READING A MIB

(uses SMIv1)



-- the Interfaces table

- -- The Interfaces table contains information on the entity's
- -- interfaces. Each interface is thought of as being
- -- attached to a 'subnetwork.' Note that this term should



INTEGER, ifOperStatus INTEGER, ifLastChange Each of the TimeTicks, column in the ifInOctets are represente Counter, (this is because ifInUcastPkts ifEntry is IfE Counter, difference the ifInNUcastPkts Counter, ifInDiscards Counter, ifInErrors Counter, ifInUnknownProtos Counter, ifOutOctets Counter, ifOutUcastPkts Counter, ifOutNUcastPkts Counter, ifOutDiscards Counter, ifOutErrors Counter, ifOutQLen Gauge, ifSpecific OBJECT IDENTIFIER ifIndex OBJECT-TYPE We can see its value but we cannot change it SYNTAX INTEGER ACCESS read-only STATUS mandatory

	ACCESS	RW - Read Write WO - Write Only NA - Not accessible, meaning you cannot query an agent for this object's value.
ese objects is a e table. The rows ed by <i>ifEntry</i> above se the SYNTAX of <i>Entry</i> - note the	STATUS	Mandatory - Must implement to comply with the standard (in this case the <i>mib 2</i> standard) Optional Obselete
	DESCRIPTION	Textual Description
etter)	::=	OID

PLEASE NOTE: In a normal MIB there would be definitions for all the objects. They are not shown here for the sake of brevity.

Denotes the end of a

MIB

by Steven Crutchley

END

DESCRIPTION

"A unique value for each interface. Its value ranges between 1 and the value of ifNumber. The value for each interface must remain constant at least from one reinitialization of the entity's network management system to the next reinitialization."

Textual description for

that interface

represented for the

particular row.

::= { ifEntry 1 }

ifDescr OBJECT-TYPE

SYNTAX DisplayString (SIZE (0..255)) ACCESS read-only

STATUS mandatory

DESCRIPTION

"A textual string containing information about the interface. This string should include the name of the manufacturer, the product name, and the version of the hardware interface."

::= { ifEntry 2 }

1.3.6.1.2.1.2.2.1.1 or iso.org.dod.internet.mgmt.mib-2.interfaces.ifTable.ifEntry.ifIndex

or iso.org.dod.internet.mgmt.mib-2.interfaces.ifTable.ifEntry.ifDescr

1.3.6.1.2.1.2.2.1.2

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