230- Remote debug Commands

230.1 Remote debug Command Tree

Description

This chapter gives an overview of nodes that are handled by "Remote debug Commands".

Command Tree

----remote-debug
    ----ont
        - **(ont-index)**
        - (command)

230.2 Remote debug

Command Description

This command allows the operator to debug remotely

After this command execution, debug output will be displayed on the CLI session

User Level

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

Command Syntax

The command has the following syntax:

> remote-debug

230.3 Remote debug ONT

Command Description

This command allows the operator to debug ONT remotely

After executing this command, the operator has a CLI session up to the OLT, and on that session he can execute commands which are specific to an ONU. This is typically used for remote debugging on the ONU. As these latter commands are specific to an ONU and may be even proprietary and depending on the vendor of the ONU, these ONU commands are out of the scope of this OLT guide. The communication between OLT and ONU is according Remote Debug Managed Entity as defined in ITU-T G.988 (10/2012) in section 9.1.12 and further detailed in Appendix 1 section I.2.8. It is a minimum requirement that this is also supported on the ONU to make this work. Furthermore, interoperability between OLT and ONU must be supported.

User Level

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

Command Syntax

The command has the following syntax:

> remote-debug ont (ont-index) (command)

Command Parameters

Table 230.3-1 "Remote debug ONT" Resource Parameters

Resource Identifier	Type	Description
(ont-index)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> | ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId>) Possible values: - ng2 : ngpon2 style identification Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PonId> - the PON identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier	access identifier for the ont

Resource Identifier	Type	Description
	Field type <Ng2::OntId> - the ONT identifier	

Table 230.3-2 "Remote debug ONT" Command Parameters

Parameter	Type	Description
(command)	Format: - debug command to be executed on ONT. - length: 1<=x<=52	*optional parameter* debug command to be executed on ONT