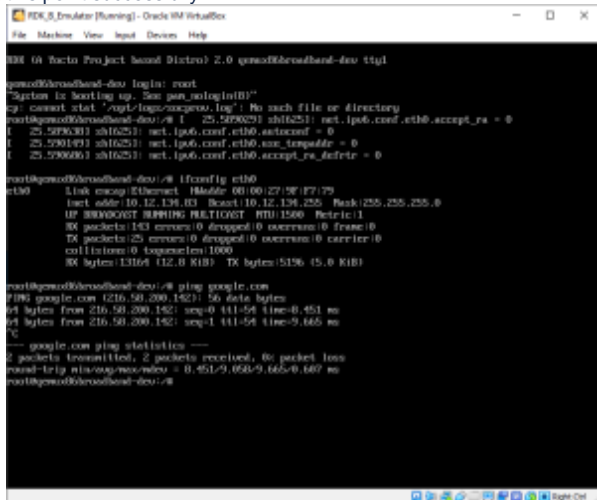


RDK-B Emulator looses IP Address after startup

i have followed the steps in page [RDK-B Emulator Users Guide](#) and was able to setup a RDK-B Emulator. compilation was done on a Ubuntu VM (on Windows host) (we have compiled rdkb2019q2) i installed oracle virtual box (version 6.0) on the windows host, and setup the RDK-B Emulator. one thing that, i am missing today is the Wireless Adapter.

i configured the 2 network adapters to 'Bridged mode' as indicated in the [RDK-B Emulator Users Guide](#). After booting the emulator, i am facing following issues:

1. the VM doesn't respond to keyboard inputs many times. we had to re-boot the emulator multiple times and only after this, the keyboard inputs are received.
is this a known issue? - it seems to be a problem of 'Capture' behavior of Virtual box.
2. the VM on start, does a DHCP and gets the IP address (ipv4). using ifconfig, i can see that emulator has got an ip. i am able to do: **\$ping google.com** at this point successfully.

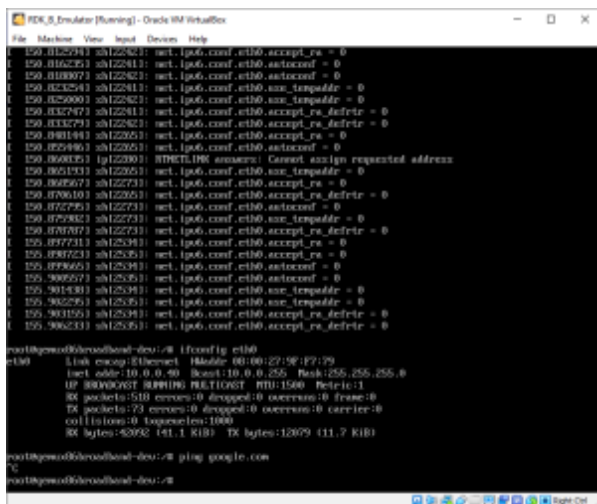


```
RDK-B Emulator [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

RDK-B Emulator (Running) 2.0 gnomed@broadband-deu:~$ ifconfig eth0
gnomed@broadband-deu:~$ ping google.com
PING google.com (216.58.209.152): 56 data bytes
64 bytes from 216.58.209.152: seq=0 ttl=54 time=0.451 ms
64 bytes from 216.58.209.152: seq=1 ttl=54 time=0.665 ms
^C
--- google.com ping statistics ---
2 packets transmitted, 2 packets received, 0 packet loss
round-trip min/avg/max/mdev = 0.451/0.665/0.665/0.665 ms
gnomed@broadband-deu:~$
```

but it seems like emulator continues in the background to acquire an ipv6 address as well. our networks are configured to not support ipv6 today. i see a print on the console:

RTnetlink answers: cannot assign requested address



```
RDK-B Emulator [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

150.0125741: net_ip6_conf_eth0: accept_ra = 0
150.0162251: net_ip6_conf_eth0: autoconf = 0
150.0180073: net_ip6_conf_eth0: autoconf = 0
150.0232541: net_ip6_conf_eth0: use_tempaddr = 0
150.0259001: net_ip6_conf_eth0: use_tempaddr = 0
150.0327473: net_ip6_conf_eth0: accept_ra_defrtr = 0
150.0332793: net_ip6_conf_eth0: accept_ra_defrtr = 0
150.0411443: net_ip6_conf_eth0: accept_ra = 0
150.0524463: net_ip6_conf_eth0: autoconf = 0
150.0600253: net_ip6_conf_eth0: RTNETLINK answers: Cannot assign requested address
150.0651333: net_ip6_conf_eth0: use_tempaddr = 0
150.0676673: net_ip6_conf_eth0: accept_ra = 0
150.0706103: net_ip6_conf_eth0: accept_ra_defrtr = 0
150.0727253: net_ip6_conf_eth0: autoconf = 0
150.0729823: net_ip6_conf_eth0: use_tempaddr = 0
150.0787873: net_ip6_conf_eth0: accept_ra_defrtr = 0
150.0877213: net_ip6_conf_eth0: accept_ra = 0
150.0987233: net_ip6_conf_eth0: accept_ra = 0
150.0996653: net_ip6_conf_eth0: autoconf = 0
150.1002573: net_ip6_conf_eth0: autoconf = 0
150.1015303: net_ip6_conf_eth0: use_tempaddr = 0
150.1022253: net_ip6_conf_eth0: use_tempaddr = 0
150.1031553: net_ip6_conf_eth0: accept_ra_defrtr = 0
150.1062213: net_ip6_conf_eth0: accept_ra_defrtr = 0

gnomed@broadband-deu:~$ ifconfig eth0
eth0: Link encap: Ethernet  (Hardware 00:00:27:9F:47:79)
      inet addr:10.0.0.40  Bcast:10.0.0.255  Mask:255.255.255.0
      UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
      RX packets:510  errors:0  dropped:0  overruns:0  frame:0
      TX packets:73  errors:0  dropped:0  overruns:0  carrier:0
      collisions:0  topology:0  1000
      RX bytes:42092 (41.1 KiB)  TX bytes:12079 (11.7 KiB)

gnomed@broadband-deu:~$ ping google.com
^C
gnomed@broadband-deu:~$
```

After this, the ipv4 address (previously obtained) is lost and emulator is not able to reach internet anymore. (**\$ping google.com** fails) is there a work-around for this? can we somehow disable ipv6 in the emulator?