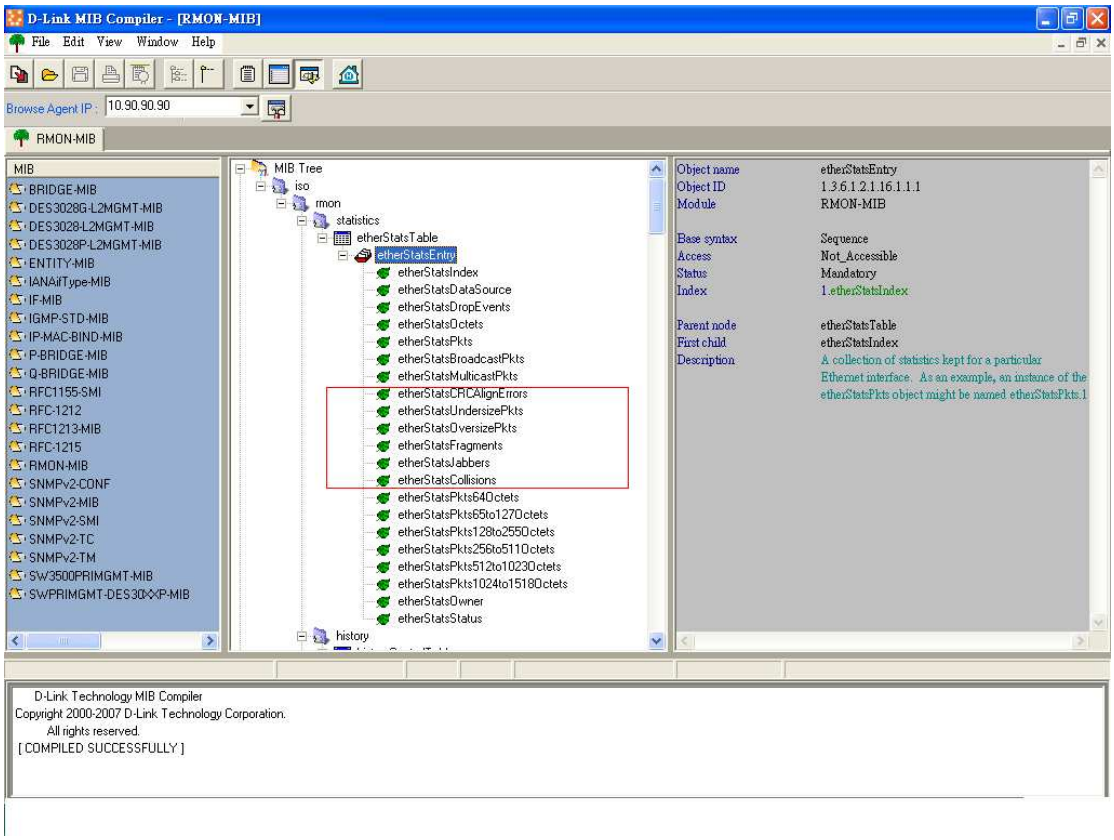


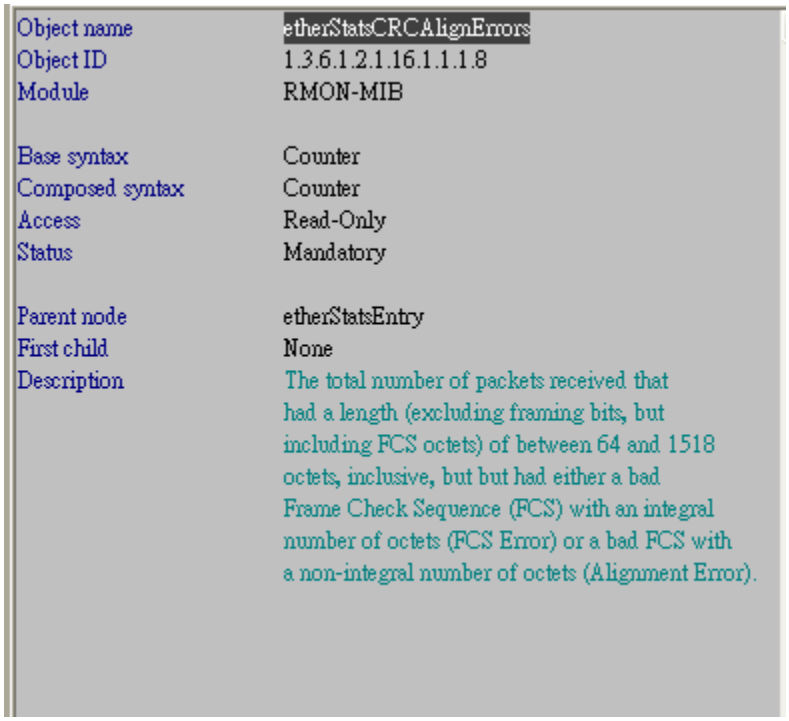
RMON.MIB (rfc1757.mib)

Object ID 1.3.6.1.2.1.16.1.1.1

Enable RMON in Switch

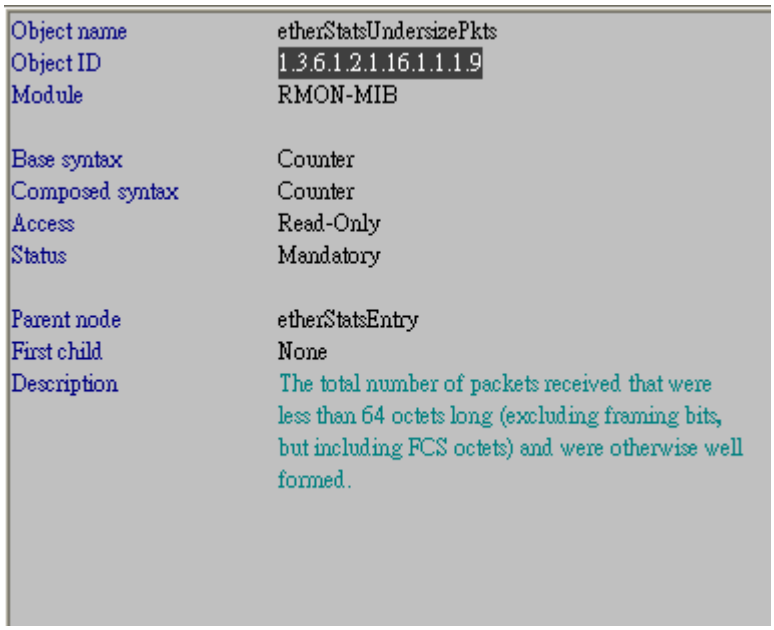
Show etherStatsCRCAlignErrors:

C:\>**snmpwalk -v2c -c public** 10.90.90.90 **1.3.6.1.2.1.16.1.1.1.8**



Show etherStatsUndersizePkts:

C:\>**snmpwalk -v2c -c public** 10.90.90.90 **1.3.6.1.2.1.16.1.1.1.9**



Show etherStatsOversizePkts:

C:\>**snmpwalk -v2c -c public** 10.90.90.90 **1.3.6.1.2.1.16.1.1.1.10**

Object name	etherStatsOversizePkts
Object ID	1.3.6.1.2.1.16.1.1.1.10
Module	RMON-MIB
Base syntax	Counter
Composed syntax	Counter
Access	Read-Only
Status	Mandatory
Parent node	etherStatsEntry
First child	None
Description	The total number of packets received that were longer than 1518 octets (excluding framing bits, but including FCS octets) and were otherwise well formed.

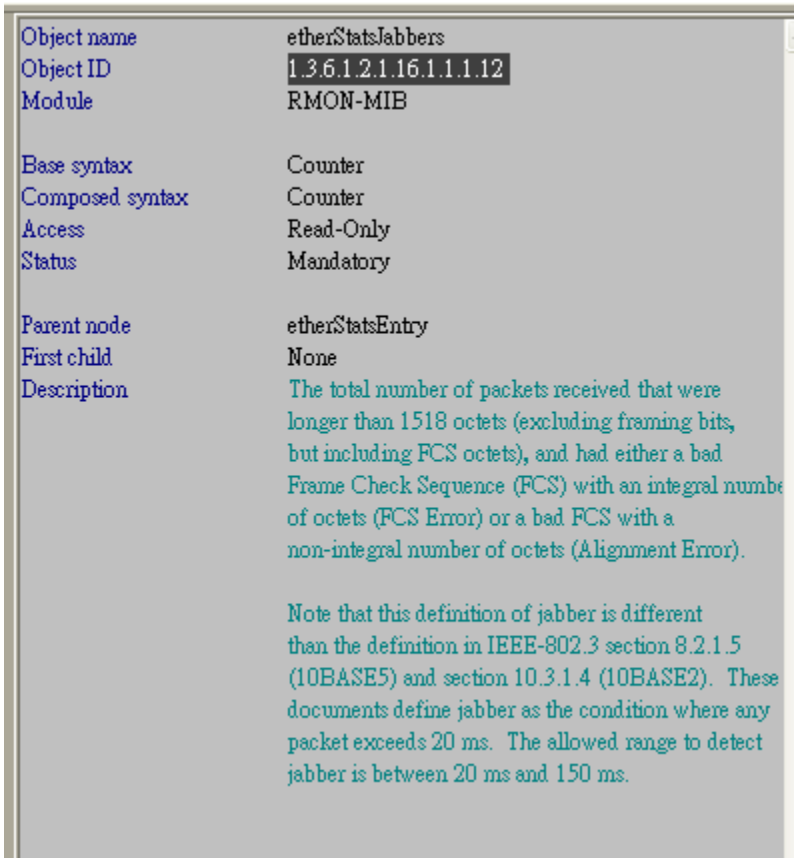
Show etherStatsFragments:

C:\>**snmpwalk -v2c -c public** 10.90.90.90 **1.3.6.1.2.1.16.1.1.1.11**

Object name	etherStatsFragments
Object ID	1.3.6.1.2.1.16.1.1.1.11
Module	RMON-MIB
Base syntax	Counter
Composed syntax	Counter
Access	Read-Only
Status	Mandatory
Parent node	etherStatsEntry
First child	None
Description	The total number of packets received that were less than 64 octets in length (excluding framing bits but including FCS octets) and had either a bad Frame Check Sequence (FCS) with an integral number of octets (FCS Error) or a bad FCS with a non-integral number of octets (Alignment Error). Note that it is entirely normal for etherStatsFragments to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.

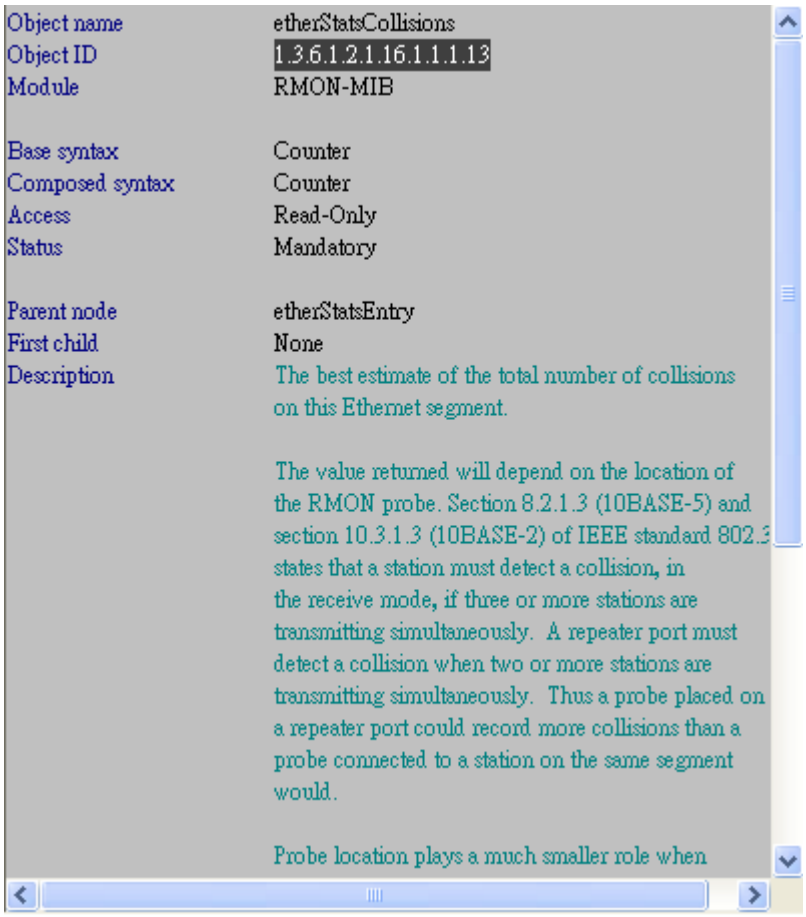
Show etherStatsJabbers:

C:\>**snmpwalk -v2c -c public** 10.90.90.90 **1.3.6.1.2.1.16.1.1.1.12**



Show etherStatsCollisions:

C:\>**snmpwalk -v2c -c public** 10.90.90.90 **1.3.6.1.2.1.16.1.1.1.13**


Object name
etherStatsCollisions
Object ID
1.3.6.1.2.1.16.1.1.1.13
Module
RMON-MIB
Base syntax
Counter
Composed syntax
Counter
Access
Read-Only
Status
Mandatory
Parent node
etherStatsEntry
First child
None
Description
The best estimate of the total number of collisions on this Ethernet segment.
The value returned will depend on the location of the RMON probe. Section 8.2.1.3 (10BASE-5) and section 10.3.1.3 (10BASE-2) of IEEE standard 802.3 states that a station must detect a collision, in the receive mode, if three or more stations are transmitting simultaneously. A repeater port must detect a collision when two or more stations are transmitting simultaneously. Thus a probe placed on a repeater port could record more collisions than a probe connected to a station on the same segment would.
Probe location plays a much smaller role when