CISCO Command – Show Interface

```
RouterA>show interface serial 0
Serial0 is down, line protocol is down ── Interface status line
    Hardware is HD64570
    Description: First serial in network 1
    Internet address is 131.108.156.98/28
    MTU 1500 bytes, BW 1544 Kbit, DLY 20000 usec, rely 255/255, load 1/255
    Encapsulation HDLC, loopback not set, keepalive set (10 sec)
    Last input never, output never, output hang never
    Last clearing of "show interface" counters never
    Input queue: 0/75/301 (size/max/drops); Total output drops: 5762
    Queueing strategy: weighted fair
    Output queue: 0/1000/64/345 (size/max total/threshold/drops)
        Conversations  0/0/256 (active/max active/max total)
        Reserved Conversations 0/0 (allocated/max allocated)
    5 minute input rate 0 bits/sec, 0 packets/sec
    5 minute output rate 0 bits/sec, 0 packets/sec
        0 packets input, 0 bytes, 0 no buffer
        Received 757 broadcasts, 0 runts, 0 giants, 0 throttles
        146124 input errors, 87243 CRC, 58857 frame, 0 overrun, 0 ignored, 3 abort
        5298824 packets output, 765689898 bytes, 0 underruns
        0 output errors, 0 collisions, 2941 interface resets
        0 output buffer failures, 0 output buffers swapped out
        2 carrier transitions
        DCD=up  DSR=up  DTR=down  RTS=down  CTS=up
RouterA>
```

Labels: Input drops, Output drops, CRC errors, Input errors, Abort errors, Carrier transitions, Framing errors, Interface resets
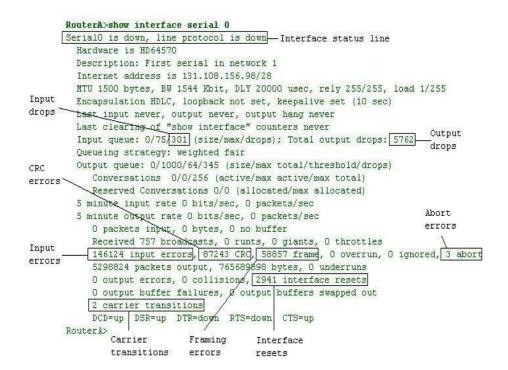
- *Serial x is down, line protocol is down*
  o Channel or Cable side probelm. The remote end may be administratively shut down
- *Serial x is up, line protocol is down*
  o clocking or framing problem and the encapsulation type on both ends mismatch.
- *Serial x is up, line protocol is up (looped)*
- This state indicates that a loop exists in the circuit.
- *Serial x is up, line protocol is down (disabled)*
  o This state often indicates a hardware problem and may be associated with a service providers such as BSNL/Railtel.
- *Serial x is administratively down, line protocol is down*
  o This state indicates that the shutdown command has been administered on the interface. To bring the interface up, use the **no shutdown** command under interface configuration mode.