

Commands to Monitor Link and Interface Status

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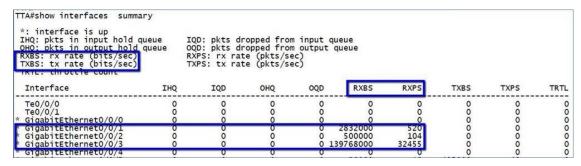
1. Verify that the links are up:

show ip int brief

Interface	IP-Address	OK?	Method	Status	Protocol
Te0/0/0	unassigned	YES	NVRAM	up	up
Te0/0/1	unassigned	YES	NVRAM	up	up
GigabitEthernet0/0/0	unassigned	YES	NVRAM	up	up
GigabitEthernet0/0/1	unassigned	YES	NVRAM	up	up
GigabitEthernet0/0/2	unassigned	YES	NVRAM	up	up
GigabitEthernet0/0/3	unassigned	YES	NVRAM	up	up
GigabitEthernet0/0/4	unassigned	YES	NVRAM	up	up
GigabitEthernet0/0/5	10.56.197.144	YES	NVRAM	up	up

2. Verify that traffic is arriving to the interfaces:

show interfaces summary



3. Verify the interface counters:

show interfaces <interface-name>

```
TTA#show interfaces gigabitEthernet 0/0/2
GigabitEthernet0/0/2 is up, line protocol is up
Hardware is BUILT-IN-2T+6X1GE, address is 0000.0000.0004 (bia 0000.0000.0004)
MTU 1500 bytes, BW 10000 Kbit/sec, DLY 1000 usec,
reliability 255/255, txload 1/255, rxload 116/255
Encapsulation ARPA, loopback not set
Keepalive not supported
Full Duplex, 10Mbps, link type is auto, media type is T
output flow-control is on, input flow-control is on
ARP type: ARPA, ARP Timeout 04:00:00
Last input never, output 00:00:12, output hang never
Last clearing of "show interface" counters never
Input queue: 0/375/0/0 (size/max/drops/flushes); Total output drops: 0
Queueing strategy: fifo
Output queue: 0/40 (size/max)

5 minute input rate 4565000 bits/sec, 949 packets/sec

5 minute input rate 0 bits/sec, 0 packets/sec
420245 packets input, 254656108 bytes, 0 no buffer
Received 0 broadcasts (0 Ir multicasts)
0 runts, 0 giants, 0 throttles
1 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
0 watchdog, 0 multicast, 0 pause input
0 packets output, 0 bytes, 0 underruns
Output 0 broadcasts (0 IP multicasts)
0 output errors, 0 collisions, 2 interface resets
0 unknown protocol drops
0 babbles, 0 late collision, 0 deferred
0 lost carrier, 0 no carrier, 0 pause output
0 output buffer failures, 0 output buffers swapped out
129 carrier transitions
```

4. Verify that traffic is classified by NBAR (CBAR):

sh ip nbar protocol-discovery stats packet-count

Last clearing of "show ip nbar protocol-discovery" counters 04:29:32					
	Input	Output			
Protocol	Packet Count	Packet Count			
dicom dhcp hl7	95158 15334	0 0			
h17 apple-ios-updates mdns	9186 8885 6231	0			
snmp Total	3192 137986	0			

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