

## How to set CPU filter on DES-3528 via SNMP?

Note: This function is started to support on DES-3528 series after R3 firmware:

1. According to DES-3528 series SNMP spec, CPU filter only supports PIMState, DVMRPState and IGMPQueryState.
2. All examples are setting on port 1.

MIB: filter-MIB

Object name	swFilterCPUL3CtrlPktTable
Object ID	1.3.6.1.4.1.171.12.37.4.1
Module	FILTER-MIB
Base syntax	Sequence Of swFilterCPUL3CtrlPktEntry
Access	Not_Accessible
Status	Current
Sequence	1:swFilterCPUL3CtrlPktPortIndex - Integer 2:swFilterCPUL3CtrlPktRIPState - Integer 3:swFilterCPUL3CtrlPktOSPFState - Integer 4:swFilterCPUL3CtrlPktVRRPState - Integer 5:swFilterCPUL3CtrlPktPIMState - Integer 6:swFilterCPUL3CtrlPktDVMRPState - Integer 7:swFilterCPUL3CtrlPktIGMPQueryState - Integer
Parent node	swFilterCPU
First child	swFilterCPUL3CtrlPktEntry
Description	The table specifies the CPU filter of the layer 3 control packet function of a port.

swFilterCPUL3CtrlPktPIMState

1.3.6.1.4.1.171.12.37.4.1.1.5

Object name	swFilterCPUL3CtrlPktPIMState
Object ID	1.3.6.1.4.1.171.12.37.4.1.1.5
Module	FILTER-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : enabled(1) 2 : disabled(2)
Parent node	swFilterCPUL3CtrlPktEntry
First child	None
Description	This object indicates the PIM status of the layer 3 control packet.

NetSNMP command:

Enable PIM packet filter

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.37.4.1.1.5.1 i 1
swFilterCPUL3CtrlPktDVMRPState
1.3.6.1.4.1.171.12.37.4.1.1.6
```

Object name	swFilterCPUL3CtrlPktDVMRPState
Object ID	1.3.6.1.4.1.171.12.37.4.1.1.6
Module	FILTER-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : enabled(1) 2 : disabled(2)
Parent node	swFilterCPUL3CtrlPktEntry
First child	None
Description	This object indicates the DVMRP status of the layer 3 control packet.

NetSNMP command:

Enable DVMRP packet filter

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.37.4.1.1.6.1 i 1
```

swFilterCPUL3CtrlPktIGMPQueryState

1.3.6.1.4.1.171.12.37.4.1.1.7

Object name	swFilterCPUL3CtrlPktIGMPQueryState
Object ID	1.3.6.1.4.1.171.12.37.4.1.1.7
Module	FILTER-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : enabled(1) 2 : disabled(2)
Parent node	swFilterCPUL3CtrlPktEntry
First child	None
Description	This object indicates the IGMP query status of the layer 3 control packet.

NetSNMP command:

Enable IGMP query packet filter

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.37.4.1.1.7.1 i 1
```