32- PPPoE Configuration Commands

32.1 PPPoE Configuration Command Tree

Description

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

Command Tree

----configure
    ----pppoe-client
        ----[no] ppp-profile
            - (name)
            - [no] ipversion
            - [no] authproto
            - [no] mru
        ----[no] interface
            - (ifindex)
            - client-id
            - profile-name
            - username
            - password
            - [no] mac
            - [no] pbit

32.2 PPPoE Profile Configuration Command

Command Description

This command allows the operator to configure PPP profile parameters.

User Level

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

Command Syntax

The command has the following syntax:

> configure pppoe-client (no ppp-profile (name)) | (ppp-profile (name) [no ipversion | ipversion <PPPoE::pppProfileIpMode>] [no authproto | authproto <PPPoE::pppProfileAuthenType>] [no mru | mru <PPPoE::PppProfileMru>])

Command Parameters

Table 32.2-1 "PPPoE Profile Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(name)	Format: - a profile name - range: [a-zA-Z0-9-_.] - length: 1<=x<=32	name of the profile

Table 32.2-2 "PPPoE Profile Configuration Command" Command Parameters

Parameter	Type	Description
[no] ipversion	Parameter type: <PPPoE::pppProfileIpMode> Format: (none | ipv4 | dual | ipv6) Possible values: - none : without NCP phase - ipv4 : only specify ipv4 connection - dual : specify both ipv4 and ipv6 connection - ipv6 : only specify ipv6 connection	*optional parameter with default value: "ipv4"* specifying ip version during NCP phase
[no] authproto	Parameter type: <PPPoE::pppProfileAuthenType> Format: (auto | pap | chap) Possible values: - auto : auto selected by ONU - pap : only PAP negotiation	*optional parameter with default value: "auto"* the type of PPP authentication used

Parameter	Type	Description
	- chap : only CHAP negotiation	
[no] mru	Parameter type: <PPPoE::PppProfileMru> Format: - the MRU of PPP - range: [0...65535]	*optional parameter with default value: 1500* specifying MRU of PPP

32.3 PPPoE Client Interface Configuration Command

Command Description

This command allows the operator to configure PPPoE client interface parameters.

User Level

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

Command Syntax

The command has the following syntax:

> configure pppoe-client (no interface (ifindex) client-id <PPPoE::ClientId>) | (interface (ifindex) client-id <PPPoE::ClientId> profile-name <PPPoE::PppProfileName> username <PPPoE::UserName> password <PPPoE::Password> [no mac | mac <PPPoE::MacAddress>] [no pbit | pbit <PPPoE::PbitValue>])

Command Parameters

Table 32.3-1 "PPPoE Client Interface Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(ifindex)	Format: (vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> : <Eqpt::VpiId> : <Eqpt::VciId> : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> : <Eqpt::VpiId> : <Eqpt::VciId> : <Eqpt::UnstackedVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> : <Eqpt::UnstackedVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Eqpt::OntSlotId> / <Eqpt::OntPortId> : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Eqpt::OntSlotId> / <Eqpt::OntPortId> : <Eqpt::UnstackedVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / voip : stacked : <Eqpt::SVlan> : <Eqpt::CVlan>	interface index of the PPPoE client port

Resource Identifier	Type	Description
	| vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / vuni : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / voip : <Eqpt::UnstackedVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / vuni : <Eqpt::UnstackedVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Eqpt::LLId> : <Eqpt::UnstackedVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Eqpt::LLId> : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Eqpt::Ng2OntId> / <Eqpt::Ng2OntSlotId> / <Eqpt::Ng2OntPortId> : <Eqpt::UnstackedVlan> | vlan-port:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Eqpt::Ng2OntId> / <Eqpt::Ng2OntSlotId> / <Eqpt::Ng2OntPortId> : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Eqpt::Ng2OntId> / vuni) Possible values: - vlan-port : vlan port - vlan-port:ng2 : an NGPON2 vlan port 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::PortId> - the port number Field type <Eqpt::VpiId> - atm VPI Field type <Eqpt::VciId> - atm VCI Field type <Eqpt::ChannelGroupId> - the channel group identifier Field type <Eqpt::SubChannelGroupId> - the subchannel group identifier Field type <Eqpt::PonId> - the PON identifier Field type <Eqpt::OntId> - the ONT identifier Field type <Eqpt::Ng2OntId> - the NG2 ONT identifier Possible values: - voip : virtual uni identifier obsolete alternative replaced by vuni - vuni : virtual uni identifier Possible values: - vuni : virtual NGPON2 uni identifier Field type <Eqpt::OntSlotId>	

Resource Identifier	Type	Description
	- the ONT SLOT identifier Field type <Eqpt::OntPortId> - the ONT PORT identifier Field type <Eqpt::Ng2OntSlotId> - the NGPON2 ONT SLOT identifier Field type <Eqpt::Ng2OntPortId> - the NGPON2 ONT PORT identifier Field type <Eqpt::LLId> - the LLID identifier,range 1 for EPON,range 1-8 for DPOE Possible values: - stacked : stacked vlan identity Field type <Eqpt::UnstackedVlan> - unstacked vlan id Field type <Eqpt::SVlan> - service vlan id Field type <Eqpt::CVlan> - customer vlan id	
client-id	Parameter type: <PPPoE::ClientId> Format: - the PPPoE client id - range: [1]	the PPPoE client id

Table 32.3-2 "PPPoE Client Interface Configuration Command" Command Parameters

Parameter	Type	Description
profile-name	Parameter type: <PPPoE::PppProfileName> Format: name : <PPPoE::IgnoredPppProfileName> Possible values: - name : enter profile name to be associated Field type <PPPoE::IgnoredPppProfileName> - name of the PPP profile - length: 1<=x<=64	*mandatory parameter* PPP profile name
username	Parameter type: <PPPoE::UserName> Format: - user name string - length: x<=25	*mandatory parameter* user name for PPP authentication
password	Parameter type: <PPPoE::Password> Format: - password string hidden from users - length: x<=25	*mandatory parameter* password for PPP authentication
[no] mac	Parameter type: <PPPoE::MacAddress> Format: - a unicast mac-address (example : 00:01:02:03:04:05) - length: 6	*optional parameter with default value: "00 : 00 : 00 : 00 : 00 : 00"* specify the client MAC address for PPPoE frame
[no] pbit	Parameter type: <PPPoE::PbitValue> Format: - the Pbit value - range: [0...7]	*optional parameter with default value: 0* the Pbit value for PPPoE frame