222- DHCP Management Command

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222.1 DHCP Management Command Tree

Description

This chapter gives an overview of nodes that are handled by "DHCP Management Command".

Command Tree

```
----admin
----dhcp-relay
----port-stats
- (vlan-port)
- (clear-statistics)
----v6-port-stats
- (vlan-port)
- (clear-statistics)
```

222.2 DHCP Relay User Port Management Command

Command Description

This command allows the operator to manage the DHCP relay user port commands.

User Level

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

Command Syntax

The command has the following syntax:

> admin dhcp-relay port-stats (vlan-port) (clear-statistics)

Command Parameters

Table 222.2-1 "DHCP Relay User Port Management Command" Resource Parameters

Resource Identifier	Type	Description
(vlan-port)	Format:	Identification of the ip user
	(<eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	interface or vlan port
	<eqpt::portid> : <eqpt::vpiid> : <eqpt::vciid></eqpt::vciid></eqpt::vpiid></eqpt::portid>	
	<eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::portid></eqpt::portid>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::portid> : <eqpt::vpiid> : <eqpt::vciid> :</eqpt::vciid></eqpt::vpiid></eqpt::portid>	
	<eqpt::unstackedvlan></eqpt::unstackedvlan>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::portid> : <eqpt::unstackedvlan></eqpt::unstackedvlan></eqpt::portid>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<pre><eqpt::portid> : <eqpt::vpiid> : <eqpt::vciid> : stacked :</eqpt::vciid></eqpt::vpiid></eqpt::portid></pre>	
	<eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::portid>: stacked : <eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan></eqpt::portid>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid> / <eqpt::ontslotid> /</eqpt::ontslotid></eqpt::ontid></eqpt::ponid>	
	<eqpt::ontportid> : stacked : <eqpt::svlan> :</eqpt::svlan></eqpt::ontportid>	
	<eqpt::cvlan></eqpt::cvlan>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid> / <eqpt::ontslotid> /</eqpt::ontslotid></eqpt::ontid></eqpt::ponid>	
	<eqpt::ontportid> : <eqpt::unstackedvlan></eqpt::unstackedvlan></eqpt::ontportid>	
	<eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid> / <eqpt::ontslotid> /</eqpt::ontslotid></eqpt::ontid></eqpt::ponid>	
	<eqpt::ontportid></eqpt::ontportid>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	

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Resource Identifier	Type	Description
	<eqpt::ponid> / <eqpt::ontid> / voip : stacked :</eqpt::ontid></eqpt::ponid>	
1	<eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
1	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid> / vuni : stacked :</eqpt::ontid></eqpt::ponid>	
	<eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid> / voip :</eqpt::ontid></eqpt::ponid>	
	<eqpt::unstackedvlan></eqpt::unstackedvlan>	
	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid> / vuni :</eqpt::ontid></eqpt::ponid>	
I	<eqpt::unstackedvlan></eqpt::unstackedvlan>	
	<eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
	<eqpt::ponid> / <eqpt::ontid> / voip</eqpt::ontid></eqpt::ponid>	
I		
	<eqpt::ponid> / <eqpt::ontid> / vuni</eqpt::ontid></eqpt::ponid>	
I	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
I	<eqpt::ponid> / <eqpt::llid> : stacked :</eqpt::llid></eqpt::ponid>	
	<eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
I	vlan : <eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
I	<eqpt::ponid> / <eqpt::ontid> / <eqpt::llid> :</eqpt::llid></eqpt::ontid></eqpt::ponid>	
I	<eqp:::unstackedvlan></eqp:::unstackedvlan>	
	<eqpt::rackid> / <eqpt::shelfid> / <eqpt::slotid> /</eqpt::slotid></eqpt::shelfid></eqpt::rackid>	
I	<eqpt::ponid> / <eqpt::ontid> / <eqpt::llid></eqpt::llid></eqpt::ontid></eqpt::ponid>	
I	vlan:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
I	<eqpt::subchannelgroupid> / <eqpt::ng2ontid> /</eqpt::ng2ontid></eqpt::subchannelgroupid>	
I	<pre><eqpt::ng2ontslotid> / <eqpt::ng2ontportid> : stacked :</eqpt::ng2ontportid></eqpt::ng2ontslotid></pre>	
	<eqpt:: svlan=""> : <eqpt::cvlan></eqpt::cvlan></eqpt::>	
I	vlan:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
I	<eqpt::subchannelgroupid> / <eqpt::ng2ontid> /</eqpt::ng2ontid></eqpt::subchannelgroupid>	
I	<pre><eqpt::ng2ontslotid> / <eqpt::ng2ontportid> :</eqpt::ng2ontportid></eqpt::ng2ontslotid></pre>	
	<eqpt:: qzondoidd=""> / Cqpt:://qzondoidd> .</eqpt::>	
I	vlan:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
I	<pre><eqpt::subchannelgroupid> / <eqpt::ng2ontid> / vuni :</eqpt::ng2ontid></eqpt::subchannelgroupid></pre>	
I	<eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
I	vlan:ng2 : <eqpt::subchannelgroupid> /</eqpt::subchannelgroupid>	
	<eqpt::ng2ontid> / vuni : <eqpt::unstackedvlan>)</eqpt::unstackedvlan></eqpt::ng2ontid>	
I	Possible values:	
	- vlan : vlan port	
	- vlan : vlan port - vlan:ng2 : ngpon2 vlan port	
1	Field type <eqpt::rackid></eqpt::rackid>	
1	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
1	Field type <eqpt::slotid> - the LT slot number</eqpt::slotid>	
	Field type <eqpt::portid></eqpt::portid>	
1	- the port number	
I	Field type <eqpt::vpiid></eqpt::vpiid>	
	- atm VPI	
	Field type <eqpt::vciid></eqpt::vciid>	
1	- atm VCI	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
1	Field type <eqpt::channelgroupid></eqpt::channelgroupid>	
	- the channel group identifier	
	Field type <eqpt::subchannelgroupid></eqpt::subchannelgroupid>	
1	- the subchannel group identifier	

Resource Identifier	Туре	Description
	Field type <eqpt::ng2ontid></eqpt::ng2ontid>	
	- the NG2 ONT identifier	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the 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></eqpt::ontslotid>	
	- the ONT SLOT identifier	
	Field type <eqpt::ontportid></eqpt::ontportid>	
	- the ONT PORT identifier	
	Field type <eqpt::ng2ontslotid></eqpt::ng2ontslotid>	
	- the NGPON2 ONT SLOT identifier	
	Field type <eqpt::ng2ontportid></eqpt::ng2ontportid>	
	- the NGPON2 ONT PORT identifier	
	Field type <eqpt::llid></eqpt::llid>	
	- the LLID identifier,range 1 for EPON,range 1-8 for DPOE	
	Possible values:	
	- stacked : stacked vlan identity	
	Field type <eqpt::unstackedvlan></eqpt::unstackedvlan>	
	- unstacked vlan id	
	Field type <eqpt::svlan></eqpt::svlan>	
	- service vlan id	
	Field type <eqpt::cvlan></eqpt::cvlan>	
	- customer vlan id	

Table 222.2-2 "DHCP Relay User Port Management Command" Command Parameters

Parameter	Type	Description
(clear-statistics)	Format:	optional parameter
	clear-statistics	clear the IPoX counters
	Possible values:	
	- clear-statistics : clear the statistics	

222.3 DHCP Relay User Port Management Command

Command Description

This command allows the operator to manage the DHCP relay user port commands.

User Level

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

Command Syntax

The command has the following syntax:

> admin dhcp-relay v6-port-stats (vlan-port) (clear-statistics)

Command Parameters

Table 222.3-1 "DHCP Relay User Port Management Command" Resource Parameters

Resource Identifier	Type	Description
(vlan-port)	Format:	identification of vlan port
	(vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::portid> : <eqpt::vpiid> :</eqpt::vpiid></eqpt::portid></eqpt::slotid>	
	<eqpt::vciid>: stacked : <eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan></eqpt::vciid>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::portid> : <eqpt::vpiid> :</eqpt::vpiid></eqpt::portid></eqpt::slotid>	
	<eqpt::vciid> : <eqpt::unstackedvlan></eqpt::unstackedvlan></eqpt::vciid>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<pre><eqpt::slotid> / <eqpt::portid> : stacked : <eqpt::svlan> :</eqpt::svlan></eqpt::portid></eqpt::slotid></pre>	
	<eqpt::cvlan></eqpt::cvlan>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::portid> : <eqpt::unstackedvlan></eqpt::unstackedvlan></eqpt::portid></eqpt::slotid>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> /</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	<eqpt::ontslotid> / <eqpt::ontportid> : stacked :</eqpt::ontportid></eqpt::ontslotid>	
	<eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> /</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	<eqpt::ontslotid> / <eqpt::ontportid> :</eqpt::ontportid></eqpt::ontslotid>	
	<eqpt::unstackedvlan></eqpt::unstackedvlan>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ontid> / voip :</eqpt::ontid></eqpt::slotid>	
	stacked: <eqpt::svlan>: <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<pre><eqpt::slotid> / <eqpt::ontid> / vuni :</eqpt::ontid></eqpt::slotid></pre>	
	stacked : <eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	

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Resource Identifier	Type	Description
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> / voip :</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	<eqpt::unstackedvlan></eqpt::unstackedvlan>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> / vuni :</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	<eqpt::unstackedvlan></eqpt::unstackedvlan>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> /</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	<eqpt::llid> : <eqpt::unstackedvlan></eqpt::unstackedvlan></eqpt::llid>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> /</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	<eqpt::llid>: stacked : <eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan></eqpt::llid>	
	vlan-port:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
	<eqpt::subchannelgroupid> / <eqpt::ng2ontid> /</eqpt::ng2ontid></eqpt::subchannelgroupid>	
	<eqpt::ng2ontslotid> / <eqpt::ng2ontportid> :</eqpt::ng2ontportid></eqpt::ng2ontslotid>	
	<eqpt::unstackedvlan></eqpt::unstackedvlan>	
	vlan-port:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
	<eqpt::subchannelgroupid> / <eqpt::ng2ontid> /</eqpt::ng2ontid></eqpt::subchannelgroupid>	
	<eqpt::ng2ontslotid> / <eqpt::ng2ontportid> : stacked :</eqpt::ng2ontportid></eqpt::ng2ontslotid>	
	<eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
	vlan-port:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
	<eqpt::subchannelgroupid> / <eqpt::ng2ontid> / vuni)</eqpt::ng2ontid></eqpt::subchannelgroupid>	
	Possible values:	
	- vlan-port : vlan port	
	- vlan-port:ng2 : an NGPON2 vlan port	
	Field type <eqpt::rackid></eqpt::rackid>	
	- the rack number	
	Field type <eqpt::shelfid></eqpt::shelfid>	
	- the shelf number	
	Field type <eqpt::slotid></eqpt::slotid>	
	- the LT slot number	
	Field type <eqpt::portid></eqpt::portid>	
	- the port number	
	Field type <eqpt::vpiid></eqpt::vpiid>	
	- atm VPI	
	Field type <eqpt::vciid></eqpt::vciid>	
	- atm VCI	
	Field type <eqpt::channelgroupid></eqpt::channelgroupid>	
	- the channel group identifier	
	Field type <eqpt::subchannelgroupid></eqpt::subchannelgroupid>	
	- the subchannel group identifier	
	Field type <eqpt::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <eqpt::ng2ontid></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></eqpt::ontslotid>	
	- the ONT SLOT identifier	
	Field type <eqpt::ontportid></eqpt::ontportid>	
	- the ONT PORT identifier	

Resource Identifier	Type	Description
	Field type <eqpt::ng2ontslotid></eqpt::ng2ontslotid>	
	- the NGPON2 ONT SLOT identifier	
	Field type <eqpt::ng2ontportid></eqpt::ng2ontportid>	
	- the NGPON2 ONT PORT identifier	
	Field type <eqpt::llid></eqpt::llid>	
	- the LLID identifier,range 1 for EPON,range 1-8 for DPOE	
	Possible values:	
	- stacked : stacked vlan identity	
	Field type <eqpt::unstackedvlan></eqpt::unstackedvlan>	
	- unstacked vlan id	
	Field type <eqpt::svlan></eqpt::svlan>	
	- service vlan id	
	Field type <eqpt::cvlan></eqpt::cvlan>	
	- customer vlan id	

Table 222.3-2 "DHCP Relay User Port Management Command" Command Parameters

Parameter	Type	Description
(clear-statistics)	Format:	optional parameter
	clear-statistics	clear the DHCP v6 counters
	Possible values:	
	- clear-statistics : clear the statistics	