

How to Configure Limited Multicast Addresses via SNMP

The related OID located in swL2MgmtMIB

Following is the related OID for DES-3200 Series

1.3.6.1.4.1.171.11.113.1.1.2.22 [DES-3200-10](#)

1.3.6.1.4.1.171.11.113.1.2.2.22 [DES-3200-18](#)

1.3.6.1.4.1.171.11.113.1.3.2.22 [DES-3200-28](#)

1.3.6.1.4.1.171.11.113.1.4.2.22 [DES-3200-28F](#)

1.3.6.1.4.1.171.11.113.1.5.2.22 [DES-3200-26](#)

The following example is based on DES-3200-28F, the target is create a multicast filter profile "abc" and setup the filter multicast address to 224.1.1.5-224.1.1.6 on port1.

Command

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.2.1 s abc
1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.3.1 i 2 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.4.1 s
224.1.1.5-224.1.1.6 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.5.1 i 4
```

Create Multicast Filter Profile Name "abc"

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.2.1 s abc
```

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.3.1 i 2
```

2 = Add

Add Multicast Filter Group List "224.1.1.5 ~ 224.1.1.6"

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.4.1 s 224.1.1.5-224.1.1.6
```

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.5.1 i 4
```

4 = Create and Go

Assign multicast filter profile on port 1

```
snmpset -v2c -c private 10.90.90.91 1.3.6.1.4.1.171.11.113.1.4.2.22.3.1.2.1 i 2
```

```
1.3.6.1.4.1.171.11.113.1.4.2.22.3.1.3.1 i 1
```

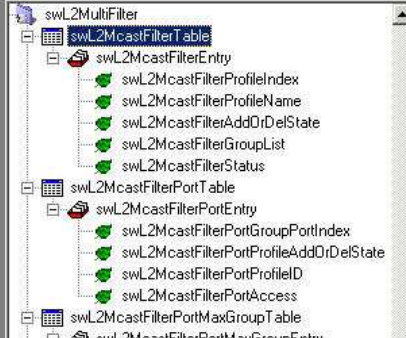
1 = port number

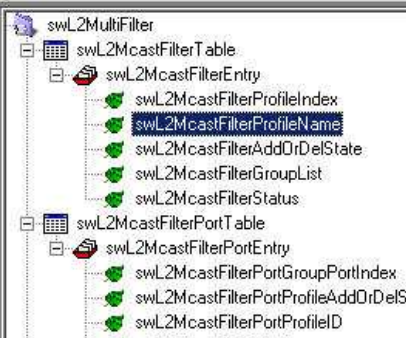
Add One More Group List "224.1.1.8-224.1.1.9"

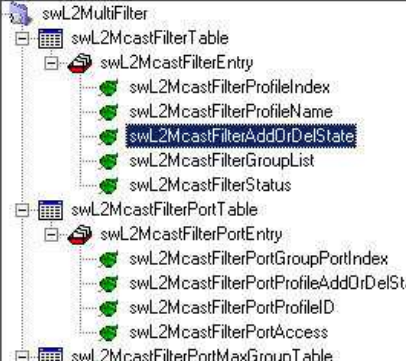
```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.3.1 i 2
```

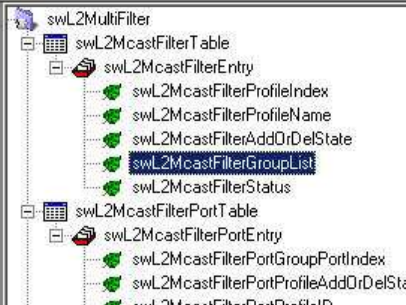
```
1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.4.1 s 224.1.1.8-224.1.1.9
```

Related OID:

	<table border="0"> <tr><td>Object name</td><td>swL2McastFilterTable</td></tr> <tr><td>Object ID</td><td>1.3.6.1.4.1.171.11.113.1.4.2.22.2</td></tr> <tr><td>Module</td><td>DES3200-28F-L2MGMT-MIB</td></tr> <tr><td>Base syntax</td><td>Sequence Of swL2McastFilterEntry</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:swL2McastFilterProfileIndex - Integer 2:swL2McastFilterProfileName - Octet String 3:swL2McastFilterAddOrDelState - Integer 4:swL2McastFilterGroupList - Octet String 5:swL2McastFilterStatus - Integer</td></tr> <tr><td>Parent node</td><td>swL2MultiFilter</td></tr> <tr><td>First child</td><td>swL2McastFilterEntry</td></tr> <tr><td>Description</td><td>A table that contains information about the multicast f</td></tr> </table>	Object name	swL2McastFilterTable	Object ID	1.3.6.1.4.1.171.11.113.1.4.2.22.2	Module	DES3200-28F-L2MGMT-MIB	Base syntax	Sequence Of swL2McastFilterEntry	Access	Not_Accessible	Status	Current	Sequence	1:swL2McastFilterProfileIndex - Integer 2:swL2McastFilterProfileName - Octet String 3:swL2McastFilterAddOrDelState - Integer 4:swL2McastFilterGroupList - Octet String 5:swL2McastFilterStatus - Integer	Parent node	swL2MultiFilter	First child	swL2McastFilterEntry	Description	A table that contains information about the multicast f
Object name	swL2McastFilterTable																				
Object ID	1.3.6.1.4.1.171.11.113.1.4.2.22.2																				
Module	DES3200-28F-L2MGMT-MIB																				
Base syntax	Sequence Of swL2McastFilterEntry																				
Access	Not_Accessible																				
Status	Current																				
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Object name	swL2McastFilterProfileName																						
Object ID	1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.2																						
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Status	Current																						
Value list	1 : 1..32																						
Parent node	swL2McastFilterEntry																						
First child	None																						
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Object name	swL2McastFilterAddOrDelState																						
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Parent node	swL2McastFilterEntry																						
First child	None																						
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Object name	swL2McastFilterGroupList																				
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Composed syntax	DisplayString																				
Access	Read-Write																				
Status	Current																				
Parent node	swL2McastFilterEntry																				
First child	None																				
Description	The multicast filter address group list.																				

	Object name	swL2McastFilterStatus
	Object ID	1.3.6.1.4.1.171.11.113.1.4.2.22.2.1.5
	Module	DES3200-28F-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	RowStatus
	Access	Read-Create
	Status	Current
	Value list	1 : active(1) 2 : notInService(2) 3 : notReady(3) 4 : createAndGo(4) 5 : createAndWait(5) 6 : destroy(6)
	Parent node	swL2McastFilterEntry
	First child	None
Description	This object indicates the status of this entry.	

	Object name	swL2McastFilterPortTable
	Object ID	1.3.6.1.4.1.171.11.113.1.4.2.22.3
	Module	DES3200-28F-L2MGMT-MIB
	Base syntax	Sequence Of swL2McastFilterPortEntry
	Access	Not_Accessible
	Status	Current
	Sequence	1:swL2McastFilterPortGroupPortIndex - Integer 2:swL2McastFilterPortProfileAddOrDelState - Integer 3:swL2McastFilterPortProfileID - Integer 4:swL2McastFilterPortAccess - Integer
	Parent node	swL2MultiFilter
	First child	swL2McastFilterPortEntry
	Description	A table that is used to bind port to profile ID.

	Object name	swL2McastFilterPortProfileAddOrDelState
	Object ID	1.3.6.1.4.1.171.11.113.1.4.2.22.3.1.2
	Module	DES3200-28F-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : none(1) 2 : add(2) 3 : delete(3)
	Parent node	swL2McastFilterPortEntry
	First child	None
Description	The control multicast filter profile.	

	Object name	swL2McastFilterPortProfileID
	Object ID	1.3.6.1.4.1.171.11.113.1.4.2.22.3.1.3
	Module	DES3200-28F-L2MGMT-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : 0..24
	Parent node	swL2McastFilterPortEntry
	First child	None
Description	This object indicates the profile ID of this entry. When read, it is always 0. When set, 0 can not be set.	