

Interface Speed Mismatch

NYEDGE1#show int g0/0

GigabitEthernet0/0 is down, line protocol is down

Hardware is CN Gigabit Ethernet, address is 18e7.28dd.57e8 (bia 18e7.28dd.57e8)

Internet address is 192.168.16.1/24

MTU 1500 bytes, BW 1000000 Kbit/sec, DLY 10 usec,

reliability 255/255, txload 1/255, rxload 1/255

Encapsulation ARPA, loopback not set

Keepalive set (10 sec)

Full Duplex, **1Gbps**, media type is RJ45

output flow-control is unsupported, input flow-control is unsupported

ARP type: ARPA, ARP Timeout 04:00:00

Last input 00:01:03, output 00:01:01, output hang never

Last clearing of "show interface" counters never

Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 148634

Queueing strategy: fifo

Output queue: 0/40 (size/max)

5 minute input rate 0 bits/sec, 0 packets/sec

5 minute output rate 0 bits/sec, 0 packets/sec

61442 packets input, 85843742 bytes, 0 no buffer

Received 808 broadcasts (0 IP multicasts)

0 runs, 0 giants, 0 throttles

0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored

0 watchdog, 210 multicast, 0 pause input

592850 packets output, 858186408 bytes, 0 underruns

0 output errors, 153 collisions, 4 interface resets

126 unknown protocol drops

0 babbles, 0 late collision, 0 deferred

7 lost carrier, 0 no carrier, 0 pause output

0 output buffer failures, 0 output buffers swapped out

NYCORE1#show int fa1/0/1

FastEthernet1/0/1 is down, line protocol is down (notconnect)

Hardware is Fast Ethernet, address is f41f.c253.7003 (bia f41f.c253.7003)

MTU 1500 bytes, BW 10000 Kbit/sec, DLY 1000 usec,

reliability 255/255, txload 1/255, rxload 1/255

Encapsulation ARPA, loopback not set

Keepalive set (10 sec)

Full-duplex, **10Mb/s**, media type is 10/100BaseTX

input flow-control is off, output flow-control is unsupported

ARP type: ARPA, ARP Timeout 04:00:00

Last input 00:07:40, output 00:07:39, output hang never

Last clearing of "show interface" counters never

Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0

Queueing strategy: fifo

Output queue: 0/40 (size/max)

5 minute input rate 0 bits/sec, 0 packets/sec

5 minute output rate 0 bits/sec, 0 packets/sec

588576 packets input, 857309592 bytes, 0 no buffer

Received 103 broadcasts (89 multicasts)

0 runs, **4 giants**, 0 throttles

4288 input errors, 4284 CRC, 0 frame, 0 overrun, 0 ignored

0 watchdog, 89 multicast, 0 pause input

0 input packets with dribble condition detected

64021 packets output, 86260985 bytes, 0 underruns

0 output errors, 0 collisions, 1 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

Interface Duplex Mismatch

NYEDGE1(config-if)#do show int g0/0

GigabitEthernet0/0 is up, line protocol is up

Hardware is CN Gigabit Ethernet, address is 74a2.e63c.5a50 (bia 74a2.e63c.5a50)

Internet address is 192.168.16.1/24

MTU 1500 bytes, BW 10000 Kbit/sec, DLY 1000 usec,

reliability 255/255, txload 1/255, rxload 1/255

Encapsulation ARPA, loopback not set

Keepalive set (10 sec)

Half Duplex, 100Mbps, media type is RJ45

output flow-control is unsupported, input flow-control is unsupported

ARP type: ARPA, ARP Timeout 04:00:00

! <output omitted>

NYCORE1#show int fa1/0/1

FastEthernet1/0/1 is up, line protocol is up (connected)

Hardware is Fast Ethernet, address is 5017.ff65.4183 (bia 5017.ff65.4183)

MTU 1500 bytes, BW 100000 Kbit, DLY 100 usec,

reliability 255/255, txload 1/255, rxload 1/255

Encapsulation ARPA, loopback not set

Keepalive set (10 sec)

Full-Duplex, 100Mb/s, media type is 10/100BaseTX

input flow-control is off, output flow-control is unsupported

ARP type: ARPA, ARP Timeout 04:00:00

!<output omitted>

*Mar 1 00:51:15.422: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0/1, changed state to down

*Mar 1 00:51:16.421: %LINK-3-UPDOWN: Interface FastEthernet1/0/1, changed state to down

*Mar 1 00:51:23.299: %CDP-4-DUPLEX_MISMATCH: duplex mismatch discovered on FastEthernet1/0/1 (not half duplex), with NYEDGE1 GigabitEthernet0/0 (half duplex).

*Mar 1 00:51:23.937: %LINK-3-UPDOWN: Interface FastEthernet1/0/1, changed state to up

*Mar 1 00:51:24.608: %CDP-4-DUPLEX_MISMATCH: duplex mismatch discovered on FastEthernet1/0/1 (not half duplex), with NYEDGE1 GigabitEthernet0/0 (half duplex).

*Mar 1 00:51:24.944: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0/1, changed state to up

*Mar 1 00:51:25.606: %CDP-4-DUPLEX_MISMATCH: duplex mismatch discovered on FastEthernet1/0/1 (not half duplex), with NYEDGE1 GigabitEthernet0/0 (half duplex).

*Mar 1 00:51:26.613: %CDP-4-DUPLEX_MISMATCH: duplex mismatch discovered on FastEthernet1/0/1 (not half duplex), with NYEDGE1 GigabitEthernet0/0 (half duplex).

*Mar 1 00:52:16.693: %CDP-4-DUPLEX_MISMATCH: duplex mismatch discovered on FastEthernet1/0/1 (not half duplex), with NYEDGE1 GigabitEthernet0/0 (half duplex).

Collisions

NYEDGE1#show int g0/0

GigabitEthernet0/0 is up, line protocol is up

Hardware is CN Gigabit Ethernet, address is 18e7.28dd.57e8 (bia 18e7.28dd.57e8)

Internet address is 192.168.16.1/24

MTU 1500 bytes, BW 100000 Kbit/sec, DLY 100 usec,
reliability 255/255, txload 35/255, rxload 2/255

Encapsulation ARPA, loopback not set

Keepalive set (10 sec)

Half Duplex, 100Mbps, media type is RJ45

output flow-control is unsupported, input flow-control is unsupported

ARP type: ARPA, ARP Timeout 04:00:00

Last input 00:00:03, output 00:00:01, output hang never

Last clearing of "show interface" counters never

Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 148634

Queueing strategy: fifo

Output queue: 0/40 (size/max)

5 minute input rate 984000 bits/sec, 82 packets/sec

5 minute output rate 13930000 bits/sec, 1201 packets/sec

60970 packets input, 85774945 bytes, 0 no buffer

Received 538 broadcasts (0 IP multicasts)

0 runs, 0 giants, 0 throttles

0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored

0 watchdog, 143 multicast, 0 pause input

592528 packets output, 858154911 bytes, 0 underruns

0 output errors, **153 collisions**, 2 interface resets

82 unknown protocol drops

0 babbles, 0 late collision, 0 deferred

2 lost carrier, 0 no carrier, 0 pause output

0 output buffer failures, 0 output buffers swapped out

NYCORE1(config-if)#do show int fa1/0/1

FastEthernet1/0/1 is up, line protocol is up (connected)

Hardware is Fast Ethernet, address is f41f.c253.7003 (bia f41f.c253.7003)

MTU 1500 bytes, BW 100000 Kbit/sec, DLY 100 usec,
reliability 255/255, txload 1/255, rxload 1/255

Encapsulation ARPA, loopback not set

Keepalive set (10 sec)

Full-duplex, 100Mb/s, media type is 10/100BaseTX

input flow-control is off, output flow-control is unsupported

ARP type: ARPA, ARP Timeout 04:00:00

Last input 00:00:31, output 00:00:01, output hang never

Last clearing of "show interface" counters never

Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0

Queueing strategy: fifo

Output queue: 0/40 (size/max)

5 minute input rate 0 bits/sec, 0 packets/sec

5 minute output rate 0 bits/sec, 0 packets/sec

588519 packets input, 857302333 bytes, 0 no buffer

Received 86 broadcasts (80 multicasts)

0 runs, **4 giants**, 0 throttles

4288 input errors, 4284 CRC, 0 frame, 0 overrun, 0 ignored

0 watchdog, 80 multicast, 0 pause input

0 input packets with dribble condition detected

63866 packets output, 86246669 bytes, 0 underruns

0 output errors, 0 collisions, 1 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