

How to set CPU filter for L3 control packet with SNMP command on DGS-3600

The following the command set CPU filter to control the packet type, rip ospf vrrp pim dvmrp igmp_query on port, 1.

```
$snmpset -c private -v 2c 192.168.1.24 1.3.6.1.4.1.171.12.37.4.1.1.2.5
i 1 1.3.6.1.4.1.171.12.37.4.1.1.3.5 i 1 1.3.6.1.4.1.171.12.37.4.1.1.4.5
i 1 1.3.6.1.4.1.171.12.37.4.1.1.5.5 i 1 1.3.6.1.4.1.171.12.37.4.1.1.6.5
i 1 1.3.6.1.4.1.171.12.37.4.1.1.7.5 i 1
```

Please refer the following the description for CPU filter

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPU3CtrlPktTable	Object name	swFilterCPU3CtrlPktTable
	Object ID	1.3.6.1.4.1.171.12.37.4.1
	Module	FILTER-MIB
	Base syntax	Sequence Of swFilterCPU3CtrlPktEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:swFilterCPU3CtrlPktPortIndex - Integer 2:swFilterCPU3CtrlPktRIPState - Integer 3:swFilterCPU3CtrlPktOSPFState - Integer 4:swFilterCPU3CtrlPktVRRPState - Integer 5:swFilterCPU3CtrlPktPIMState - Integer 6:swFilterCPU3CtrlPktVMRPState - Integer 7:swFilterCPU3CtrlPktIGMPQueryState - Integer
	Parent node	swFilterCPU
	First child	swFilterCPU3CtrlPktEntry
	Description	The table specifies the CPU filter of the layer 3 control packet function of a port.

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPU3CtrlPktTable swFilterCPU3CtrlPktEntry	Object name	swFilterCPU3CtrlPktEntry
	Object ID	1.3.6.1.4.1.171.12.37.4.1.1
	Module	FILTER-MIB
	Base syntax	Sequence
	Access	Not_Accessible
	Status	Current
	Index	1.swFilterCPU3CtrlPktPortIndex
	Parent node	swFilterCPU3CtrlPktTable
	First child	swFilterCPU3CtrlPktPortIndex
	Description	This entry includes all port CPU filters of layer 3 control packet states which are supported by the device.

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPU3CtrlPktTable swFilterCPU3CtrlPktEntry swFilterCPU3CtrlPktPortIndex	Object name	swFilterCPU3CtrlPktPortIndex
	Object ID	1.3.6.1.4.1.171.12.37.4.1.1.1
	Module	FILTER-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Only
	Status	Current
	Value list	1 : 1..65535
	Parent node	swFilterCPU3CtrlPktEntry
	First child	None
Description	This object indicates the module's port number. The range is from 1 to the maximum port number supported by this module.	

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPUL3CtrlPktTable swFilterCPUL3CtrlPktEntry swFilterCPUL3CtrlPktPortIndex swFilterCPUL3CtrlPktRIPState swFilterCPUL3CtrlPktOSPFState swFilterCPUL3CtrlPktVRRPState swFilterCPUL3CtrlPktPIMState swFilterCPUL3CtrlPktDVMRPState swFilterCPUL3CtrlPktIGMPQu	Object name	swFilterCPUL3CtrlPktRIPState
	Object ID	1.3.6.1.4.1.171.12.37.4.1.1.2
	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
	Description	This object indicates the RIP status of the layer 3 control packet.

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPUL3CtrlPktTable swFilterCPUL3CtrlPktEntry swFilterCPUL3CtrlPktPortIndex swFilterCPUL3CtrlPktRIPState swFilterCPUL3CtrlPktOSPFState swFilterCPUL3CtrlPktVRRPState swFilterCPUL3CtrlPktPIMState swFilterCPUL3CtrlPktDVMRPState swFilterCPUL3CtrlPktIGMPQu	Object name	swFilterCPUL3CtrlPktOSPFState
	Object ID	1.3.6.1.4.1.171.12.37.4.1.1.3
	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
	Description	This object indicates the OSPF status of the layer 3 control packet.

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPUL3CtrlPktTable swFilterCPUL3CtrlPktEntry swFilterCPUL3CtrlPktPortIndex swFilterCPUL3CtrlPktRIPState swFilterCPUL3CtrlPktOSPFState swFilterCPUL3CtrlPktVRRPState swFilterCPUL3CtrlPktPIMState swFilterCPUL3CtrlPktDVMRPState swFilterCPUL3CtrlPktIGMPQu	Object name	swFilterCPUL3CtrlPktVRRPState
	Object ID	1.3.6.1.4.1.171.12.37.4.1.1.4
	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
	Description	This object indicates the VRRP status of the layer 3 control packet.

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPUL3CtrlPktTable swFilterCPUL3CtrlPktEntry swFilterCPUL3CtrlPktPortIndex swFilterCPUL3CtrlPktRIPState swFilterCPUL3CtrlPktOSPFState swFilterCPUL3CtrlPktVRRPState swFilterCPUL3CtrlPktPIMState swFilterCPUL3CtrlPktDVMRPState swFilterCPUL3CtrlPktIGMPQu	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
	Description	This object indicates the PIM status of the layer 3 control packet.

MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPUL3CtrlPktTable swFilterCPUL3CtrlPktEntry swFilterCPUL3CtrlPktPortIndex swFilterCPUL3CtrlPktRIPState swFilterCPUL3CtrlPktOSPFState swFilterCPUL3CtrlPktVRRPState swFilterCPUL3CtrlPktPIMState swFilterCPUL3CtrlPktDVMRPState swFilterCPUL3CtrlPktIGMPQu	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
	Description	This object indicates the DVMRP status of the layer 3 control packet.

<ul style="list-style-type: none"> MIB FilterDhcp FilterNetbios FilterExtNetbios FilterCPU swFilterCPUL3CtrlPktTable <ul style="list-style-type: none"> swFilterCPUL3CtrlPktEntry <ul style="list-style-type: none"> swFilterCPUL3CtrlPktIPortIndex swFilterCPUL3CtrlPktRIPState swFilterCPUL3CtrlPktIOSPFState swFilterCPUL3CtrlPktVRRPState swFilterCPUL3CtrlPktPIMState swFilterCPUL3CtrlPktDVMRPState swFilterCPUL3CtrlPktIGMPQueryState 	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.