# Cisco – Verifying Active DLCI with SNMP

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**Q: When doing a show frame map, data−link connection identifiers(DLCIs) are "defined and active". This can occur when the DLCIs are not working. What does defined and active mean?**

**A:** This tells you that the DLCI is capable of carrying data and the router at the far end is alive.

**Q: I can issue an Simple Network Management Protocol (SNMP) ping directly to the router asking it to ping all DLCI partners, and it is successful. What does this indicate?**

**A:** This confirms that the protocol is configured and the protocol−to−DLCI mapping is correct at both ends.

**Q: Are there SNMP variables that will provide an accurate status on the DLCIs?**

**A:**Yes, RFC1315, and the Frame Relay DTR MIB.

The SNMP variable for a circuit's status is **frCircuitState**. Its ASN.1 OID form is **1.3.6.1.2.1.10.32.2.1.3**. It resides in the **frCircuitTable**; so to get the value (the actual status in this case), the index and the DLCI would be the first and second instance respectively. Through SNMP Get or Getnext Request, you should get the system internal circuit status. Valid values for it include:

```
1       − invalid
2       − active
3       − inactive
```

For Cisco, you would see either two or three.



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