

How to setup IMPB on DES-3200 series via SNMP

Add address binding on port 1 with ARP mode

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.1.1.2.10.10.65.54 x
0000000000001 1.3.6.1.4.1.171.12.23.4.1.1.3.10.10.65.54 i 4
1.3.6.1.4.1.171.12.23.4.1.1.4.10.10.65.54 x 80000000
```

```
DGS-3200-10:4#show address_binding ip_mac all
Command: show address_binding ip_mac all

IP Address      MAC Address      Mode  Ports
-----
10.10.65.54     00-00-00-00-00-01  Static  1

Total Entries : 1
```

Change address binding configuration (Example : ports 1-4)

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.1.1.2.10.10.65.54 x
0000000000001 1.3.6.1.4.1.171.12.23.4.1.1.3.10.10.65.54 i 1
1.3.6.1.4.1.171.12.23.4.1.1.4.10.10.65.54 x F0000000
```

```
DGS-3200-10:4#show address_binding ip_mac all
Command: show address_binding ip_mac all

IP Address      MAC Address      Mode  Ports
-----
10.10.65.54     00-00-00-00-00-01  Static  1-4

Total Entries : 1
```

Delete address binding

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.23.4.1.1.2.10.10.65.54 x
0000000000001 1.3.6.1.4.1.171.12.23.4.1.1.3.10.10.65.54 i 6
1.3.6.1.4.1.171.12.23.4.1.1.4.10.10.65.54 x F0000000
```

```
DGS-3200-10:4#show address_binding ip_mac all
Command: show address_binding ip_mac all

IP Address      MAC Address      Mode  Ports
-----

Total Entries : 0
```

		Object name swIpMacBindingTable Object ID 1.3.6.1.4.1.171.12.23.4.1 Module IP-MAC-BIND-MIB Base syntax Sequence Of swIpMacBindingEntry Access Not_Accessible Status Current Sequence 1:swIpMacBindingIpIndex - IP Address 2:swIpMacBindingMac - Octet String 3:swIpMacBindingStatus - Integer 4:swIpMacBindingPorts - Octet String 5:swIpMacBindingAction - Integer 6:swIpMacBindingMode - Integer Parent node swIpMacBindingMgmt First child swIpMacBindingEntry Description This table specifies IP-MAC binding information.
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		Object name swIpMacBindingEntry Object ID 1.3.6.1.4.1.171.12.23.4.1.1 Module IP-MAC-BIND-MIB Base syntax Sequence Access Not_Accessible Status Current Index 1.swIpMacBindingIpIndex Parent node swIpMacBindingTable First child swIpMacBindingIpIndex Description IP-MAC binding entry used to add/delete/configure the address pair of the switch's authorized user database.
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		Object name swIpMacBindingIpIndex Object ID 1.3.6.1.4.1.171.12.23.4.1.1.1 Module IP-MAC-BIND-MIB Base syntax IP Address Composed syntax IpAddress Access Read-Only Status Current Parent node swIpMacBindingEntry First child None Description The IP address of IP-MAC binding.
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		Object name swIpMacBindingMac Object ID 1.3.6.1.4.1.171.12.23.4.1.1.2 Module IP-MAC-BIND-MIB Base syntax Octet String Composed syntax MacAddress Access Read-Create Status Current Value list 1 : 6..6 Parent node swIpMacBindingEntry First child None Description The MAC address of IP-MAC binding.
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<ul style="list-style-type: none"> swIpMacBindingTable <ul style="list-style-type: none"> swIpMacBindingEntry <ul style="list-style-type: none"> swIpMacBindingPlIndex swIpMacBindingMac swIpMacBindingStatus swIpMacBindingPorts swIpMacBindingAction swIpMacBindingMode swIpMacBindingBlockedTable <ul style="list-style-type: none"> swIpMacBindingBlockedEntry <ul style="list-style-type: none"> swIpMacBindingBlockedVID swIpMacBindingBlockedMac swIpMacBindingBlockedVlanName swIpMacBindingBlockedPort swIpMacBindingBlockedType swIpMacBindingBlockedTime 		<p>Object name: swIpMacBindingStatus Object ID: 1.3.6.1.4.1.171.12.23.4.1.1.3 Module: IP-MAC-BIND-MIB</p> <p>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)</p> <p>Parent node: swIpMacBindingEntry First child: None Description: The status of this entry.</p>
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<ul style="list-style-type: none"> swIpMacBindingTable <ul style="list-style-type: none"> swIpMacBindingEntry <ul style="list-style-type: none"> swIpMacBindingPlIndex swIpMacBindingMac swIpMacBindingStatus swIpMacBindingPorts swIpMacBindingAction swIpMacBindingMode swIpMacBindingBlockedTable <ul style="list-style-type: none"> swIpMacBindingBlockedEntry <ul style="list-style-type: none"> swIpMacBindingBlockedVID swIpMacBindingBlockedMac swIpMacBindingBlockedVlanName 		<p>Object name: swIpMacBindingPorts Object ID: 1.3.6.1.4.1.171.12.23.4.1.1.4 Module: IP-MAC-BIND-MIB</p> <p>Base syntax: Octet String Composed syntax: PortList Access: Read-Create Status: Current Value list: 1 : 0..127</p> <p>Parent node: swIpMacBindingEntry First child: None Description: The port members of this entry.</p>
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<ul style="list-style-type: none"> swIpMacBindingTable <ul style="list-style-type: none"> swIpMacBindingEntry <ul style="list-style-type: none"> swIpMacBindingPlIndex swIpMacBindingMac swIpMacBindingStatus swIpMacBindingPorts swIpMacBindingAction swIpMacBindingMode swIpMacBindingBlockedTable <ul style="list-style-type: none"> swIpMacBindingBlockedEntry <ul style="list-style-type: none"> swIpMacBindingBlockedVID swIpMacBindingBlockedMac swIpMacBindingBlockedVlanName swIpMacBindingBlockedPort 		<p>Object name: swIpMacBindingAction Object ID: 1.3.6.1.4.1.171.12.23.4.1.1.5 Module: IP-MAC-BIND-MIB</p> <p>Base syntax: Integer Composed syntax: INTEGER Access: Read-Only Status: Current Value list: 1 : inactive(1) 2 : active(2)</p> <p>Parent node: swIpMacBindingEntry First child: None Description: The action of this entry.</p>
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<ul style="list-style-type: none"> swIpMacBindingTable <ul style="list-style-type: none"> swIpMacBindingEntry <ul style="list-style-type: none"> swIpMacBindingPlIndex swIpMacBindingMac swIpMacBindingStatus swIpMacBindingPorts swIpMacBindingAction swIpMacBindingMode swIpMacBindingBlockedTable <ul style="list-style-type: none"> swIpMacBindingBlockedEntry <ul style="list-style-type: none"> swIpMacBindingBlockedVID swIpMacBindingBlockedMac swIpMacBindingBlockedVlanName swIpMacBindingBlockedPort swIpMacBindingBlockedType 		<p>Object name: swIpMacBindingMode Object ID: 1.3.6.1.4.1.171.12.23.4.1.1.6 Module: IP-MAC-BIND-MIB</p> <p>Base syntax: Integer Composed syntax: INTEGER Access: Read-Create Status: Current Value list: 1 : arp(1) 2 : acl(2)</p> <p>Parent node: swIpMacBindingEntry First child: None Description: The mode of this entry.</p>
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