

# SNMP:: How to display/delete IMPB blocked entry on DES-3528/52

The screenshot shows a network management console interface. On the left, there is a tree view of SNMP MIB objects. The 'swIpMacBindingBlockedTable' is selected. On the right, a detailed view of this table is shown, including its object name, ID, module, base syntax, access, status, sequence, parent node, first child, and description.

## :: CLI:

```
DES-3528:admin#show address_binding blocked all
Command: show address_binding blocked all
```

VID	VLAN Name	MAC Address	Port
1	default	00-13-D4-FC-0B-1C	1

Total Entries : 1

## :: SNMP Example:

### 1. show address\_binding blocked all

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.2.1
SNMPv2-SMI::enterprises.171.12.23.4.2.1.1.1.0.19.212.252.11.28 = INTEGER: 1
SNMPv2-SMI::enterprises.171.12.23.4.2.1.2.1.0.19.212.252.11.28 = Hex-STRING: 00 13 D4 FC 0B 1C
SNMPv2-SMI::enterprises.171.12.23.4.2.1.3.1.0.19.212.252.11.28 = STRING: "default"
SNMPv2-SMI::enterprises.171.12.23.4.2.1.4.1.0.19.212.252.11.28 = INTEGER: 1
SNMPv2-SMI::enterprises.171.12.23.4.2.1.7.1.0.19.212.252.11.28 = INTEGER: 1
```

### 2. show address\_binding blocked vlan <vlan\_name> mac\_address <macaddr>

⇒ We cannot request a table as CLI displayed, we can request one information at one time, like: `# snmpget -v2c -c private 10.90.90.90 [OID]+[KEY]`. For example:

2.1) get (vid =1, MAC=00-13-D4-FC-0B-1C) swIpMacBindingBlockedPort

```
C:\>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.2.1.4.1.0.19.212.252.11.28
SNMPv2-SMI::enterprises.171.12.23.4.2.1.4.1.0.19.212.252.11.28 = INTEGER: 6
```

2.2) get (vid =1, MAC=00-13-D4-FC-0B-1C) swIpMacBindingBlockedVlanName

```
C:\>snmpget -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.2.1.3.1.0.19.212.252.11.28
SNMPv2-SMI::enterprises.171.12.23.4.2.1.3.1.0.19.212.252.11.28= STRING: "default"
```

### 3. delete address\_binding blocked all

=> We do not support it since there is no MIB node supported.

### 4. delete address\_binding blocked vlan <vlan\_name> mac\_address <macaddr>

Ex: # delete address\_binding blocked vlan\_name default mac\_address 00-13-D4-FC-0B-1C

```
C:\>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.2.1.7.1.0.19.212.252.11.28 i 6
SNMPv2-SMI::enterprises.171.12.23.4.2.1.7.1.0.19.212.252.11.28 = INTEGER: 6
```

## MIB OID:

### 1:swIpMacBindingBlockedVID - Integer

Object name	swIpMacBindingBlockedVID
Object ID	1.3.6.1.4.1.171.12.23.4.2.1.1
Module	IP-MAC-BIND-MIB
Base syntax	Integer
Composed syntax	VlanId
Access	Read-Only
Status	Current
Value list	1 : 1..4094
Parent node	swIpMacBindingBlockedEntry
First child	None
Description	The object specifies the VLAN ID.

### 2:swIpMacBindingBlockedMac - Octet String

Object name	swIpMacBindingBlockedMac
Object ID	1.3.6.1.4.1.171.12.23.4.2.1.2
Module	IP-MAC-BIND-MIB
Base syntax	Octet String
Composed syntax	MacAddress
Access	Read-Only
Status	Current
Value list	1 : 6..6
Parent node	swIpMacBindingBlockedEntry
First child	None
Description	The MAC address that was blocked.

### 3:swIpMacBindingBlockedVlanName - Octet String

Object name	swIpMacBindingBlockedVlanName
Object ID	1.3.6.1.4.1.171.12.23.4.2.1.3
Module	IP-MAC-BIND-MIB
Base syntax	Octet String
Composed syntax	DisplayString
Access	Read-Only
Status	Current
Parent node	swIpMacBindingBlockedEntry
First child	None
Description	This object specifies the VLAN name.

#### 4:swIpMacBindingBlockedPort - Integer

Object name	swIpMacBindingBlockedPort
Object ID	1.3.6.1.4.1.171.12.23.4.2.1.4
Module	IP-MAC-BIND-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Only
Status	Current
Value list	1 : 0..65535
Parent node	swIpMacBindingBlockedEntry
First child	None
Description	The port with which the MAC is associated.

#### 5:swIpMacBindingBlockedType - Integer

Object name	swIpMacBindingBlockedType
Object ID	1.3.6.1.4.1.171.12.23.4.2.1.5
Module	IP-MAC-BIND-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Obsolete
Value list	1 : other(1) 2 : blockByAddrBind(2) 3 : delete(3)
Parent node	swIpMacBindingBlockedEntry
First child	None
Description	The value is always blockByAddrBind. This entry will be deleted when the value is set to 'delete'.

#### 6:swIpMacBindingBlockedTime - Octet String

Object name	swIpMacBindingBlockedTime
Object ID	1.3.6.1.4.1.171.12.23.4.2.1.6
Module	IP-MAC-BIND-MIB
Base syntax	Octet String
Composed syntax	DateAndTime
Access	Read-Only
Status	Current
Value list	1 : 8..8 2 : 11..11
Parent node	swIpMacBindingBlockedEntry
First child	None
Description	This object specifies the last time that this entry was generated.

## 7:swIpMacBindingBlockedStatus - Integer

Object name	swIpMacBindingBlockedStatus
Object ID	1.3.6.1.4.1.171.12.23.4.2.1.7
Module	IP-MAC-BIND-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	swIpMacBindingBlockedEntry
First child	None
Description	The status of this entry. Currently only the destroy (6) option can be used to delete this entry.