

How to configure **DHCP Local Relay**

via NETSNMP in **DES-3200-28**

The OIDs are defined in "[des3200-28-L2mgmt.mib](#)".

swL2DhcpLocalRelayMgmt (1.3.6.1.4.1.171.11.113.1.3.2.24)

| | |
|-----------------|--|
| Object name | swL2DhcpLocalRelayState |
| Object ID | 1.3.6.1.4.1.171.11.113.1.3.2.24.1 |
| Module | DES3200-28-L2MGMT-MIB |
| Base syntax | Integer |
| Composed syntax | INTEGER |
| Access | Read-Write |
| Status | Current |
| Value list | 1 : other(1) 2 : disabled(2) 3 : enabled(3) |
| Parent node | swL2DhcpLocalRelayMgmt |
| First child | None |
| Description | This object indicates the status of the DHCP local relay function of the switch. |
| Object name | swL2DhcpLocalRelayVLANTable |
| Object ID | 1.3.6.1.4.1.171.11.113.1.3.2.24.2 |
| Module | DES3200-28-L2MGMT-MIB |
| Base syntax | Sequence Of swL2DhcpLocalRelayVLANEntry |
| Access | Not_Accessible |
| Status | Current |
| Sequence | 1:swL2DhcpLocalRelayVLANID - Integer 2:swL2DhcpLocalRelayVLANState - Integer |
| Parent node | swL2DhcpLocalRelayMgmt |
| First child | swL2DhcpLocalRelayVLANEntry |
| Description | This table is used to manage the DHCP local relay status for each VLAN. |

1) For global state

swL2DhcpLocalRelayState (1.3.6.1.4.1.171.11.113.1.3.2.24.1.0) – Integer

⇒ i 2 : Disable

⇒ i 3 : Enable

Enable global state (i = 3)

a) Configure via SNMP

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.1.0 i 3
```

```
C:\Documents and Settings\Administrator>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.1.0 i 3
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.1.0 = INTEGER: 3
```

b) Result via CLI

```
DES-3200-28:5#show dhcp_local_relay
Command: show dhcp_local_relay
DHCP/BOOTP Local Relay Status : Enabled
```

Disable global state (i = 2)

a) Configure via SNMP

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.1.0 i 2
```

```
C:\Documents and Settings\Administrator>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.1.0 i 2
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.1.0 = INTEGER: 2
```

b) Result via CLI

```
DES-3200-28:5#show dhcp_local_relay
Command: show dhcp_local_relay
DHCP/BOOTP Local Relay Status : Disabled
```

2) Display VLAN ID

swL2DhcpLocalRelayVLANID (1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.1)

Display

```
snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.1
```

```
C:\Documents and Settings\Administrator>snmpwalk -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.1
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.2.1.1.1 = INTEGER: 1
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.2.1.1.20 = INTEGER: 20
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.2.1.1.30 = INTEGER: 30
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.2.1.1.999 = INTEGER: 999
```

3) For specific VLAN

swL2DhcpLocalRelayVLANState (1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.2.VID) – Integer

⇒ i 2 : Disable

⇒ i 3 : Enable

Enable specific VLAN ID state (i = 3)

a) Configure via SNMP (VID = 999)

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.2.999 i 3
```

```
C:\Documents and Settings\Administrator>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.2.999 i 3
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.2.1.2.999 = INTEGER: 3
```

b) Result via CLI

```
DES-3200-28:5#show dhcp_local_relay
Command: show dhcp_local_relay

DHCP/BOOTP Local Relay Status      : disabled
DHCP/BOOTP Local Relay VID LIST    : 30,999
```

Disable specific VLAN ID state (i = 2)

a) Configure via SNMP (VID = 30)

```
snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.2.30 i 2
```

```
C:\Documents and Settings\Administrator>snmpset -v2c -c private 10.90.90.90 1.3.6.1.4.1.171.11.113.1.3.2.24.2.1.2.30 i 2
SNMPv2-SMI::enterprises.171.11.113.1.3.2.24.2.1.2.30 = INTEGER: 2
```

b) Result via CLI

```
DES-3200-28:5#show dhcp_local_relay
Command: show dhcp_local_relay

DHCP/BOOTP Local Relay Status      : disabled
DHCP/BOOTP Local Relay VID LIST    : 999
```