

67- Configure NTP parameters on a specific ONT

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67.1 Configure NTP parameters on a specific ONT Tree

Description

This chapter gives an overview of nodes that are handled by "Configure NTP parameters on a specific ONT".

Command Tree

```
----configure
  ----ntp
    ----[no] ont
      - (ont-idx)
      - [no] client-state
      - [no] config-mode
      - [no] server1-ip-addr
      - [no] server2-ip-addr
      - [no] server3-ip-addr
      - [no] oper-mode
      - [no] key-identifier
      - [no] key
```

67.2 Configure NTP parameters on a specific ONT

Command Description

This command sets the NTP parameters on a specific ONT, in case of server1-ip-addr, server2-ip-addr and server3-ip-addr, following range of ip-addresses are not allowed: 127.0.0.0 to 127.255.255.255 (loopback)

User Level

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

Command Syntax

The command has the following syntax:

```
> configure ntp ( no ont (ont-idx) ) | ( ont (ont-idx) [ no client-state | client-state <Gpon::ClientState> ] [ no
config-mode | config-mode <Gpon::ConfigMode> ] [ no server1-ip-addr | server1-ip-addr <Gpon::Ipaddr> ] [ no
server2-ip-addr | server2-ip-addr <Gpon::Ipaddr> ] [ no server3-ip-addr | server3-ip-addr <Gpon::Ipaddr> ] [ no
oper-mode | oper-mode <Gpon::OperMode> ] [ no key-identifier | key-identifier <Gpon::KeyIdentifier> ] [ no key |
key <Gpon::OntNtpKey> ] )
```

Command Parameters

Table 67.2-1 "Configure NTP parameters on a specific ONT" Resource Parameters

Resource Identifier	Type	Description
(ont-idx)	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 Field type <Ng2::OntId> - the ONT identifier	identification of the ont

Table 67.2-2 "Configure NTP parameters on a specific ONT" Command Parameters

Parameter	Type	Description
[no] client-state	Parameter type: <Gpon::ClientState> Format: (on off) Possible values: - on : indicates ntp Client On - off : indicates ntp Client Off	<i>optional parameter with default value: "off"</i> indicates whether ntp client should be on or off
[no] config-mode	Parameter type: <Gpon::ConfigMode> Format: (dhcp manual) Possible values: - dhcp : dhcp mode - manual : manual	<i>optional parameter with default value: "dhcp"</i> used to designate whether dhcp is designated as the method by which the ont obtains ntp server addresses
[no] server1-ip-addr	Parameter type: <Gpon::Ipaddr> Format: - IPv4-address	<i>optional parameter with default value: "0.0.0.0"</i> ip address of the 1st ntp server.
[no] server2-ip-addr	Parameter type: <Gpon::Ipaddr> Format: - IPv4-address	<i>optional parameter with default value: "0.0.0.0"</i> ip address of the second ntp server.
[no] server3-ip-addr	Parameter type: <Gpon::Ipaddr> Format: - IPv4-address	<i>optional parameter with default value: "0.0.0.0"</i> ip Address of the third ntp server
[no] oper-mode	Parameter type: <Gpon::OperMode> Format: (unicast multicast broadcast) Possible values: - unicast : unicast mode of operation - multicast : multicast mode of operation - broadcast : broadcast mode of operation	<i>optional parameter with default value: "unicast"</i> ntp mode of operation
[no] key-identifier	Parameter type: <Gpon::KeyIdentifier> Format: - key that should be used by the ntp server - range: [0...65535]	<i>optional parameter with default value: 0</i> specifies the key that should be used by the ntp server
[no] key	Parameter type: <Gpon::OntNtpKey> Format: - actual key used by the ont - length: x<=16	<i>optional parameter with default value: ""</i> specifies the actual key used by the ont