:10.0.0.255  Mask:255.255.255.0
       inet6 addr: fe80::dc42:97ff:fe2a:9f62/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:0 errors:0 dropped:0 overruns:0 frame:0
       TX packets:114 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:0 (0.0 B)  TX bytes:12300 (12.0 KiB)
```

```
erouter0 Link encap:Ethernet  HWaddr E4:5F:01:A7:3A:99
       inet addr:192.168.18.10  Bcast:192.0.0.168  Mask:255.255.255.0
       inet6 addr: fe80::e65f:1ff:fea7:3a99/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:12528 errors:0 dropped:5567 overruns:0 frame:0
       TX packets:4667 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:5559041 (5.3 MiB)  TX bytes:394748 (385.4 KiB)
```

```
lo      Link encap:Local Loopback
       inet addr:127.0.0.1  Mask:255.0.0.0
       inet6 addr: ::1/128 Scope:Host
       UP LOOPBACK RUNNING  MTU:65536  Metric:1
       RX packets:298932 errors:0 dropped:0 overruns:0 frame:0
       TX packets:298932 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:15029408 (14.3 MiB)  TX bytes:15029408 (14.3 MiB)
```

```
wlan0   Link encap:Ethernet  HWaddr E4:5F:01:A7:3A:9A
       inet6 addr: fe80::e65f:1ff:fea7:3a9a/64 Scope:Link
       UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
       RX packets:0 errors:0 dropped:0 overruns:0 frame:0
       TX packets:168 errors:0 dropped:0 overruns:0 carrier:0
       collisions:0 txqueuelen:1000
       RX bytes:0 (0.0 B)  TX bytes:19856 (19.3 KiB)
```

```
root@RaspberryPi-Gateway:/usr/sbin# brctl show
bridge name    bridge id        STP enabled    interfaces
br0             8000.000000000000    no
br106          8000.000000000000    no
br403          8000.000000000000    no
brebhaul       8000.000000000000    no
brlan0         8000.e45f01a73a9a    no            wlan0
```

But we can add eth1 to bridge manually.

The question is which module should be response to start the eth1 and add eth1 to brlan0?

What is the normal scenario?