42- Debug Configuration Commands

42.1 Debug Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "Debug Configuration Commands".

Command Tree

----configure
  ----debug-trace
    ----[no] protocol-trace
       - (trace-subject)
       - protocol
       - syslog
       - [no] events
       - [no] packet-summary

42.2 Protocol Tracing Configuration Command

Command Description

This commands allows the operator to enable/disable protocol tracing. The operator can enter the protocol, port and level of detail for which tracing can be enabled. It is mandatory to enable/disable atleast one of the tracings, events or packet-summary.

User Level

The command can be accessed by operators with security privileges, and executed by operators with security privileges.

Command Syntax

The command has the following syntax:

> configure debug-trace (no protocol-trace (trace-subject) protocol <Debug::Protocol>) | (protocol-trace (trace-subject) protocol <Debug::Protocol> syslog <Debug::SyslogMsgType> [[no] events] [[no] packet-summary])

Command Parameters

Table 42.2-1 "Protocol Tracing Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(trace-subject)	Format: (dsl-line : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Debug::PortId> | atm-pvc : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Debug::PortId> : <Eqpt::VpiMandatoryId> : <Eqpt::VciMandatoryId> | shdsl-line : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Debug::PortId> | ethernet-line : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Debug::PortId> | uni : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Eqpt::OntSlotId> / <Eqpt::OntPortId> | voip : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> | uni:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Eqpt::Ng2OntId> / vuni | uni:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Eqpt::Ng2OntId> / <Eqpt::Ng2OntSlotId> / <Eqpt::Ng2OntPortId>) Possible values: - dsl-line : the xDSL line - atm-pvc : the PVC of the ADSL line - shdsl-line : a static shdsl line interface	subject for which tracing is enabled(e.g ADSL line,PVC)

Resource Identifier	Type	Description
	- ethernet-line : a native ethernet line interface - uni : GPON ONT uni interface - voip : virtual uni identifier - uni:ng2 : NGPON ONT uni interface Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Debug::PortId> - the portId Field type <Eqpt::VpiMandatoryId> - atm VPI Field type <Eqpt::VciMandatoryId> - atm VCI Field type <Eqpt::PonId> - the PON identifier Field type <Eqpt::OntId> - the ONT identifier Field type <Eqpt::OntSlotId> - the ONT SLOT identifier Field type <Eqpt::OntPortId> - the ONT PORT identifier Field type <Eqpt::ChannelGroupId> - the channel group identifier Field type <Eqpt::SubChannelGroupId> - the subchannel group identifier Field type <Eqpt::Ng2OntId> - the NG2 ONT identifier Possible values: - vuni : virtual NGPON2 uni identifier Field type <Eqpt::Ng2OntSlotId> - the NGPON2 ONT SLOT identifier Field type <Eqpt::Ng2OntPortId> - the NGPON2 ONT PORT identifier	
protocol	Parameter type: <Debug::Protocol> Format: (igmp | dhcp | arp | dhcpv6 | pppoe | all) Possible values: - igmp : enable tracing for igmp protocol - dhcp : enable tracing for dhcp protocol - arp : enable tracing for arp protocol - dhcpv6 : enable tracing for dhcpv6 protocol - pppoe : enable tracing for pppoe protocol - all : enable tracing for all protocols	protocol to be traced

Table 42.2-2 "Protocol Tracing Configuration Command" Command Parameters

Parameter	Type	Description
syslog	Parameter type: <Debug::SyslogMsgType> Format: (tracing1	*mandatory parameter* *The parameter is not visible during modification.*

Parameter	Type	Description
	| tracing2 | tracing3 | tracing4) Possible values: - tracing1 : msg type tracing1 used for syslog - tracing2 : msg type tracing2 used for syslog - tracing3 : msg type tracing3 used for syslog - tracing4 : msg type tracing4 used for syslog	msg type used to log trace msgs to syslog
[no] events	Parameter type: boolean	*optional parameter* enable events tracing
[no] packet-summary	Parameter type: boolean	*optional parameter* enable pkt summary tracing