

How to configure MAC-Based Access Control on DGS-3100 series?

DGS-3100 series do not support `mac_based_access_control` with Local Database in current design. However, `mac_based_access_control` with RADIUS server supported. Please refer to the following configuration example.

[Topology]

Client_172.17.2.10/24_000d60754639 --- (port 1) DGS-3100-24TG_172.17.2.254/24 (port 7) -
-- FreeRADIUS_Server_172.17.2.111/24

[Configuration]

```
config ipif System ipaddress 172.17.2.254/24
create vlan vlan10 tag 10
config vlan vlan10 add untagged 1-6
create authen server_host 172.17.2.111 protocol radius port 1812 key 1234 priority first
```

```
enable mac_based_access_control
config mac_based_access_control ports 1-6 state enable
```

```
enable 802.1x
config 802.1x auth_protocol radius
config 802.1x auth_parameter ports 1-6 port_control auto enable_reauth enable
config 802.1x auth_mode ports 1-6 mac_based
create 802.1x guest_vlan vlan10
config 802.1x guest_vlan ports 1-6 state enable
```

[Server Settings]

```
# eap.conf
```

```
default_eap_type = md5 ( default = tls )
```

```
# client.conf
```

```
client 172.17.2.254/24 {
  secret = 1234
  shortname = D-Link
}
```

```
# users.conf
```

```
000d60754639    User-Password == "000d60754639"
```