

How to configure MBA via SNMP on DGS-3120

MIB: Mac-Based-Authentication-MIB (mba.mib)

OIDs:

Global State

1.3.6.1.4.1.171.12.35.1.1

The screenshot shows a tree view on the left with 'swMacBasedAuthState' selected. The right pane displays the following details:

Object name	swMacBasedAuthState
Object ID	1.3.6.1.4.1.171.12.35.1.1
Module	Mac-Based-Authentication-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : disabled(1) 2 : enabled(2)
Parent node	swMBACtrl
First child	None
Description	This object enables or disables the MAC-based Access Control status of the device.

Method

1.3.6.1.4.1.171.12.35.1.2

The screenshot shows a tree view on the left with 'swMacBasedAuthMethod' selected. The right pane displays the following details:

Object name	swMacBasedAuthMethod
Object ID	1.3.6.1.4.1.171.12.35.1.2
Module	Mac-Based-Authentication-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : local(1) 2 : radius(2)
Parent node	swMBACtrl
First child	None
Description	This object indicates the type of authentication method. The RADIUS method is authenticated per authentication server.

Port State

1.3.6.1.4.1.171.12.35.3.1.1.2

The screenshot shows a tree view on the left with 'swMacBasedAuthPortState' selected. The right pane displays the following details:

Object name	swMacBasedAuthPortState
Object ID	1.3.6.1.4.1.171.12.35.3.1.1.2
Module	Mac-Based-Authentication-MIB
Base syntax	Integer
Composed syntax	INTEGER
Access	Read-Write
Status	Current
Value list	1 : enabled(1) 2 : disabled(2)
Parent node	swMacBasedAuthPortEntry
First child	None
Description	This object enables or disables the authentication state of this port.

Examples:

enable mac_based_access_control

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.35.1.1.0 i 2  
SNMPv2-SMI::enterprises.171.12.35.1.1.0 = INTEGER: 2
```

config mac_based_access_control method local

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.35.1.2.0 i 1  
SNMPv2-SMI::enterprises.171.12.35.1.2.0 = INTEGER: 1
```

config mac_based_access_control ports 1 state enable

```
snmpset -v 2c -c private 10.90.90.90 1.3.6.1.4.1.171.12.35.3.1.1.2.1 i 1  
SNMPv2-SMI::enterprises.171.12.35.3.1.1.2.1 = INTEGER: 1
```

For creating FDB entries, please refer to the file below:



How to create
FDB static entry via