

How to Configure Limited Multicast Addresses via SNMP

The related OID located in Dlink-common-mgmt - McastFilter.mib

The related OID is 1.3.6.1.4.1.171.12.53 for DES-3200 C1 Series

The following example is based on DES-3200-28 c1, the target is create a multicast filter profile "abc" and setup the filter multicast address to 225.0.0.1-225.0.0.10 on port8.

Command :

```
snmpset -v2c -c private 10.78.2.151 1.3.6.1.4.1.171.12.53.1.1.2.1 s abc
1.3.6.1.4.1.171.12.53.1.1.3.1 i 4
1.3.6.1.4.1.171.12.53.2.1.4.1.225.0.0.1.225.0.0.10 i 4
1.3.6.1.4.1.171.12.53.3.1.3.8.1 i 4 1.3.6.1.4.1.171.12.53.4.1.2.8 i 1
```

Create Multicast Filter Profile Name "abc"

```
CLI #create mcast_filter_profile profile_id 1 profile_name abc
snmpset -v2c -c private 10.78.2.151 1.3.6.1.4.1.171.12.53.1.1.2.1 s abc
snmpset -v2c -c private 10.78.2.151 1.3.6.1.4.1.171.12.53.1.1.3.1 i 4
abc = profile_name
4 = create And Go
```

Add Multicast Filter Group List "225.0.0.1-225.0.0.10" into profile_id 1

```
CLI #config mcast_filter_profile profile_id 1 add 225.0.0.1-225.0.0.10
snmpset -v2c -c private 10.78.2.151
1.3.6.1.4.1.171.12.53.2.1.4.1.225.0.0.1.225.0.0.10 i 4
1 = profile_id
4 = Create and Go
```

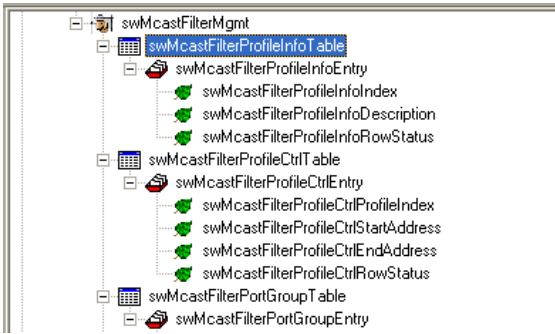
Assign multicast filter profile on port 8

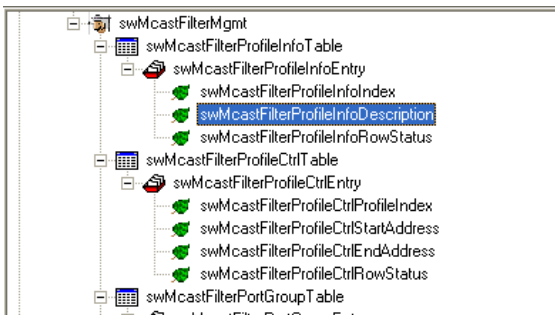
```
CLI #config limited_multicast_addr ports 8 add profile_id 1 access permit
snmpset -v2c -c private 10.78.2.151 1.3.6.1.4.1.171.12.53.3.1.3.8.1 i 4
1.3.6.1.4.1.171.12.53.4.1.2.8 i 1
8 = port number
1 = profile id 1
```

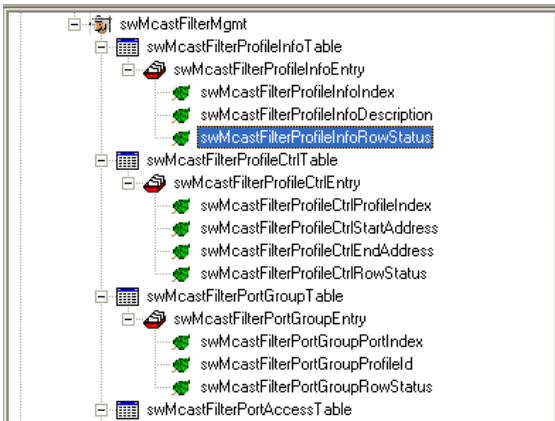
4 = Create and Go

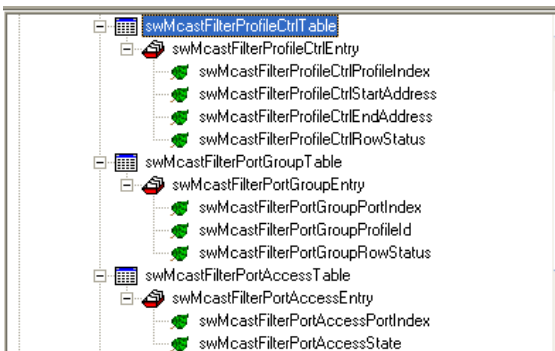
1 = access permit

Related OID:

	<table border="1"><tr><td>Object name</td><td>swMcastFilterProfileInfo Table</td></tr><tr><td>Object ID</td><td>1.3.6.1.4.1.171.12.53.1</td></tr><tr><td>Module</td><td>MCAST-FILTER-MIB</td></tr><tr><td>Base syntax</td><td>Sequence Of swMcastFilterProfileInfoEntry</td></tr><tr><td>Access</td><td>Not_Accessible</td></tr><tr><td>Status</td><td>Current</td></tr><tr><td>Sequence</td><td>1:swMcastFilterProfileInfoIndex - Integer 2:swMcastFilterProfileInfoDescription - Octet String 3:swMcastFilterProfileInfoRowStatus - Integer</td></tr><tr><td>Parent node</td><td>swMcastFilterMgmt</td></tr><tr><td>First child</td><td>swMcastFilterProfileInfoEntry</td></tr><tr><td>Description</td><td>The description of the multicast filter profile table.</td></tr></table>	Object name	swMcastFilterProfileInfo Table	Object ID	1.3.6.1.4.1.171.12.53.1	Module	MCAST-FILTER-MIB	Base syntax	Sequence Of swMcastFilterProfileInfoEntry	Access	Not_Accessible	Status	Current	Sequence	1:swMcastFilterProfileInfoIndex - Integer 2:swMcastFilterProfileInfoDescription - Octet String 3:swMcastFilterProfileInfoRowStatus - Integer	Parent node	swMcastFilterMgmt	First child	swMcastFilterProfileInfoEntry	Description	The description of the multicast filter profile table.
Object name	swMcastFilterProfileInfo Table																				
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<ul style="list-style-type: none"> swMcastFilterPortAccessTable <ul style="list-style-type: none"> swMcastFilterPortAccessEntry <ul style="list-style-type: none"> swMcastFilterPortAccessPortIndex swMcastFilterPortAccessState swMcastFilterPortMaxGroupTable <ul style="list-style-type: none"> swMcastFilterPortMaxGroupEntry <ul style="list-style-type: none"> swMcastFilterPortMaxGroupPortIndex swMcastFilterPortMaxGroup swMcastFilterPortCurrentCount swMcastFilterPortMaxGroupAction swMcastFilterVLANGroupTable <ul style="list-style-type: none"> swMcastFilterVLANGroupEntry <ul style="list-style-type: none"> swMcastFilterVLANGroupVLANIndex 	<table border="1"> <tr><td>Object name</td><td>swMcastFilterPortAccessTable</td></tr> <tr><td>Object ID</td><td>1.3.6.1.4.1.171.12.53.4</td></tr> <tr><td>Module</td><td>MCAST-FILTER-MIB</td></tr> <tr><td>Base syntax</td><td>Sequence Of swMcastFilterPortAccessEntry</td></tr> <tr><td>Access</td><td>Not_Accessible</td></tr> <tr><td>Status</td><td>Current</td></tr> <tr><td>Sequence</td><td>1:swMcastFilterPortAccessPortIndex - Integer 2:swMcastFilterPortAccessState - Integer</td></tr> <tr><td>Parent node</td><td>swMcastFilterMgmt</td></tr> <tr><td>First child</td><td>swMcastFilterPortAccessEntry</td></tr> <tr><td>Description</td><td>The access state information of the port table.</td></tr> </table>	Object name	swMcastFilterPortAccessTable	Object ID	1.3.6.1.4.1.171.12.53.4	Module	MCAST-FILTER-MIB	Base syntax	Sequence Of swMcastFilterPortAccessEntry	Access	Not_Accessible	Status	Current	Sequence	1:swMcastFilterPortAccessPortIndex - Integer 2:swMcastFilterPortAccessState - Integer	Parent node	swMcastFilterMgmt	First child	swMcastFilterPortAccessEntry	Description	The access state information of the port table.
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swMcastFilterPortAccessTable	Object name	swMcastFilterPortAccessState
swMcastFilterPortAccessEntry	Object ID	1.3.6.1.4.1.171.12.53.4.1.2
swMcastFilterPortAccessPortIndex	Module	MCAST-FILTER-MIB
swMcastFilterPortAccessState	Base syntax	Integer
swMcastFilterPortMaxGroupTable	Composed syntax	INTEGER
swMcastFilterPortMaxGroupEntry	Access	Read-Write
swMcastFilterPortMaxGroupPortIndex	Status	Current
swMcastFilterPortMaxGroup	Value list	1 : permit(1) 2 : deny(2)
swMcastFilterPortMaxGroupCount	Parent node	swMcastFilterPortAccessEntry
swMcastFilterPortMaxGroupAction	First child	None
swMcastFilterVLANGroupTable	Description	This object indicates the access state for this entry.
swMcastFilterVLANGroupEntry		
swMcastFilterVLANGroupVLANIndex		
swMcastFilterVLANGroupProfileId		