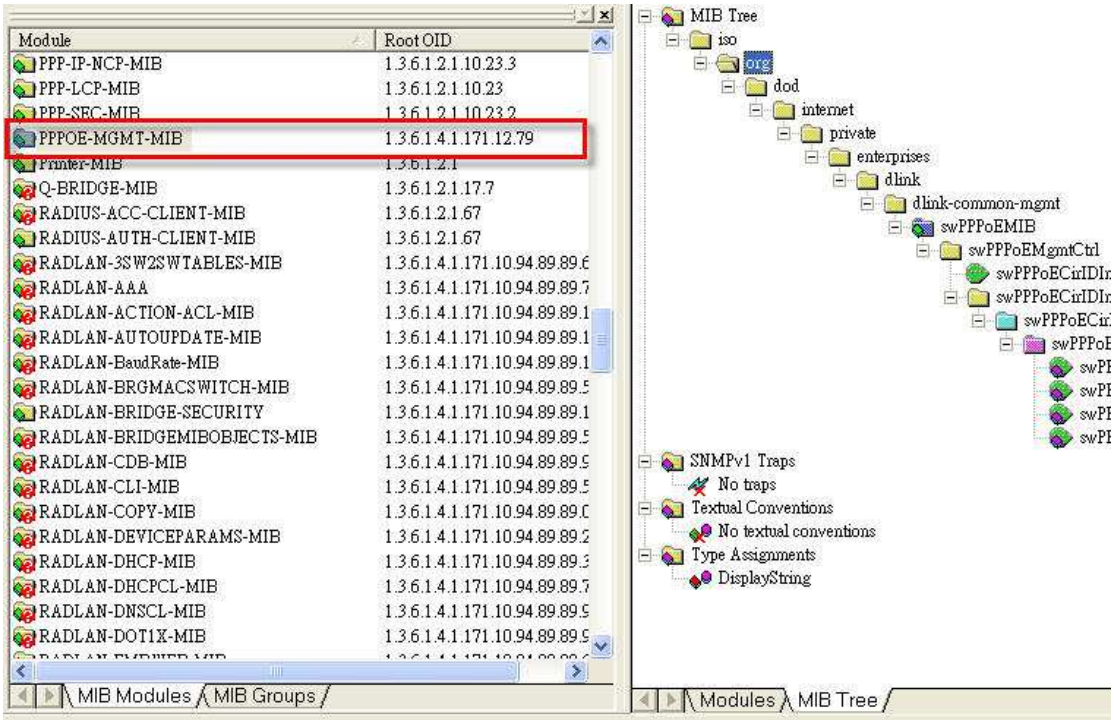
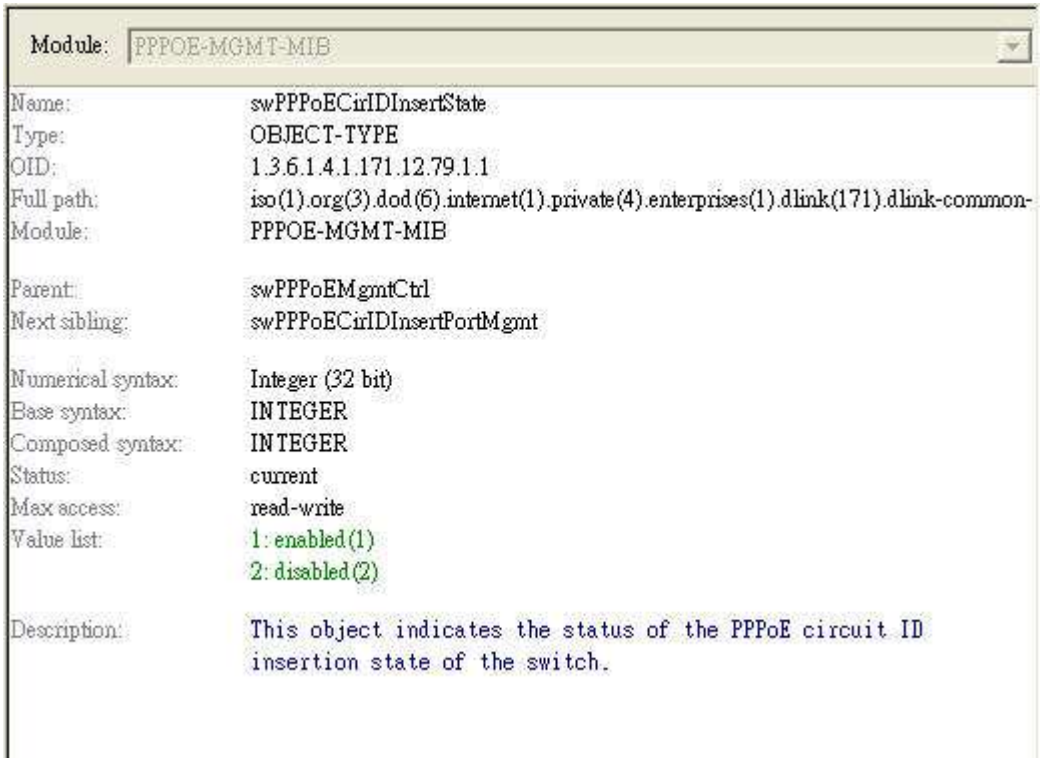
NETSNMP – How to configure PPPoE Circuit ID Insertion on DES-3500 series

The OIDs of configuring PPPoE Circuit ID Insertion are defined in PPPoE-MGMT-MIB.



swPPPoEMIB

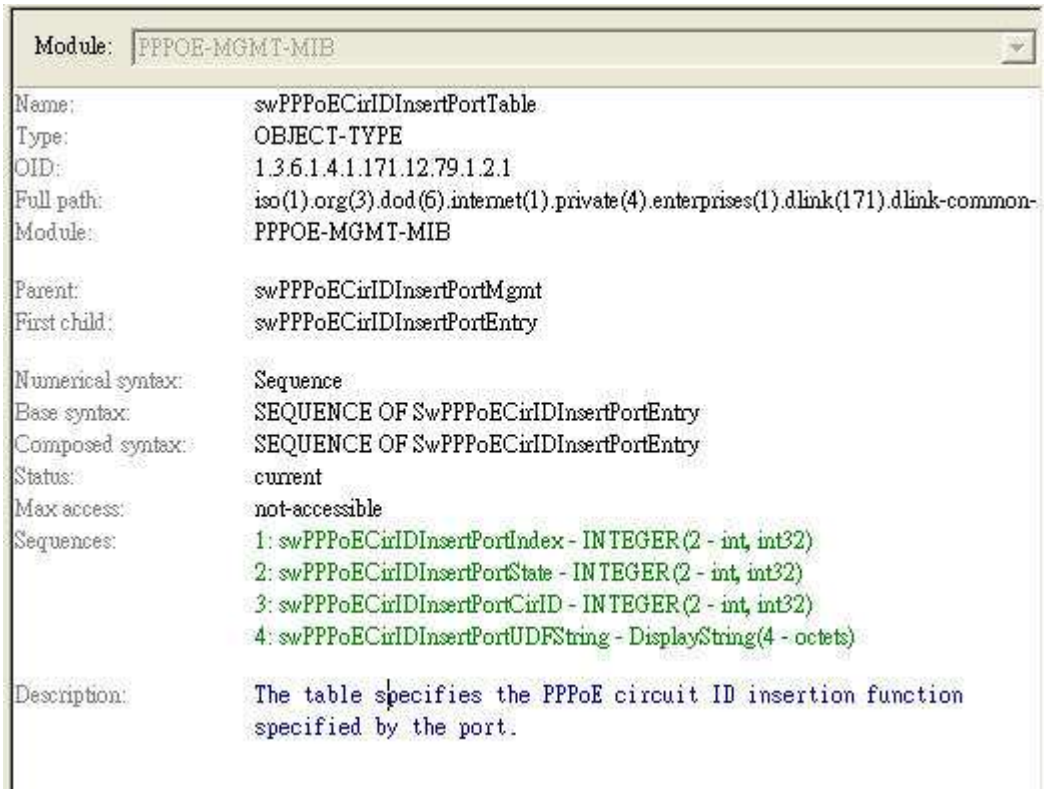
swPPPoECirIDInsertState



Module: PPPOE-MGMT-MIB

Name:	swPPPoECirIDInsertState
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.12.79.1.1
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-common-
Module:	PPPOE-MGMT-MIB
Parent:	swPPPoEMgmtCtrl
Next sibling:	swPPPoECirIDInsertPortMgmt
Numerical syntax:	Integer (32 bit)
Base syntax:	INTEGER
Composed syntax:	INTEGER
Status:	current
Max access:	read-write
Value list:	1: enabled(1) 2: disabled(2)
Description:	This object indicates the status of the PPPoE circuit ID insertion state of the switch.

swPPPoECirIDInsertPortTable



Module: PPPOE-MGMT-MIB

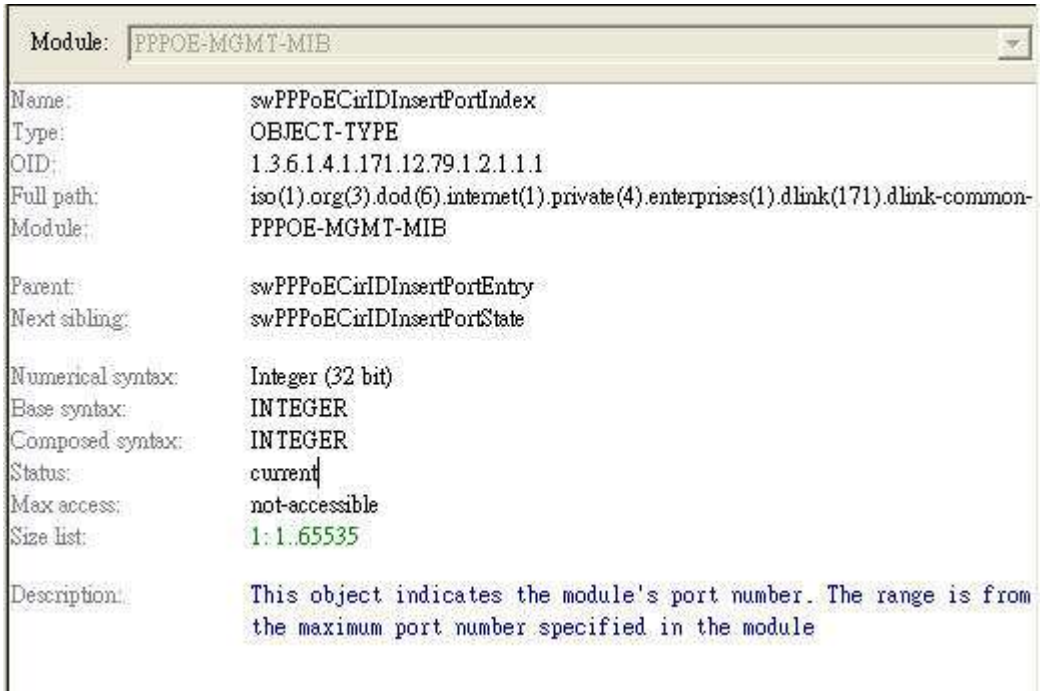
Name:	swPPPoECirIDInsertPortTable
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.12.79.1.2.1
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-common-
Module:	PPPOE-MGMT-MIB
Parent:	swPPPoECirIDInsertPortMgmt
First child:	swPPPoECirIDInsertPortEntry
Numerical syntax:	Sequence
Base syntax:	SEQUENCE OF SwPPPoECirIDInsertPortEntry
Composed syntax:	SEQUENCE OF SwPPPoECirIDInsertPortEntry
Status:	current
Max access:	not-accessible
Sequences:	1: swPPPoECirIDInsertPortIndex - INTEGER(2 - int, int32) 2: swPPPoECirIDInsertPortState - INTEGER(2 - int, int32) 3: swPPPoECirIDInsertPortCirID - INTEGER(2 - int, int32) 4: swPPPoECirIDInsertPortUDFString - DisplayString(4 - octets)
Description:	The table specifies the PPPoE circuit ID insertion function specified by the port.

swPPPoECirIDInsertPortEntry

Module: PPPOE-MGMT-MIB

Name:	swPPPoECirIDInsertPortEntry
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.12.79.1.2.1.1
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-common-
Module:	PPPOE-MGMT-MIB
Parent:	swPPPoECirIDInsertPortTable
First child:	swPPPoECirIDInsertPortIndex
Numerical syntax:	Null
Base syntax:	SwPPPoECirIDInsertPortEntry
Composed syntax:	SwPPPoECirIDInsertPortEntry
Status:	current
Max access:	not-accessible
Sequences:	1: swPPPoECirIDInsertPortIndex - INTEGER (2 - int, int32) 2: swPPPoECirIDInsertPortState - INTEGER (2 - int, int32) 3: swPPPoECirIDInsertPortCirID - INTEGER (2 - int, int32) 4: swPPPoECirIDInsertPortUDFString - DisplayString(4 - octets)
Indexes:	1: swPPPoECirIDInsertPortIndex
Description:	A list of information contained in swPPPoECirIDInsertPortTable.

swPPPoECirIDInsertPortIndex



Module: PPPOE-MGMT-MIB

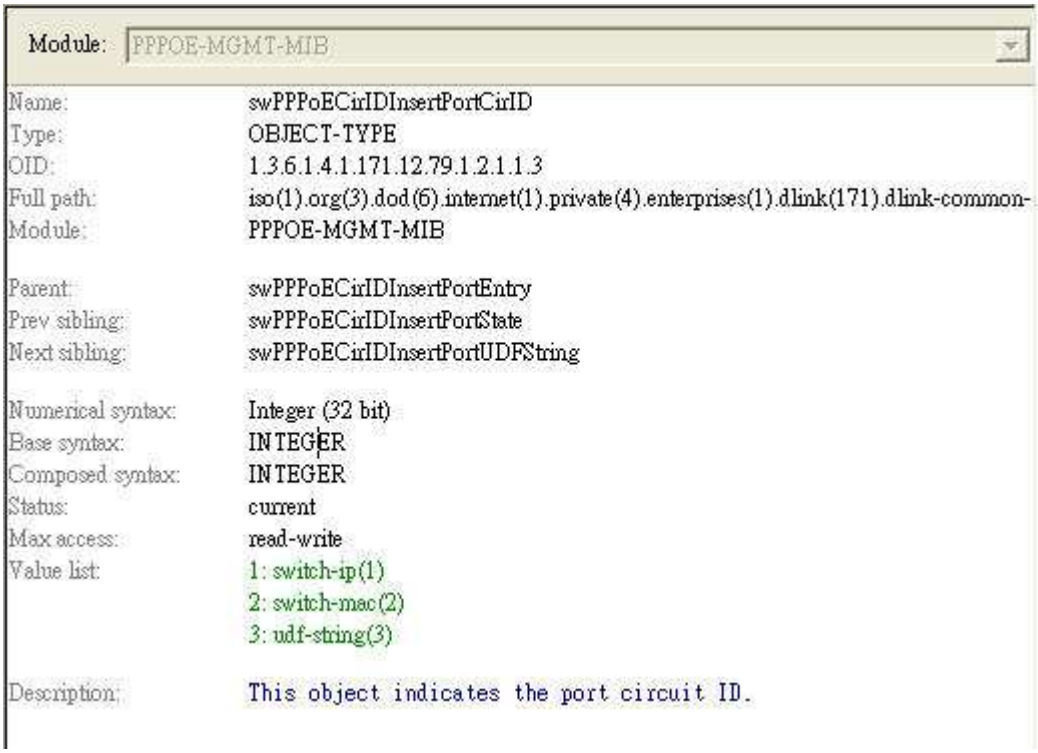
Name:	swPPPoECirIDInsertPortIndex
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.12.79.1.2.1.1.1
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-common-
Module:	PPPOE-MGMT-MIB
Parent:	swPPPoECirIDInsertPortEntry
Next sibling:	swPPPoECirIDInsertPortState
Numerical syntax:	Integer (32 bit)
Base syntax:	INTEGER
Composed syntax:	INTEGER
Status:	current
Max access:	not-accessible
Size list:	1: 1..65535
Description:	This object indicates the module's port number. The range is from the maximum port number specified in the module

swPPPoECirIDInsertPortState

Module: PPPOE-MGMT-MIB

Name:	swPPPoECirIDInsertPortState
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.12.79.1.2.1.1.2
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-common-
Module:	PPPOE-MGMT-MIB
Parent:	swPPPoECirIDInsertPortEntry
Prev sibling:	swPPPoECirIDInsertPortIndex
Next sibling:	swPPPoECirIDInsertPortCirID
Numerical syntax:	Integer (32 bit)
Base syntax:	INTEGER
Composed syntax:	INTEGER
Status:	current
Max access:	read-write
Value list:	1: enabled(1) 2: disabled(2)
Description:	This object indicates the PPPoE circuit ID insertion function sta on the port.

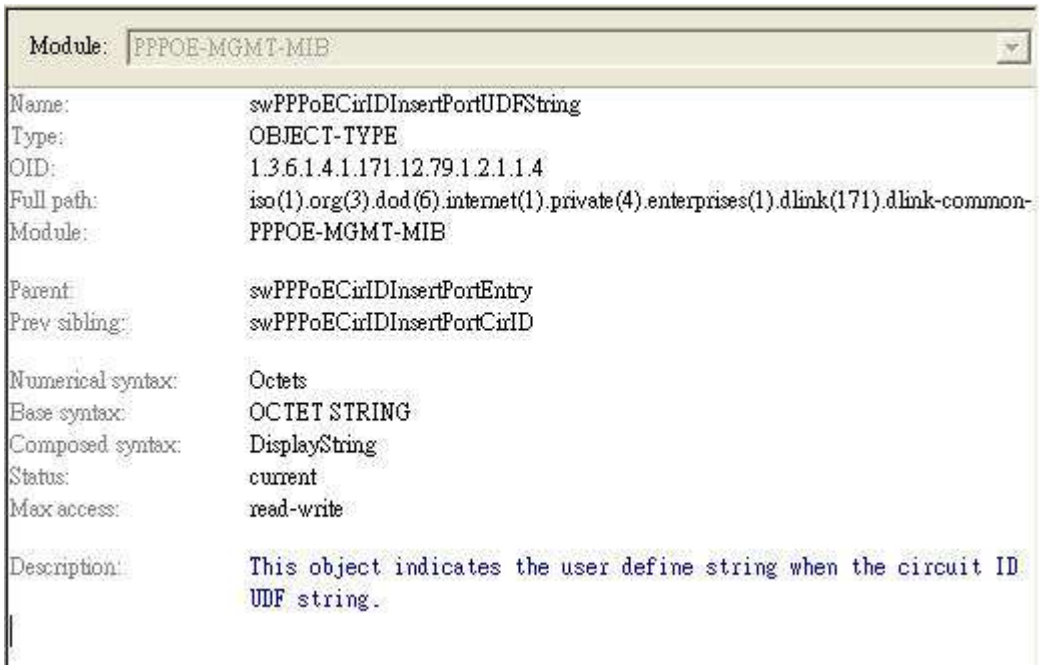
swPPPoECirIDInsertPortCirID



Module: PPPOE-MGMT-MIB

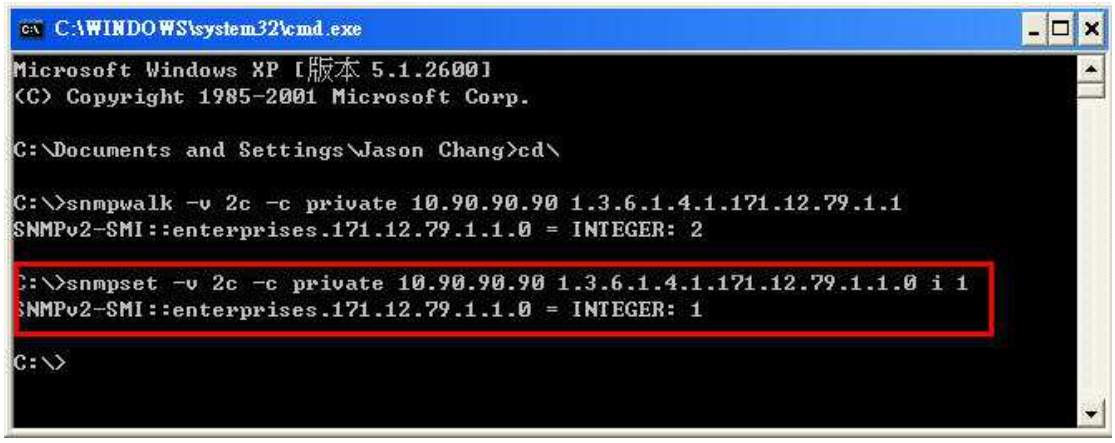
Name:	swPPPoECirIDInsertPortCirID
Type:	OBJECT-TYPE
OID:	1.3.6.1.4.1.171.12.79.1.2.1.1.3
Full path:	iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).dlink(171).dlink-common-
Module:	PPPOE-MGMT-MIB
Parent:	swPPPoECirIDInsertPortEntry
Prev sibling:	swPPPoECirIDInsertPortState
Next sibling:	swPPPoECirIDInsertPortUDFString
Numerical syntax:	Integer (32 bit)
Base syntax:	INTEGER
Composed syntax:	INTEGER
Status:	current
Max access:	read-write
Value list:	1: switch-ip(1) 2: switch-mac(2) 3: udf-string(3)
Description:	This object indicates the port circuit ID.

swPPPoECirIDInsertPortUDFString

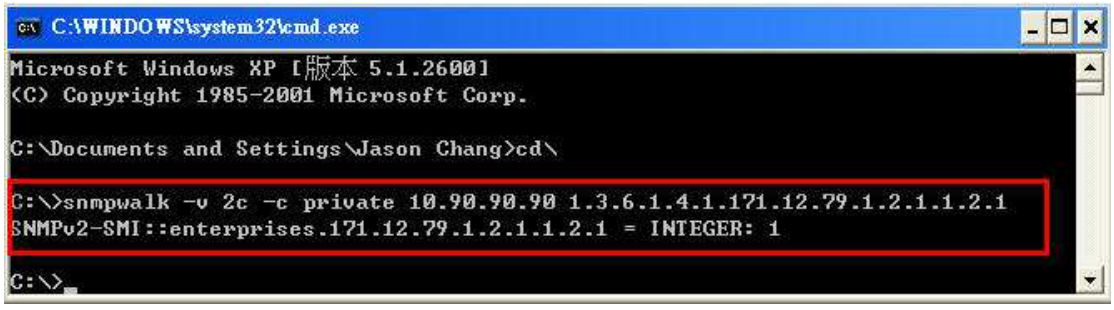


 # Configure Circuit ID Insertion

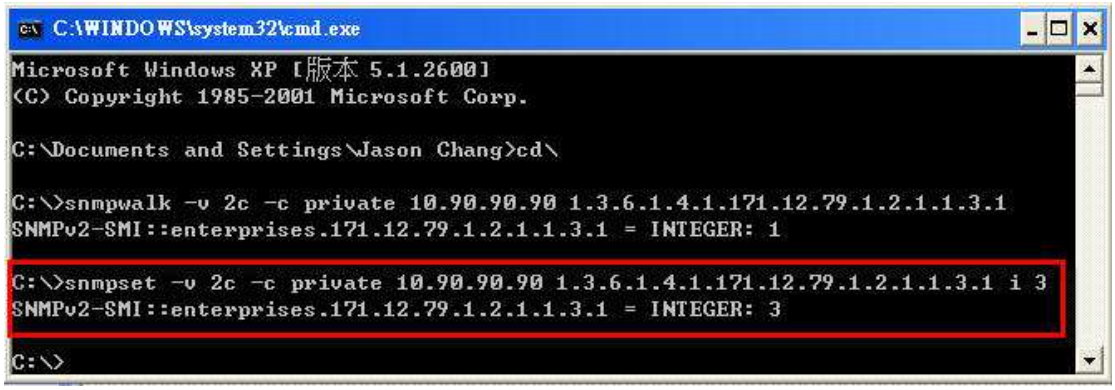
Step1. Enable global PPPoE Circuit ID Insertion state.



Step2. Enable PPPoE Circuit ID Insertion on port 1.



Step3. Configure Circuit ID as UDF string on port 1.



Step4. Configure UDF string to be “pppoe”.