

3.32.0.95. MA4000-PX. SNMP

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, , .



, , , .

ONT



OID MIB-.

, , , (. . 5, 6).

ONT (<dec_serial>), 8 , .

:

| | snmp |
|-------------------------|-------------------------|
| ELTX24A80012 | 69.76.84.88.36.168.0.18 |
| 45-4C-54-58-00-00-00-01 | 69.76.84.88.0.0.0.1 |

ONT OID- ONT. :

| Management | ltp8xONTManagementProfileTable |
|---------------|----------------------------------|
| Ports | ltp8xONTPortsProfileTable |
| Shaping | ltp8xONTShapingProfileTable |
| Scripting | ltp8xONTScriptingProfileTable |
| DBA | ltp8xONTAllocProfileTable |
| Cross-connect | ltp8xONTCrossConnectProfileTable |

unassigned, 65535.

ONT :

- ltp8xONTConfigTable – ;
- ltp8xONTCustomCrossConnectTable – custom-;
- ltp8xONTFullServicesConfigTable – Cross-Connect DBA;
- ltp8xONTSelectiveTunnelTable – selective-tunnel uvids.

ONT , gpon- ONT ID.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTConfigRowStatus.<slot>.8.<dec_serial> i 4
ltp8xONTConfigChannel.<slot>.8.<dec_serial> u <gpon_port>
ltp8xONTConfigID.<slot>.8.<dec_serial> u <ont_id>
```

:

- <gpon_port> – .

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.15.8.69.76.84.88.36.168.0.18 i 4
ltp8xONTConfigChannel.15.8.69.76.84.88.36.168.0.18 u 6
ltp8xONTConfigID.15.8.69.76.84.88.36.168.0.18 u 0
```

ONT 6/0 ELTX24A80012.

ONT

ONT *ltp8xONTConfigTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.<slot>.8.<dec_serial> <par1_type> <par1_value>
<parameter_oid_2>.<slot>.8.<dec_serial> <par2_type> <par2_value>
.....
<parameter_oid_N>.<slot>.8.<dec_serial> <parN_type> <parN_value>
```

:

- <parameter_oid_N> – MIB;
- <parN_type> – ;
- <parN_value> – .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTConfigDescription.15.8.69.76.84.88.36.168.0.18 s
"ont_description"
ltp8xONTConfigManagementProfile.15.8.69.76.84.88.36.168.0.18 u 1
ltp8xONTConfigFecUp.15.8.69.76.84.88.36.168.0.18 i 1
```

ONT ELTX24A80012 *description*, Management .

Cross-Connect DBA

Cross-Connect DBA *ltp8xONTFullServicesConfigTable*. custom-, - , , .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFullServicesConfigCrossConnectProfile.<slot>.8.<dec_serial>.<service> u <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTFullServicesConfigCrossConnectProfile.15.8.69.76.84.88.36.168.0.18.8 u 1
ltp8xONTFullServicesConfigDBAProfile.15.8.69.76.84.88.36.168.0.18.8 u 2
```

ONT ELTX24A80012 Cross-Connect 1 DBA 2 7.

Custom Cross-Connect

Custom Cross-Connect *ltp8xONTCustomCrossConnectTable*. - , , .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTCustomCrossConnectEnabled.<slot>.8.<dec_serial>.<service> i <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTCustomCrossConnectEnabled.15.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectVID.15.8.69.76.84.88.36.168.0.18.3 i 100
ltp8xONTCustomCrossConnectCOS.15.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectSVID.15.8.69.76.84.88.36.168.0.18.3 i 200
```

ONT ELTX24A80012 Custom Cross Connect 2 cvid=100, svid = 200, cos = 1.

Selective-tunnel uvids

Selective-tunnel uvids *ltp8xONTSelectiveTunnelTable*, – *selective-tunnel uvid*. 1 42. *uvid*, ., uvid 1 2, uvid 3.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTSelectiveTunnelUVID.<slot>.8.<dec_serial>.<service>.<uvid_id> i
<SelectiveTunnelUVID_value>
```

:

- <SelectiveTunnelUVID_value> – selective-tunnel uvid.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTSelectiveTunnelUVID.15.8.69.76.84.88.36.168.0.18.8.1 i 200
```

ONT ELTX24A80012 selective-tunnel uvid = 200 7.

PoE

PoE ONT *ltp8xOntConfigUniPortTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.1.8.<dec_serial>.<port_number> <par1_type> <par1_value>
<parameter_oid_2>.<slot>.8.<dec_serial>.<port_number> <par2_type> <par2_value>
```

.....

```
<parameter_oid_N>.<slot>.8.<dec_serial>.<port_number> <parN_type> <parN_value>
```

PoE :

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOntConfigUniPortRowStatus.<slot>.8.<dec_serial>.<port_number> i 6
```

:

- <parameter_oid_N> – MIB;
- <parN_type> – ;
- <parN_value> – ;
- <port_number> – .

:

```
snmpset -v2c -c private 192.168.10.151
ltp8xOntConfigUniPortRowStatus.15.8.69.76.84.88.130.0.0.2.1 i 4
ltp8xONTPrtsUNIPoeEnable.15.8.69.76.84.88.130.0.0.2.1 i 1
ltp8xONTPortsUNIPoeClassControl.15.8.69.76.84.88.130.0.0.2.1 u 1
ltp8xONTPortsUNIPoePowerPriority.15.8.69.76.84.88.130.0.0.2.1 u 3
```

ONT

:

```
snmpset -v2c -c <rw_community> <ipaddr>
```

```
ltp8xONTConfigRowStatus.<slot>.8.<dec_serial> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.15.8.69.76.84.88.36.168.0.18 i 6
```

ONT ELTX24A80012.

ONT

ONT .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReconfigure.<slot>.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReconfigure.15.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReset.<slot>.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReset.15.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateResetToDefaults.<slot>.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateResetToDefaults.15.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTDisableONTSerial.0 x
<hex_serial> ltp8xONTDisableChannel.0 u <gpon_port>
ltp8xONTDisableActionDisable.0 u 1
```

:

- <hex_serial> – hex-;
- <gpon_port> – .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTDisableONTSerial.0 x
"454C545824A80012" ltp8xONTDisableChannel.0 u 6
ltp8xONTDisableActionDisable.0 u 1
```

ONT ELTX24A80012 6- .

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTDisableONTSerial.0 x
<hex_serial> ltp8xONTDisableChannel.0 u <ont_channel>
ltp8xONTDisableActionEnable.0 u 1
```

:

- <hex_serial> – hex-;
- <ont_channel> – gpon-.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTDisableONTSerial.0 x
"454C545824A80012" ltp8xONTDisableChannel.0 u 6
ltp8xONTDisableActionEnable.0 u 1
```

ONT ELTX24A80012 6- 14.

ONT OMCI

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFirmwareUpdateViaOMCISlot.0 u <slot>
ltp8xONTFirmwareUpdateViaOMCISerial.0 x <hex_serial>
ltp8xONTFirmwareUpdateViaOMCIFilename.0 s <firmware_name>
ltp8xONTFirmwareUpdateViaOMCIAction.0 u 1
```

:

- <hex_serial> – hex-;
- <firmware_name> – ONT, OLT.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwareUpdateViaOMCISerial.0 x
"454C545824A80012" ltp8xONTFirmwareUpdateViaOMCIFilename.0 s "ntp-rg-revc
3.24.3.41.fw.bin" ltp8xONTFirmwareUpdateViaOMCIAction.0 u 1
```

ONTELTX24A80012 "ntp-rg-revc-3.24.3.41.fw.bin".

ONT

ONT *ltp8xONTStateTable*.

:

```
snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.8.<dec_serial>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTStateState.15.8.69.76.84.88.36.168.0.18
ltp8xONTStateVersion.15.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012.

PPP-

MAC- ONT :

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsClientMac.<slot>.<gpon_port>.<ont_id>
```

:

- <gpon_port> – , 1.

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xOLTPPPoESessionsClientMac.11.7.0
```

MAC- ONT 14/6/0.

PPPoE- gpon-, ONT ID MAC-.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsPort.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSessionID.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsDuration.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsUnblock.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSerial.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
```

:

- <gpon_port> – , 1;
- <dec_client_mac> – MAC- .

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTPPPoESessionsPort.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsSessionID.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsDuration.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsUnblock.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsSerial.15.6.0.6.152.222.208.0.205.252
```

PPP- MAC- 98:de:d0:00:cd:fc ONT14/6/0.

MAC-

ltp8xONTAddressTable. ONT .

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTAddressEntryID.<slot>.8.<dec_serial>
```

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTAddressEntryID.15.8.69.76.84.88.36.168.0.18
```

MAC- ONT ELTX24A80012.

MAC- ONT ID- ONT.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<entry_id>
```

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTAddressMacAddress.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressCVID.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressSVID.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressUVID.15.8.69.76.84.88.36.168.0.18.1
```

MAC-, CVID, SVID, UVID 1- MAC- ONT ELTX24A80012.

IGMP-

ltp8xONTMulticastStatsTable. ONT .

```
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTMulticastStatsRecordID.<slot>.8.<dec_serial>
```

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsRecordID.15.8.69.76.84.88.36.168.0.18
```

IGMP- ONT ELTX24A80012.

IGMP- ONT ID- IGMP- ONT.

```
snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<entry_id>
```

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsMulticastAddress.15.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStop.15.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStart.15.8.69.76.84.88.36.168.0.18.153
```

IP-, 153- IGMP- ONT ELTX24A80012 c 14- .

ONT

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTConnectionLogText.<slot>.8.<dec_serial>
```

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTConnectionLogText.15.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012 c 14- .

ONT

ltp8xONTStatistics.

Cross-connect

OID .

1 – ONT OID

| | OID | |
|-------------------------|---|--------------|
| CrossConnect downstream | ltp8xONTCrossConnectDSCounterName | CrossConnect |
| | ltp8xONTCrossConnectDSCounterValue | CrossConnect |
| CrossConnect upstream | ltp8xONTCrossConnectUSCounterName | CrossConnect |
| | ltp8xONTCrossConnectUSCounterValue | CrossConnect |
| GEM downstream | ltp8xONTGEMPortPerformMonitoringDSCounterName | GEM |
| | ltp8xONTGEMPortPerformMonitoringDSCounterValue | GEM |
| GEM upstream | ltp8xONTGEMPortPerformMonitoringUSCounterName | GEM |
| | ltp8xONTGEMPortPerformMonitoringUSCounterValue | GEM |
| GAL | ltp8xONTGalEthPerformMonitoringHistDataCounterName | GAL |
| | ltp8xONTGalEthPerformMonitoringHistDataCounterValue | GAL |
| FEC | ltp8xONTFecPerformMonitoringHistDataCounterName | FEC |
| | ltp8xONTFecPerformMonitoringHistDataCounterValue | FEC |

:

**snmpwalk -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<cross_connect_id>**

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTCrossConnectDSCounterName.15.8.69.76.84.88.36.168.0.18.1
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTCrossConnectDSCounterValue.15.8.69.76.84.88.36.168.0.18.1
```

Cross-Connect downstream, 1- ONT ELTX24A80012.

ETH-

ltp8xONTUNIPortsStateTable.

:

**snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTUNIPortsStateAvailable.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateLinkUp.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateSpeed.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateDuplex.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEEnabled.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPowerDetectionStatus.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPowerClassificationStatus.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPSEClassControl.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPSEPowerPriority.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoECurrentPowerConsumption.<slot>.8.<dec_serial>.<eth_port_id>**

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTUNIPortsStateAvailable.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateLinkUp.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateSpeed.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateDuplex.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEEnabled.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPowerDetectionStatus.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPowerClassificationStatus.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPSEClassControl.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPSEPowerPriority.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoECurrentPowerConsumption.15.8.69.76.84.88.36.168.0.18.1
```

1- ETH- ONT ELTX24A80012 14- .

ETH-

OID .

2 – ETH- OID

| | OID | |
|-------------------------|---|--------------|
| ETH extended downstream | ltp8xONTEthFrameExtendedPerformMonitoringDSCounterName | ETH extended |
| | ltp8xONTEthFrameExtendedPerformMonitoringDSCounterValue | ETH extended |
| ETH extended upstream | ltp8xONTEthFrameExtendedPerformMonitoringUSCounterName | ETH extended |
| | ltp8xONTEthFrameExtendedPerformMonitoringUSCounterValue | ETH extended |
| ETH | ltp8xONTEthPerformMonitoringHistDataCounterName | ETH |
| | ltp8xONTEthPerformMonitoringHistDataCounterValue | ETH |

:

**snmpwalk -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<eth_port_id>**

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterName.15.8.69.76.84.88.36.168.0.18.1
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterValue.15.8.69.76.84.88.36.168.0.18.1
```

ETH extended downstream, 1- ETH- ONT ELTX24A80012.

ONT

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTResetCountersAction.<slot>.8.<dec_serial> u 1**

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTResetCountersAction.15.8.69.76.84.88.36.168.0.18 u 1
```

ONT ELTX24A80012 14 .

GPON-

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xPONChannelResetCounters.<slot>.<gpon_port> u 1**

:

- <gpon_port> – , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelResetCounters.15.7 u 1
```

GPON- 14/6.

OLT

commit/confirm :

:

snmpset -v2c -c <rw_community> <ipaddr> eltexRowStatus.100 i 4

:

```
snmpset -v2c -c private 192.168.0.1 eltexRowStatus.100 i 4
```

pp4x.

Commit

:

snmpset -v2c -c <rw_community> -t 20 <ipaddr> eltexSourceFileType.100 i 6 eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "candidate" eltexDestinationFileType.100 i 5 eltexDestinationLocation.100 i 8 eltexDestinationFileName.100 s "running"

:

```
snmpset -v2c -c private -t 20 192.168.0.1 eltexSourceFileType.100 i 6
eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "candidate"
eltexDestinationFileType.100 i 5 eltexDestinationLocation.100 i 8
eltexDestinationFileName.100 s "running"
```

Confirm

:

snmpset -v2c -c <rw_community> -t 20 <ipaddr> eltexSourceFileType.100 i 5 eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "running" eltexDestinationFileType.100 i 9 eltexDestinationLocation.100 i 8 eltexDestinationFileName.100 s "confirm"

:

```
snmpset -v2c -c private -t 20 192.168.0.1 eltexSourceFileType.100 i 5
eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "running"
eltexDestinationFileType.100 i 9 eltexDestinationLocation.100 i 8
eltexDestinationFileName.100 s "confirm"
```

VLAN (PP4X/PLC8)

PP4X

VLAN PP4X *dot1qVlanStaticTable.*

VLAN

VLAN - VLAN.

VLAN , 1 N- () ifIndex = N . snmpset hex-

:

- EgressPorts -- VLAN;
- ForbiddenEgressPorts -- , VLAN;

- UntaggedPorts – - VLAN ,
untagged, – tagged.

ifTable MA4000 – , , port-channel :

- AAA0AAA0AAA022AAAA0AAA0AAA022A00FFFF00.

port-channel , 16- , port-channel 1 2, :

- AAA0AAA0AAA022AAAA0AAA0AAA022A00FFFF00.

;

```
snmpset -v2c -c <rw_community> <ipaddr>
dot1qVlanStaticRowStatus.<vlan_id> i 4 dot1qVlanStaticName.<vlan_id> s
"<vlan_name>" dot1qVlanStaticEgressPorts.<vlan_id> x "<ports_mask>"
dot1qVlanForbiddenEgressPorts.<vlan_id> x "<ports_mask>"
dot1qVlanStaticUntaggedPorts.<vlan_id> x "<ports_mask>"
```

;

```
snmpset -v2c -c private 192.168.0.1 dot1qVlanStaticRowStatus.72 i 4
dot1qVlanStaticName.72 s "created_by_snmp" dot1qVlanStaticEgressPorts.72
x "0000000000000000000000000000000000000000000000000000000000000000"
dot1qVlanForbiddenEgressPorts.72 x
"AAA0AAA0AAA022AA820AAA0AAA022A00FFFF00" dot1qVlanStaticUntaggedPorts.72
x "AAA0AAA0AAA022AA20AAA0AAA022A00FFFF00"
```

VLAN 72 "created_by_snmp", VLAN frontport 2/3 (untagged) front-port 2/4(tagged).

VLAN

VLAN VLAN, *dot1qVlanStaticRowStatus*.

VLAN

;

```
snmpset -v2c -c <rw_community> <ipaddr> dot1qVlanStaticRowStatus.<vlan_id> i 6
```

;

```
snmpset -v2c -c private 192.168.0.1 dot1qVlanStaticRowStatus.72 i 6
```

VLAN 72 PP4X.

VLAN, VLAN

VLAN :

;

```
snmpwalk -v2c -c <ro_community> <ipaddr> dot1qVlanStaticName
```

;

```
snmpwalk -v2c -c public 192.168.0.1 dot1qVlanStaticName
```

VLAN PP4X.

VLAN :

;

```
snmpget -v2c -c <ro_community> <ipaddr> dot1qVlanStaticName.<vid>
dot1qVlanStaticEgressPorts.<vid> dot1qVlanForbiddenEgressPorts.<vid>
dot1qVlanStaticUntaggedPorts.<vid>
```

;

```
snmpget -v2c -c public 192.168.0.1 dot1qVlanStaticName.72
dot1qVlanStaticEgressPorts.72 dot1qVlanForbiddenEgressPorts.72
dot1qVlanStaticUntaggedPorts.72
```

VLAN PP4X.

PLC

VLAN PLC8 *ltp8xSwitchVLANTable*.

VLAN

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xSwitchVLANRowStatus.<slot>.<vid> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.15.156 i 4
```

VLAN 156 14 PLC.

VLAN

VLAN , 1 N- () c N . *ltp8xSwitchPortsTable*. snmpset hex-

: *TaggedPorts UntaggedPorts*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANName.<slot>.<vid>
s "vlan_name" ltp8xSwitchVLANTaggedPorts.<slot>.<vid> x
"<tagged_ports_mask>" ltp8xSwitchVLANUntaggedPorts.<slot>.<vid> x
"<untagged_ports_mask>" ltp8xSwitchVLANIGMPSnoopingEnabled.<slot>.<vid> i
1/2 ltp8xSwitchVLANMLDSnoopingEnabled.<slot>.<vid> i 1/2
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xSwitchVLANName.15.156 s "edited_by_snmp"
ltp8xSwitchVLANTaggedPorts.15.156 x "40000000"
ltp8xSwitchVLANUntaggedPorts.15.156 x "20000000"
ltp8xSwitchVLANIGMPSnoopingEnabled.15.156 i 1
ltp8xSwitchVLANMLDSnoopingEnabled.15.156 i 2
```

VLAN 156 14 PLC, "edited_by_snmp", pon-port 1 tagged, pon-port 2 untagged IGMP snooping.

VLAN

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANRowStatus.<slot>.<vid> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.15.156 i 6
```

VLAN 156 14- PLC8

VLAN, VLAN

VLAN :

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.<slot>
```

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.15
```

VLAN 14- PLC8.

VLAN :

:

```
snmpget -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.<slot>.<vid>
ltp8xSwitchVLANTaggedPorts.<slot>.<vid>
ltp8xSwitchVLANUntaggedPorts.<slot>.<vid>
ltp8xSwitchVLANIGMPSnoopingEnabled.<slot>.<vid>
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.<slot>.<vid>
ltp8xSwitchVLANMLDSnoopingEnabled.<slot>.<vid>
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.<slot>.<vid>
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.15.156
ltp8xSwitchVLANTaggedPorts.15.156 ltp8xSwitchVLANUntaggedPorts.15.156
ltp8xSwitchVLANIGMPSnoopingEnabled.15.156
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.15.156
ltp8xSwitchVLANMLDSnoopingEnabled.15.156
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.15.156
```

VLAN 14- PLC8.

Terminal VLAN

Terminal VLAN *ltp8xOLTTerminalVLANsNamesTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesRowStatus.<t_vlan_id> i 4
ltp8xOLTTerminalVLANsNamesName.<t_vlan_id> s "<t_vlan_name>"
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xOLTTerminalVLANsNamesRowStatus.1 i 4
ltp8xOLTTerminalVLANsNamesName.1 s "created_by_snmp"
```

Terminal VLAN 1 "created_by_snmp".

Terminal VLAN *ltp8xOLTTerminalVLANsTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsVID.<t_vlan_id> u <vlan_id>
ltp8xOLTTerminalVLANsCOS.<t_vlan_id> i <cos>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xOLTTerminalVLANsVID.15.1 u 80
ltp8xOLTTerminalVLANsCOS.15.1 i 255
```

Terminal VLAN 1 vlan_id = 80, cos = unused.

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesRowStatus.<t_vlan_id> i 6

```
snmpset -v2c -c private 192.168.0.1  
ltp8xOLTTerminalVLANsNamesRowStatus.1 i 6
```

Terminal VLAN 1 .

Terminal VLAN, Terminal VLAN

Terminal VLAN :

snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesName

```
snmpwalk -v2c -c public 192.168.0.1  
ltp8xOLTTerminalVLANsNamesName
```

Terminal VLAN.

VLAN :

snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTTerminalVLANsName.<t_vlan_id>
ltp8xOLTTerminalVLANsVID.<t_vlan_id>
ltp8xOLTTerminalVLANsCOS.<t_vlan_id>

```
snmpget -v2c -c public 192.168.0.1  
ltp8xOLTTerminalVLANsName.15.1  
ltp8xOLTTerminalVLANsVID.15.1  
ltp8xOLTTerminalVLANsCOS.15.1
```

Terminal VLAN 14- PLC8.

IGMP/MLD

IGMP/MLD Snooping, Proxy Report

IGMP/MLD PP4X *pp4IGMPConfig* *ltp8xSwitchIGMPSnoopingTable* *ltp8xIGMPProxyReportTable*. OID .

3 – OID

| | | |
|-------------------|--------------------------|--------------------------------|
| | OID | |
| PP4X | | |
| IGMP Snooping | pp4IGMPSnoopingEnable | : 1 – Enable 2 – Disable |
| IGMP Proxy Report | pp4IGMPProxyReportEnable | |
| MLD Snooping | pp4MLDSnoopingEnable | |
| MLD Proxy Report | pp4MLDProxyReportEnable | |
| PLC8 | | |

| | | |
|-------------------|--------------------------------|--------------------------------|
| IGMP Snooping | ltp8xSwitchIGMPSnoopingEnabled | : 1 – Enable 2 – Disable |
| IGMP Proxy Report | ltp8xIGMPProxyReportEnabled | |
| MLD Snooping | ltp8xSwitchMLDSnoopingEnabled | |
| MLD Proxy Report | ltp8xMLDProxyReportEnabled | |

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.<slot> i <value>

<slot> – : 0 – PP4X, 1..16 – PLC8.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchIGMPSnoopingEnabled.0 i 1
```

IGMP Snooping PP4X.

IGMP Snooping, Querier VLAN

PP4X

| | OID | |
|---------------|-----------------------------------|--------------------------------|
| IGMP Snooping | pp4IGMPSnoopingVLANEnabled | : 1 – Enable 2 – Disable |
| IGMP Querier | pp4IGMPSnoopingVLANQuerierEnabled | |
| MLD Snooping | pp4MLDSnoopingVLANEnabled | |
| MLD Querier | pp4MLDSnoopingVLANQuerierEnabled | |

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.<vid> i <value>

:

```
snmpset -v2c -c private 192.168.0.1 pp4IGMPSnoopingVLANEnabled.86 i 1
```

IGMP Snooping VLAN 86 PP4X.

PLC

[VLAN](#).

/ IGMP/MLD Proxy Report Range

PP4X

Proxy Report Range PP4X *pp4IGMPProxyReportRangesTable, pp4MLDProxyReportRangesTable.*

IGMP Proxy Report Range:

:

**snmpset -v2c -c <rw_community> <ipaddr> pp4IGMPProxyRowStatus.<range_id>
i 4 pp4IGMPProxyReportRangesStart.<range_id> a <range_start>
pp4IGMPProxyReportRangesEnd.<range_id> a <range_end>
pp4IGMPProxyReportRangesFromVLAN.<range_id> u <from_vlan>
pp4IGMPProxyReportRangesToVLAN.<range_id> u <to_vlan>**

:

```
snmpset -v2c -c private 192.168.0.1 pp4IGMPProxyRowStatus.1 i 4  
pp4IGMPProxyReportRangesStart.1 a 233.0.0.1
```



```
pp4IGMPProxyReportRangesEnd.1 a 233.0.0.255
pp4IGMPProxyReportRangesFromVLAN.1 u 5 pp4IGMPProxyReportRangesToVLAN.1
u 6
```

IGMP Proxy Report Range PP4X :

- id=1;
- ip_start: 233.0.0.1;
- ip_end: 233.0.0.255;
- from_vlan: 5;
- to_vlan: 6.

ID IGMP Proxy Report Range PP4X:

:

snmpwalk -v2c -c <ro_community> <ipaddr> pp4IGMPProxyReportRangesID

:

```
snmpwalk -v2c -c public 192.168.0.1 pp4IGMPProxyReportRangesID
```

IGMP Proxy Report Range:

:

snmpset -v2c -c <rw_community> <ipaddr> pp4IGMPProxyRowStatus.<range_id> i 6

:

```
snmpset -v2c -c private 192.168.0.1 pp4IGMPProxyRowStatus.1 i 6
```

IGMP Proxy Report Range id=1 PP4X.

MLD Proxy Report Range:

:

snmpset -v2c -c <rw_community> <ipaddr> pp4MLDProxyRowStatus.<range_id>
i 4 pp4MLDProxyReportRangesStart.<range_id> s <range_start>
pp4MLDProxyReportRangesEnd.<range_id> s <range_end>
pp4MLDProxyReportRangesFromVLAN.<range_id> u <from_vlan>
pp4MLDProxyReportRangesToVLAN.<range_id> u <to_vlan>

:

```
snmpset -v2c -c private 192.168.0.1 pp4MLDProxyRowStatus.1 i 4
pp4MLDProxyReportRangesStart.1 s FF15:0:0:0:0:0:1
pp4MLDProxyReportRangesEnd.1 s FF15:0:0:0:0:0:0:FFFF
pp4MLDProxyReportRangesFromVLAN.1 u 7 pp4MLDProxyReportRangesToVLAN.1 u 8
```

MLD Proxy Report Range PP4X, :

- id=1;
- ip_start: FF15::1;
- ip_end: FF15::FFFF;
- from_vlan: 7;
- to_vlan: 8.

:

snmpset -v2c -c <rw_community> <ipaddr> pp4MLDProxyRowStatus.<range_id> i 6

:

```
snmpset -v2c -c private 192.168.0.1 pp4MLDProxyRowStatus.1 i 6
```

MLD Proxy Report Range id=1 PP4X.

PLC

Proxy Report Range PLC8 *ltp8xIGMPProxyReportRangesTable, ltp8xMLDProxyReportRangesTable.*

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xIGMPProxyRowStatus.<slot>.<range_id> i 4
ltp8xIGMPProxyReportRangesStart.<slot>.<range_id> a <range_start>
ltp8xIGMPProxyReportRangesEnd.<slot>.<range_id> a <range_end>
ltp8xIGMPProxyReportRangesFromVLAN.<slot>.<range_id> i <from_vlan>
ltp8xIGMPProxyReportRangesToVLAN.<slot>.<range_id> i <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyRowStatus.15.1 i 4
ltp8xIGMPProxyReportRangesStart.15.1 a 235.0.0.1
ltp8xIGMPProxyReportRangesEnd.15.1 a 235.0.0.100
ltp8xIGMPProxyReportRangesFromVLAN.15.1 i 55
ltp8xIGMPProxyReportRangesToVLAN.15.1 i 56
```

IGMP Proxy Report Range 14- :

- id=1;
- ip_start: 233.0.0.1;
- ip_end: 233.0.0.100;
- from_vlan: 55;
- to_vlan: 56.

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xIGMPProxyRowStatus.<slot>.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyRowStatus.15.1 i 6
```

id=1 14- .

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xMLDProxyRowStatus.<slot>.<range_id> i 4
ltp8xMLDProxyReportRangesStart.<slot>.<range_id> a <range_start>
ltp8xMLDProxyReportRangesEnd.<slot>.<range_id> a <range_end>
ltp8xMLDProxyReportRangesFromVLAN.<slot>.<range_id> u <from_vlan>
ltp8xMLDProxyReportRangesToVLAN.<slot>.<range_id> u <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyRowStatus.15.1 i 4
ltp8xMLDProxyReportRangesStart.15.1 s FF15:0:0:0:0:0:1
ltp8xMLDProxyReportRangesEnd.15.1 s FF15:0:0:0:0:0:100
ltp8xMLDProxyReportRangesFromVLAN.15.1 i 57
ltp8xMLDProxyReportRangesToVLAN.15.1 i 58
```

MLD Proxy Report Range 14- , :

- id=1;
- ip_start: 1;
- ip_end: 100;
- from_vlan: 57;
- to_vlan: 58.

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xMLDProxyRowStatus.<slot>.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyRowStatus.15.1 i 6
```

MLD Proxy Report Range id=1 14- .

Proxy Report Range PLC8 *ltp8xIGMPProxyReportRangesGlobalTable, ltp8xMLDProxyReportRangesGlobalTable.*

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xIGMPProxyGlobalRowStatus.<range_id> i 4  
ltp8xIGMPProxyReportRangesGlobalStart.<range_id> a <range_start>  
ltp8xIGMPProxyReportRangesGlobalEnd.<range_id> a <range_end>  
ltp8xIGMPProxyReportRangesGlobalFromVLAN.<range_id> i <from_vlan>  
ltp8xIGMPProxyReportRangesGlobalToVLAN.<range_id> i <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyGlobalRowStatus.1 i 4  
ltp8xIGMPProxyReportRangesGlobalStart.1 a 238.0.0.100  
ltp8xIGMPProxyReportRangesGlobalEnd.1 a 238.0.0.150  
ltp8xIGMPProxyReportRangesGlobalFromVLAN.1 i 107  
ltp8xIGMPProxyReportRangesGlobalToVLAN.1 i 108
```

IGMP Proxy Report Range, :

- id=1;
- ip_start: 233.0.0.100;
- ip_end: 233.0.0.150;
- from_vlan: 107;
- to_vlan: 108.

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xIGMPProxyGlobalRowStatus.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyGlobalRowStatus.1 i 6
```

IGMP Proxy Report Range, id=1.

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xMLDProxyGlobalRowStatus.<range_id> i 4  
ltp8xMLDProxyReportRangesGlobalStart.<range_id> s <range_start>  
ltp8xMLDProxyReportRangesGlobalEnd.<range_id> s <range_end>  
ltp8xMLDProxyReportRangesGlobalFromVLAN.<range_id> i <from_vlan>  
ltp8xMLDProxyReportRangesGlobalToVLAN.<range_id> i <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyGlobalRowStatus.1 i 4  
ltp8xMLDProxyReportRangesGlobalStart.1 s FF15:0:0:0:0:0:100
```

```
ltp8xMLDProxyReportRangesGlobalEnd.1 s FF15:0:0:0:0:0:200
ltp8xMLDProxyReportRangesGlobalFromVLAN.1 i 200
ltp8xMLDProxyReportRangesGlobalToVLAN.1 i 300
```

MLD Proxy Report Range :

- id=1;
- ip_start: FF15::100;
- ip_end: FF15::200;
- from_vlan: 200;
- to_vlan: 300.

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xMLDProxyGlobalRowStatus.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyGlobalRowStatus.1 i 6
```

MLD Proxy Report Range, id=1.

PP4X

IGMP report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
pp4IGMPProxyReportRangesStart.<range_id>
pp4IGMPProxyReportRangesEnd.<range_id>
pp4IGMPProxyReportRangesFromVLAN.<range_id>
pp4IGMPProxyReportRangesToVLAN.<range_id>
```

MLD report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
pp4MLDProxyReportRangesStart.<range_id>
pp4MLDProxyReportRangesEnd.<range_id>
pp4MLDProxyReportRangesFromVLAN.<range_id>
pp4MLDProxyReportRangesToVLAN.<range_id>
```

:

```
snmpget -v2c -c public 192.168.0.1 pp4MLDProxyReportRangesStart.1
pp4MLDProxyReportRangesEnd.1 pp4MLDProxyReportRangesFromVLAN.1
pp4MLDProxyReportRangesToVLAN.1
```

MLD Proxy Report Range id=1 PP4X.

PLC

IGMP proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xIGMPProxyReportRangesStart.<slot>.<range_id>
ltp8xIGMPProxyReportRangesEnd.<slot>.<range_id>
ltp8xIGMPProxyReportRangesFromVLAN.<slot>.<range_id>
ltp8xIGMPProxyReportRangesToVLAN.<slot>.<range_id>
```

MLD proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xMLDProxyReportRangesStart.<slot>.<range_id>
ltp8xMLDProxyReportRangesEnd.<slot>.<range_id>
ltp8xMLDProxyReportRangesFromVLAN.<slot>.<range_id>
ltp8xMLDProxyReportRangesToVLAN.<slot>.<range_id>
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xIGMPProxyReportRangesStart.15.1
ltp8xIGMPProxyReportRangesEnd.15.1
ltp8xIGMPProxyReportRangesFromVLAN.15.1
ltp8xIGMPProxyReportRangesToVLAN.15.1
```

IGMP Proxy Report Range id=1 14- .

IGMP proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xIGMPProxyReportRangesGlobalStart.<range_id>
ltp8xIGMPProxyReportRangesGlobalEnd.<range_id>
ltp8xIGMPProxyReportRangesGlobalFromVLAN.<range_id>
ltp8xIGMPProxyReportRangesGlobalToVLAN.<range_id>
```

MLD proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xMLDProxyReportRangesGlobalStart.<range_id>
ltp8xMLDProxyReportRangesEnd.<slot>.<range_id>
ltp8xMLDProxyReportRangesFromVLAN.<slot>.<range_id>
ltp8xMLDProxyReportRangesToVLAN.<slot>.<range_id>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xMLDProxyReportRangesGlobalStart.1
ltp8xMLDProxyReportRangesGlobalEnd.1
ltp8xMLDProxyReportRangesGlobalFromVLAN.1
ltp8xMLDProxyReportRangesGlobalToVLAN.1
```

MLD Proxy Report Range id=1.

Cross-connect, DBA, Ports

Cross-connect

cross-connect *ltp8xONTCrossConnectProfileTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTCrossConnectRowStatus.<profile_index> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTCrossConnectRowStatus.2 i 4
```

Cross-connect 2.

Cross-connect , vlan_id terminal-vlan – -100 (terminal-vlan-0), -131 (terminal-vlan-31).

:

snmpset -v2c -c <rw_community> <ipaddr>

<parameter_oid_1>.<profile_id> <par1_type> <par1_value>

<parameter_oid_2>.<profile_id> <par2_type> <par2_value>

...

<parameter_oid_N>.<profile_id> <parN_type> <parN_value>

:

- <parameter_oid_N> – MIB;
- <profile_id> – ;
- <parN_type> – ;
- <parN_value> – .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTCrossConnectName.2 s
"edited_by_snmp" ltp8xONTCrossConnectModel.2 i 1
ltp8xONTCrossConnectBridgeGroup.2 u 5 ltp8xONTCrossConnectUVID.2 i -101
```

Cross-connect 2 "edited_by_snmp", type "ont", bridge group = 5 UVID, terminal-vlan-1.

:

snmpset -v2c -c <rw_community> <ipaddr>

ltp8xONTCrossConnectRowStatus.<profile_index> i 6

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTCrossConnectRowStatus.2 i 6
```

Cross-connect 2.

:

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTCrossConnectName

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTCrossConnectName
```

DBA

DBA *ltp8xONTAllocProfileTable*.

:

snmpset -v2c -c <rw_community> <ipaddr>

ltp8xONTAllocRowStatus.<profile_index> i 4

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTAllocRowStatus.3 i 4
```

DBA 3.

```

:

snmpset -v2c -c <rw_community> <ipaddr>

<parameter_oid_1>.<profile_id> <par1_type> <par1_value>

<parameter_oid_2>.<profile_id> <par2_type> <par2_value>

.....

<parameter_oid_N>.<profile_id> <parN_type> <parN_value>

:

    • <parameter_oid_N> – MIB;
    • <profile_id> – ;
    • <parN_type> – ;
    • <parN_value> – .

```

```

snmpset -v2c -c private 192.168.0.1
ltp8xONTAllocName.3 s "edited_by_snmp"
ltp8xONTAllocServiceClass.3 i 3
ltp8xONTAllocFixedBandwidth.3 u 269248

```

DBA 3 "edited_by_snmp", service class = cbr fixed bandwidth 269248.

```

:

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTAllocRowStatus.<profile_index> i 6

```

```

snmpset -v2c -c private 192.168.0.1 ltp8xONTAllocRowStatus.3 i 6

```

DBA 3.

```

:

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTAllocName

```

```

snmpwalk -v2c -c public 192.168.0.1 ltp8xONTAllocName

```

Ports

Ports :

- ltp8xONTPortsProfileTable – ;
- ltp8xONTPortsProfileUNITable – UNI-;
- ltp8xONTPortsProfileMCDynamicEntriesTable – IGMP multicast dynamic entries;
- ltp8xONTPortsProfileMLDDynamicEntriesTable – MLD multicast dynamic entries.

```

:

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTPortsRowStatus.<profile_index> i 4

```

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsRowStatus.4 i 4
Ports 4.
```

```
:
:
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.<profile_id>
<par1_type> <par1_value> <parameter_oid_2>.<profile_id> <par2_type>
<par2_value> ... <parameter_oid_N>.<profile_id>
<parN_type> <parN_value>
```

- ```
:
• <parameter_oid_N> - MIB;
• <profile_id> - ;
• <parN_type> - ;
• <parN_value> - .
:
```

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsName.4 s
"edited_by_snmp" ltp8xONTPortsMulticastIPVersion.4 i 1
ltp8xONTPortsMLDVersion.4 u 1 ltp8xONTPortsMLDQueryInterval.4 u 120
```

Ports 4 "edited\_by\_snmp", IPv6, MLD v1 MLD query interval 120.

UNI-:

(0-3).

```
:
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsUNIBridgeGroup.4.0 i
100 ltp8xONTPortsUNIMulticastEnabled.4.0 i 1
ltp8xONTPortsUNIMaxGroups.4.0 u 500
```

Ports 4, 0, bridge group = 100, max groups = 500 multicast.

IGMP multicast dynamic entries:

dynamic entry (0-19).

```
:
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsMCVLANID.4.14 u 200
ltp8xONTPortsMCFirstGroupIP.4.14 a 224.0.0.0
ltp8xONTPortsMCLastGroupIP.4.14 a 239.255.255.255
```

multicast dynamic entry ( 14) Ports (c 4) : vlan\_id = 200, first group ip = 224.0.0.0, last group ip = 239.255.255.255.

MLD multicast dynamic entries:

dynamic entry (0-19).

```
:
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsMLDVLANID.4.12 u 30
ltp8xONTPortsMLDMCFirstGroupIP.4.12 x "FF01000000000000000000000000FC"
ltp8xONTPortsMLDMCLastGroupIP.4.12 x "FF01000000000000000000000000FD"
ltp8xONTPortsMLDMCPreviewLength.4.12 u 1024
```

multicast dynamic entry ( 12) Ports (c 4) : vlan\_id = 30, first group ip = FF01:0:0:0:0:0:FC, last group ip = FF01:0:0:0:0:0:FD preview length = 1024.



:

**snmpset -v2c -c <rw\_community> <ipaddr> ltp8xONTPortsRowStatus.<profile\_index> i 6**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsRowStatus.4 i 6
```

Ports 4.

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> ltp8xONTPortsName**

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTPortsName
```

## PLC

### PLC

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4ShelfConfigBoardType.<slot> i <board\_type>**

board\_type 3 (plc8) 0 (none).

:

```
snmpset -v2c -c private 192.168.0.1 pp4ShelfConfigBoardType.15 i 3
```

14 «PLC8».

### PLC

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4SlotsState.<slot>**

:

```
snmpget -v2c -c public 192.168.0.1 pp4SlotsState.15
```

:

- absent (0);
- discovery (1);
- booting (2);
- operational (3);
- lost (4);
- sand (5);
- fail (6);
- notBooting (7).

## PON

, PON

:

**snmpset -v2c -c <rw\_community> <ipaddr>  
ltp8xPONChannelEnabled.<slot>.<gpon\_port> i <value>**

:

- <gpon\_port> – , 1;
- <value> – :
  - 1 – Enable;
  - 2 – Disable.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelEnabled.15.1 i 2
```

gpon-port 14/0.

:

**snmpset -v2c -c <rw\_community> <ipaddr>  
ltp8xPONChannelReconfigure.<slot>.<gpon\_port> u 1**

:

- <gpon\_port> – , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelReconfigure.15.1 u 1
```

gpon-port 14/0.

pon- pon- switch.

pon- switch *ltp8xSwitchPortsName*.

| PON | switch |
|-----|--------|
| 0   | 2      |
| 1   | 3      |
| 2   | 8      |
| 3   | 9      |
| 4   | 10     |
| 5   | 11     |
| 6   | 12     |
| 7   | 13     |

**Ethernet-**

*ltp8xSwitchPortCountersTable*.

:

**snmpget -v2c -c <ro\_community> <ipaddr> <counter\_oid>.<slot>.<port\_index>**

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchPortGoodOctetsRcv.15.9
ltp8xSwitchPortGoodPktsRcv.15.9
```

3- pon- PLC 14- .

*ltp8xSwitchPortsUtilization.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> <utilization\_oid>.<slot>.<port\_index>**

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xPortsUtilizationLastKbitsSent.15.13
ltp8xPortsUtilizationLastKbitsRecv.15.13
ltp8xPortsUtilizationLastFramesSent.15.13
ltp8xPortsUtilizationLastFramesRecv.15.13
ltp8xPortsUtilizationAverageKbitsSent.15.13
ltp8xPortsUtilizationAverageKbitsRecv.15.13
ltp8xPortsUtilizationAverageFramesSent.15.13
ltp8xPortsUtilizationAverageFramesRecv.15.13
```

7- pon- PLC 14- .

:

:

**snmpset -v2c -c <rw\_community> <ipaddr> ltp8xPortsUtilizationInterval.0 u <interval>**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPortsUtilizationInterval.0 u
300
```

/,

OLT (tftp/http)

**OLT**

OLT pp4FirmwareUpdate.

| pp4FirmwareUpdateFileName      | OLT       |
|--------------------------------|-----------|
| pp4FirmwareUpdateIpAddress     | IP-       |
| pp4FirmwareUpdateSwitchVersion |           |
| pp4FirmwareUpdateNeedRestart   |           |
| pp4FirmwareUpdateProtocol      | http/tftp |
| pp4FirmwareUpdatePort          |           |
| pp4FirmwareUpdateAction        |           |

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4FirmwareUpdateFileName.0 s  
"<file\_name>" pp4FirmwareUpdateIpAddress.0 a <server\_ip>  
pp4FirmwareUpdateSwitchVersion.0 i <change\_version\_value>  
pp4FirmwareUpdateNeedRestart.0 i <need\_restart\_value>  
pp4FirmwareUpdateProtocol.0 i <download\_protocol>  
pp4FirmwareUpdateAction.0 u 1**

- <server\_ip> – ip- tftp/http ;
- <download\_protocol> – download/httpdownload tftp/http .

:

```
snmpset -v2c -c private 192.168.0.1 pp4FirmwareUpdateFileName.0 s
"ma4000_fw/firmware.3.26.0.1356.ma4k" pp4FirmwareUpdateIpAddress.0 a
192.168.0.55 pp4FirmwareUpdateSwitchVersion.0 i 1
pp4FirmwareUpdateNeedRestart.0 i 1 pp4FirmwareUpdateProtocol.0 i 1
pp4FirmwareUpdateAction.0 u 1
```

ma4000\_fw/firmware.3.26.0.1356.ma4k tftp- 192.168.0.55, .

snmp-trap .

:

**snmpset -v2c -c <rw\_community> -t 20 <ipaddr>  
pp4UnitsActivePartition.<unit\_value> i <image\_value>**

:

```
snmpset -v2c -c private -t 20 192.168.0.1 pp4UnitsActivePartition.2 i 2
```

2- Unit2.

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4FirmwareUpdateConfirm.0 u 1**

:

```
snmpset -v2c -c private 192.168.0.1 pp4FirmwareUpdateConfirm.0 u 1
```

.

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4SystemUnit1FirmwareVersion.0  
pp4SystemUnit2FirmwareVersion.0**

:

```
snmpget -v2c -c public 192.168.0.1 pp4SystemUnit1FirmwareVersion.0
pp4SystemUnit2FirmwareVersion.0
```

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4RebootCommand.102 u 1**

:

```
snmpset -v2c -c private 192.168.0.1 pp4RebootCommand.102 u 1
```

## (PP4X, PLC)

:

```
snmpset -v2c -c <rw_community> <ipaddr> pp4RebootCommand.<board_id> u 1
```

board\_id 1-16 ( PLC), 100 (master PP4X), 101 (slave PP4X).

:

```
snmpset -v2c -c private 192.168.0.1 pp4RebootCommand.15 u 1
```

14.

## ONT

ONT *ltp8xONTFirmwaresDownload.*

|                                    |          |
|------------------------------------|----------|
|                                    |          |
| ltp8xONTFirmwaresDownloadPath      | ONT      |
| ltp8xONTFirmwaresDownloadIPAddress | IP-      |
| ltp8xONTFirmwaresDownloadProtocol  | http/ftp |
| ltp8xONTFirmwaresDownloadPort      |          |
| ltp8xONTFirmwaresDownloadAction    |          |

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTFirmwaresDownloadPath.0 s "<file_name>" ltp8xONTFirmwaresDownloadIPAddress.0 a
<server_ip>
ltp8xONTFirmwaresDownloadProtocol.0 i <download_protocol>
ltp8xONTFirmwaresDownloadPort.0 u <server_port>
ltp8xONTFirmwaresDownloadAction.0 u 1
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwaresDownloadPath.0 s
"ntp-rg-revb-3.24.3.87.fw.bin" ltp8xONTFirmwaresDownloadIPAddress.0 a
192.168.0.55 ltp8xONTFirmwaresDownloadProtocol.0 i 2
ltp8xONTFirmwaresDownloadPort.0 u 8080 ltp8xONTFirmwaresDownloadAction.0 u 1
```

ntp-rg-revb-3.24.3.87.fw.bin 8080 http- 192.168.0.55.

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTFirmwaresFileName
```

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTFirmwaresFileName
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFirmwaresFilesDelete.<file_id> u 1
```

:

- <file\_id> – ID ONT ( " ").

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwaresFilesDelete.2 u 1
```

2.

/

:

TFTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<tftp_server_ip> <tftp_path> upload"
```

HTTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<http_sever_ip> <http_path> httpupload"
```

:

- <tftp\_path>, <http\_path> – .

:

```
snmpset -v2c -c private 192.168.0.1 cmdFileOperationPrivateCfg.0 s
"192.168.0.55 new_config.cfg upload"
```

TFTP 192.168.0.55 new\_config.cfg.

:

TFTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<tftp_ip> <tftp_path> download"
```

HTTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<http_ip> <http_path> httpdownload"
```

:

- <tftp\_path>, <http\_path> – .

:

```
snmpset -v2c -c private 192.168.0.1 cmdFileOperationPrivateCfg.0 s
"192.168.0.55:8080 config/new_config.cfg httpdownload"
```

HTTP 192.168.0.55, 8080, config/new\_config.cfg.

## OLT

:

:

**snmpget -v2c -c <ro\_community> <ipaddr> omsActiveAlarms.0**

:

```
snmpget -v2c -c public 192.168.0.1 omsActiveAlarms.0
```

:

:

**snmpset -v2c -c <rw\_community> <ipaddr> omsActiveAlarms.0 u 1**

:

```
snmpset -v2c -c private 192.168.0.1 omsActiveAlarms.0 u 1
```

snmp-trap-

, PP4X, PLC8

MA4000 *pp4System pp4BoardState.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> <parameter\_oid>.0**

:

```
snmpget -v2c -c public 192.168.0.1 pp4SystemUnit1SerialNumber.0
pp4BoardFan3AbsoluteSpeed.0
```

Unit1 Fan3.

PLC8 *ltp8xPLCBoardStateTable.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> <parameter\_oid>.<slot>**

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPLCBoardStateRAMFree.15
```

14- .

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4Feeder1Status.0  
pp4Feeder1Active.0 pp4Feeder1Polarity.0 pp4Feeder1Current.0  
pp4Feeder1Voltage.0 pp4Feeder2Status.0 pp4Feeder2Active.0  
pp4Feeder2Polarity.0 pp4Feeder2Current.0 pp4Feeder2Voltage.0  
pp4StationVoltage.0**

:

```
snmpget -v2c -c public 192.168.0.1 pp4Feeder1Status.0 pp4Feeder1Active.0
pp4Feeder1Polarity.0 pp4Feeder1Current.0 pp4Feeder1Voltage.0
pp4Feeder2Status.0 pp4Feeder2Active.0 pp4Feeder2Polarity.0
pp4Feeder2Current.0 pp4Feeder2Voltage.0 pp4StationVoltage.0
```

PP4X PON- PLC8

*ifTable.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> ifOperStatus.<ifIndex>**

:

```
snmpget -v2c -c public 192.168.0.1 ifOperStatus.11
```

front-port 2/1.

pon- *ltp8xPONChannelStateTable.*

:

**snmpget -v2c -c <ro\_community> <ipaddr>  
<parameter\_oid>.<slot>.<pon\_channel\_id>**

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPONChannelONTCount.15.4
ltp8xPONChannelSFPVendor.15.4 ltp8xPONChannelSFPProductNumber.15.4
ltp8xPONChannelSFPRevision.15.4
```

3- 14- ONT SFP.

## MAC

MAC- PP4X:

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> pp4MacAddressEntryID**

:

```
snmpwalk -v2c -c public 192.168.0.1 pp4MacAddressEntryID
```

MAC- PP4X.

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4MacAddressVLAN.<entry\_id>  
pp4MacAddressAddress.<entry\_id> pp4MacAddressPort.<entry\_id>  
pp4MacAddressType.<entry\_id>**

<entry\_id> – .

:

```
snmpget -v2c -c public 192.168.0.1 pp4MacAddressVLAN.3
pp4MacAddressAddress.3 pp4MacAddressPort.3 pp4MacAddressType.3
```

3- MAC- PP4X.

MAC- switch PLC:

:

**snmpwalk -v2c -c <ro\_community> <ipaddr>  
ltp8xSwitchMacListMacAddressString.<slot>**

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xSwitchMacListMacAddressString.15
```



MAC- 14- MAC.

, , :  
:

**snmpget -v2c -c <ro\_community> <ipaddr>  
ltp8xSwitchMacListInterface.<slot>.<vid>.<dec\_macaddress>  
ltp8xSwitchMacListStatic.<slot>.<vid>.<dec\_macaddress>**

:

- <dec\_macaddress> – MAC-, .

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchMacListInterface.
15.236.152.222.208.0.205.252 ltp8xSwitchMacListStatic.
15.236.152.222.208.0.205.252
```

14-, MAC- 98:de:d0:00:cd:fc 236 VLAN.

## Multicast

Multicast- PP4X *pp4MulticastGroupsTable*.

entry\_id :

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> pp4MulticastEntryID**

:

```
snmpwalk -v2c -c public 192.168.0.1 pp4MulticastEntryID
```

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4MulticastVLAN.<entry\_id>  
pp4MulticastGroupAddress.<entry\_id> pp4MulticastMemberPorts.<entry\_id>  
pp4MulticastExpires.<entry\_id>**

entry\_id – .

:

```
snmpget -v2c -c public 192.168.0.1 pp4MulticastVLAN.1
pp4MulticastGroupAddress.1 pp4MulticastMemberPorts.1
pp4MulticastExpires.1
```

multicast-, 1 .

Multicast- PLC: . " **IGMP**".

## PPPoE-

PPPoE- *ltp8xOLTPPPoESessionsTable*.

MAC- :

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> ltp8xOLTPPPoESessionsClientMac.1**

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xOLTPPPoESessionsClientMac.1
```

MAC- GPON-PORT/ONT ID.

, (ONT GEM-, ID PPPoE, PPPoE, ONT ONT PPPoE-. profile pppoe-ia, ONT):

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsPort.<slot>.<channel>.<ont_id>.<client_mac>
ltp8xOLTPPPoESessionsSessionID.<slot>.<channel>.<ont_id>.<dec_client_mac>
> ltp8xOLTPPPoESessionsDuration.<slot>.<channel>.<ont_id>.<client_mac>
ltp8xOLTPPPoESessionsUnblock.<slot>.<channel>.<ont_id>.<client_mac>
ltp8xOLTPPPoESessionsSerial.<slot>.<channel>.<ont_id>.<client_mac>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTPPPoESessionsPort.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSessionID.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsDuration.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsUnblock.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSerial.15.7.0.168.249.75.90.189.124
```

PPPoE- ONT 14/6/0 MAC a8:f9:4b:5a:bd:7c.

|     |            |                                               |
|-----|------------|-----------------------------------------------|
|     |            |                                               |
| 2.0 | 31.08.2021 | 3.32.0<br>:<br>1.1.3 PoE<br>:<br>1.2.6.2 ETH- |
| 1.0 | 16.04.2020 |                                               |
|     |            | 3.32.0                                        |