

How to setup limited multicast group with SNMP command on DES-3528 v2

Follow the commands below.

1. Create a multicat filter profile

```
snmpset -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.53.1.1.2.2 s test2
```

```
1.3.6.1.4.1.171.12.53.1.1.3.2 i 4
```

=> 2 is profile ID for this multicast filter profile, so the rest of command should use "2" for adding other attributes.

2. Set the multicat filter profile range from 239.0.0.0 to 239.0.0.10

```
snmpset -c private -v 2c 10.90.90.90
```

```
1.3.6.1.4.1.171.12.53.2.1.4.2.239.0.0.1.239.0.0.10 i 4
```

=> 2 is profile ID you set on step 1.

3. Bind the profile on the port, 7

```
snmpset -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.53.3.1.3.7.2 i 4
```

=> 2 is profile ID you set on step 1.

4. Set the port deny the multicast group

```
snmpset -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.53.4.1.2.7 i 2
```

5. Set the port 7 only can learn 2 multicast group

```
snmpset -c private -v 2c 10.90.90.90 1.3.6.1.4.1.171.12.53.5.1.2.7 i 2
```

```
1.3.6.1.4.1.171.12.53.5.1.4.7 i 1
```

Please refer the following the description for limited multicast group

The image shows two screenshots of a network management interface. The top screenshot displays the details for the object `swMcastFilterProfileInfoEntry`. The bottom screenshot displays the details for the object `swMcastFilterProfileInfoIndex`.

Object name	swMcastFilterProfileInfoEntry
Object ID	1.3.6.1.4.1.171.12.53.1.1
Module	MCAST-FILTER-MIB
Base syntax	Sequence
Access	Not_Accessible
Status	Current
Index	1.swMcastFilterProfileInfoIndex
Parent node	swMcastFilterProfileInfoTable
First child	swMcastFilterProfileInfoIndex
Description	A list of information contained in the swMcastFilterProfileInfoTable.

Object name	swMcastFilterProfileInfoIndex
Object ID	1.3.6.1.4.1.171.12.53.1.1.1
Module	MCAST-FILTER-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 1..65535
Parent node	swMcastFilterProfileInfoEntry
First child	None
Description	This object indicates the profile ID for this entry.

<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCtrlTable swMcastFilterPortGroupTable swMcastFilterPortAccessTable swMcastFilterPortMaxGroupTable swMcastFilterVLANGroupTable swMcastFilterVLANAccessTable swMcastFilterVLANMaxGroupTable </pre>	Object name swMcastFilterProfileInfoDescription Object ID 1.3.6.1.4.1.171.12.53.1.1.2 Module MCAST-FILTER-MIB
	Base syntax Octet String Composed syntax DisplayString Access Read-Create Status Current Value list 1 : 0..32
	Parent node swMcastFilterProfileInfoEntry First child None Description This object specifies the description for this entry.

<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCtrlTable swMcastFilterPortGroupTable swMcastFilterPortAccessTable swMcastFilterPortMaxGroupTable swMcastFilterVLANGroupTable swMcastFilterVLANAccessTable swMcastFilterVLANMaxGroupTable </pre>	Object name swMcastFilterProfileInfoDescription Object ID 1.3.6.1.4.1.171.12.53.1.1.2 Module MCAST-FILTER-MIB
	Base syntax Octet String Composed syntax DisplayString Access Read-Create Status Current Value list 1 : 0..32
	Parent node swMcastFilterProfileInfoEntry First child None Description This object specifies the description for this entry.

<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCtrlTable swMcastFilterPortGroupTable swMcastFilterPortAccessTable swMcastFilterPortMaxGroupTable swMcastFilterVLANGroupTable swMcastFilterVLANAccessTable swMcastFilterVLANMaxGroupTable </pre>	Object name swMcastFilterProfileCtrlTable Object ID 1.3.6.1.4.1.171.12.53.2 Module MCAST-FILTER-MIB
	Base syntax Sequence Of swMcastFilterProfileCtrlEntry Access Not Accessible Status Current Sequence 1:swMcastFilterProfileCtrlProfileIndex - Integer 2:swMcastFilterProfileCtrlStartAddress - IP Address 3:swMcastFilterProfileCtrlEndAddress - IP Address 4:swMcastFilterProfileCtrlRowStatus - Integer
	Parent node swMcastFilterMgmt First child swMcastFilterProfileCtrlEntry Description The information of the multicast filter profile table.

<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCtrlTable swMcastFilterProfileCtrlEntry swMcastFilterProfileCtrlProfileIndex swMcastFilterProfileCtrlStartAddress swMcastFilterProfileCtrlEndAddress swMcastFilterProfileCtrlRowStatus </pre>	Object name swMcastFilterProfileCtrlEntry Object ID 1.3.6.1.4.1.171.12.53.2.1 Module MCAST-FILTER-MIB
	Base syntax Sequence Access Not Accessible Status Current Index 1.swMcastFilterProfileCtrlProfileIndex 2.swMcastFilterProfileCtrlStartAddress 3.swMcastFilterP
	Parent node swMcastFilterProfileCtrlTable First child swMcastFilterProfileCtrlProfileIndex Description A list of information contained in swMcastFilterProfileCtrlTable.

<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCtrlTable swMcastFilterProfileCtrlEntry swMcastFilterProfileCtrlProfileIndex swMcastFilterProfileCtrlStartAddress swMcastFilterProfileCtrlEndAddress swMcastFilterProfileCtrlRowStatus </pre>	Object name swMcastFilterProfileCtrlProfileIndex Object ID 1.3.6.1.4.1.171.12.53.2.1.1 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 1..65535
	Parent node swMcastFilterProfileCtrlEntry First child None Description This object indicates the profile ID for this entry.

<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCtrlTable swMcastFilterProfileCtrlEntry swMcastFilterProfileCtrlProfileIndex swMcastFilterProfileCtrlStartAddress swMcastFilterProfileCtrlEndAddress swMcastFilterProfileCtrlRowStatus </pre>	Object name swMcastFilterProfileCtrlStartAddress Object ID 1.3.6.1.4.1.171.12.53.2.1.2 Module MCAST-FILTER-MIB
	Base syntax IP Address Composed syntax IPAddress Access Read-Only Status Current
	Parent node swMcastFilterProfileCtrlEntry First child None Description This object specifies begin IP address for this range.

	Object name swMcastFilterProfileCtrlEndAddress Object ID 1.3.6.1.4.1.171.12.53.2.1.3 Module MCAST-FILTER-MIB
	Base syntax IP Address Composed syntax IPAddress Access Read-Only Status Current Parent node swMcastFilterProfileCtrlEntry First child None Description This object specifies end IP address for this range.

	Object name swMcastFilterProfileCtrlRowStatus Object ID 1.3.6.1.4.1.171.12.53.2.1.4 Module MCAST-FILTER-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 swMcastFilterProfileCtrlEntry First child None Description This object indicates the status of this entry.

	Object name swMcastFilterPortGroupTable Object ID 1.3.6.1.4.1.171.12.53.3 Module MCAST-FILTER-MIB
	Base syntax Sequence Of swMcastFilterPortGroupEntry Access Not Accessible Status Current Sequence 1:swMcastFilterPortGroupPortIndex - Integer 2:swMcastFilterPortGroupProfileId - Integer 3:swMcastFilterPortGroupRowStatus - Integer
	Parent node swMcastFilterMgmt First child swMcastFilterPortGroupEntry Description The information of the router port group table.

	Object name swMcastFilterPortGroupEntry Object ID 1.3.6.1.4.1.171.12.53.3.1 Module MCAST-FILTER-MIB
	Base syntax Sequence Access Not Accessible Status Current Index 1.swMcastFilterPortGroupPortIndex 2.swMcastFilterPortGroupProfileId
	Parent node swMcastFilterPortGroupTable First child swMcastFilterPortGroupPortIndex Description A list of information contained in the swMcastFilterPortGroupTable.

	Object name swMcastFilterPortGroupPortIndex Object ID 1.3.6.1.4.1.171.12.53.3.1.1 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 1..65535
	Parent node swMcastFilterPortGroupEntry First child None Description This object indicates the port number for this entry.

	Object name swMcastFilterPortGroupProfileId Object ID 1.3.6.1.4.1.171.12.53.3.1.2 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 1..65535
	Parent node swMcastFilterPortGroupEntry First child None Description This object indicates the profile ID for this entry.

	Object name swMcastFilterPortGroupRowStatus Object ID 1.3.6.1.4.1.171.12.53.3.1.3 Module MCAST-FILTER-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 swMcastFilterPortGroupEntry First child None Description This object indicates the status of this entry.	

	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.	

	Object name swMcastFilterPortAccessEntry Object ID 1.3.6.1.4.1.171.12.53.4.1 Module MCAST-FILTER-MIB
	Base syntax Sequence Access Not Accessible Status Current Index 1.swMcastFilterPortAccessPortIndex
Parent node swMcastFilterPortAccessTable First child swMcastFilterPortAccessPortIndex Description A list of information contained in the swMcastFilterPortAccessTable.	

	Object name swMcastFilterPortAccessPortIndex Object ID 1.3.6.1.4.1.171.12.53.4.1.1 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 1..65535
Parent node swMcastFilterPortAccessEntry First child None Description This object indicates the port number for this entry.	

	Object name swMcastFilterPortAccessState Object ID 1.3.6.1.4.1.171.12.53.4.1.2 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current Value list 1 : permit(1) 2 : deny(2)
Parent node swMcastFilterPortAccessEntry First child None Description This object indicates the access state for this entry.	

	Object name swMcastFilterPortMaxGroupTable Object ID 1.3.6.1.4.1.171.12.53.5 Module MCAST-FILTER-MIB
	Base syntax Sequence Of swMcastFilterPortMaxGroupEntry Access Not Accessible Status Current Sequence 1:swMcastFilterPortMaxGroupPortIndex - Integer 2:swMcastFilterPortMaxGroup - Integer 3:swMcastFilterPortCurrentCount - Integer 4:swMcastFilterPortMaxGroupAction - Integer
Parent node swMcastFilterMgmt First child swMcastFilterPortMaxGroupEntry Description The maximum registered group information of the port table.	

	Object name	swMcastFilterPortMaxGroupEntry
	Object ID	1.3.6.1.4.1.171.12.53.5.1
	Module	MCAST-FILTER-MIB
	Base syntax	Sequence
	Access	Not Accessible
	Status	Current
	Index	1.swMcastFilterPortMaxGroupPortIndex
	Parent node	swMcastFilterPortMaxGroupTable
	First child	swMcastFilterPortMaxGroupPortIndex
	Description	A list of information contained in the swMcastFilterPortMaxGroupTable.

	Object name	swMcastFilterPortMaxGroupPortIndex
	Object ID	1.3.6.1.4.1.171.12.53.5.1.1
	Module	MCAST-FILTER-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Only
	Status	Current
	Value list	1 : 1..65535
	Parent node	swMcastFilterPortMaxGroupEntry
	Description	This object indicates the port number for this entry.

	Object name	swMcastFilterPortMaxGroup
	Object ID	1.3.6.1.4.1.171.12.53.5.1.2
	Module	MCAST-FILTER-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : 0..1024
	Parent node	swMcastFilterPortMaxGroupEntry
	Description	This object indicates the maximum number of groups that can be registered on this port. A value of 0 means infinite.

	Object name	swMcastFilterPortCurrentCount
	Object ID	1.3.6.1.4.1.171.12.53.5.1.3
	Module	MCAST-FILTER-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Only
	Status	Current
	Value list	1 : 0..65535
	Parent node	swMcastFilterPortMaxGroupEntry
	Description	This object indicates the counter of registered groups on this port.

	Object name	swMcastFilterPortMaxGroupAction
	Object ID	1.3.6.1.4.1.171.12.53.5.1.4
	Module	MCAST-FILTER-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Write
	Status	Current
	Value list	1 : drop(1) 2 : replace(2)
	Parent node	swMcastFilterPortMaxGroupEntry
	Description	The action for the group number is up to max group.

	Object name	swMcastFilterVLANGroupEntry
	Object ID	1.3.6.1.4.1.171.12.53.6.1
	Module	MCAST-FILTER-MIB
	Base syntax	Sequence
	Access	Not_Accessible
	Status	Current
	Index	1.swMcastFilterVLANGroupVLANIndex 2.swMcastFilterVLANGroupProfileId
	Parent node	swMcastFilterVLANGroupTable
	First child	swMcastFilterVLANGroupVLANIndex
	Description	A list of information contained in the swMcastFilterVLANGroupTable.

	Object name	swMcastFilterVLANGroupVLANIndex
	Object ID	1.3.6.1.4.1.171.12.53.6.1.1
	Module	MCAST-FILTER-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Only
	Status	Current
	Value list	1 : 1..65535
	Parent node	swMcastFilterVLANGroupEntry
	Description	This object indicates the VLAN number for this entry.

	Object name	swMcastFilterVLANGroupProfileId
	Object ID	1.3.6.1.4.1.171.12.53.6.1.2
	Module	MCAST-FILTER-MIB
	Base syntax	Integer
	Composed syntax	INTEGER
	Access	Read-Only
	Status	Current
	Value list	1 : 1..65535
	Parent node	swMcastFilterVLANGroupEntry
	Description	This object indicates the profile ID for this entry.

	Object name	swMcastFilterVLANGroupRowStatus
	Object ID	1.3.6.1.4.1.171.12.53.6.1.3
	Module	MCAST-FILTER-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	swMcastFilterVLANGroupEntry
	Description	This object indicates the status of this entry.

	Object name	swMcastFilterVLANAccessEntry
	Object ID	1.3.6.1.4.1.171.12.53.7.1
	Module	MCAST-FILTER-MIB
	Base syntax	Sequence
	Access	Not_Accessible
	Status	Current
	Index	1.swMcastFilterVLANAccessVLANIndex
	Parent node	swMcastFilterVLANAccessTable
	First child	swMcastFilterVLANAccessVLANIndex
	Description	A list of information contained in swMcastFilterVLANAccessTable.

	Object name swMcastFilterVLANAccessVLANIndex Object ID 1.3.6.1.4.1.171.12.53.7.1.1 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 1..65535 Parent node swMcastFilterVLANAccessEntry First child None Description This object indicates the VLAN number for this entry.

	Object name swMcastFilterVLANAccessState Object ID 1.3.6.1.4.1.171.12.53.7.1.2 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current Value list 1 : permit(1) 2 : deny(2) Parent node swMcastFilterVLANAccessEntry First child None Description This object indicates the access state for this entry.

	Object name swMcastFilterVLANMaxGroupEntry Object ID 1.3.6.1.4.1.171.12.53.8.1 Module MCAST-FILTER-MIB
	Base syntax Sequence Access Not_Accessible Status Current Index 1.swMcastFilterVLANMaxGroupVLANIndex Parent node swMcastFilterVLANMaxGroupTable First child swMcastFilterVLANMaxGroupVLANIndex Description A list of information contained in swMcastFilterVLANMaxGroupTable.

	Object name swMcastFilterVLANMaxGroupVLANIndex Object ID 1.3.6.1.4.1.171.12.53.8.1.1 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 1..65535 Parent node swMcastFilterVLANMaxGroupEntry First child None Description This object indicates the VLAN number for this entry.

	Object name swMcastFilterVLANMaxGroup Object ID 1.3.6.1.4.1.171.12.53.8.1.2 Module MCAST-FILTER-MIB
	Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current Value list 1 : 0..1024 Parent node swMcastFilterVLANMaxGroupEntry First child None Description This object indicates the maximum number of groups can be registered within this VLAN. A value of 0 means infinite.

<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCmTTable swMcastFilterPortGroupTable swMcastFilterPortAccessTable swMcastFilterPortMaxGroupTable swMcastFilterVLANGroupTable swMcastFilterVLANAccessTable swMcastFilterVLANMaxGroupTable swMcastFilterVLANMaxGroupEntry swMcastFilterVLANMaxGroupVLANIndex swMcastFilterVLANMaxGroup swMcastFilterVLANCurrentCount swMcastFilterVLANMaxGroupAction </pre>	Object name swMcastFilterVLANCurrentCount Object ID 1.3.6.1.4.1.171.12.53.8.1.3 Module MCAST-FILTER-MIB Base syntax Integer Composed syntax INTEGER Access Read-Only Status Current Value list 1 : 0..65535 Parent node swMcastFilterVLANMaxGroupEntry First child None Description This object indicates the counter of registered groups within this VLAN.
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<pre> ee swMcastFilterMgmt swMcastFilterProfileInfoTable swMcastFilterProfileInfoEntry swMcastFilterProfileInfoIndex swMcastFilterProfileInfoDescription swMcastFilterProfileInfoRowStatus swMcastFilterProfileCmTTable swMcastFilterPortGroupTable swMcastFilterPortAccessTable swMcastFilterPortMaxGroupTable swMcastFilterVLANGroupTable swMcastFilterVLANAccessTable swMcastFilterVLANMaxGroupTable swMcastFilterVLANMaxGroupEntry swMcastFilterVLANMaxGroupVLANIndex swMcastFilterVLANMaxGroup swMcastFilterVLANCurrentCount swMcastFilterVLANMaxGroupAction </pre>	Object name swMcastFilterVLANMaxGroupAction Object ID 1.3.6.1.4.1.171.12.53.8.1.4 Module MCAST-FILTER-MIB Base syntax Integer Composed syntax INTEGER Access Read-Write Status Current Value list 1 : drop(1) 2 : replace(2) Parent node swMcastFilterVLANMaxGroupEntry First child None Description The action for the group number is up to max group.
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