219- Bridge Management Commands

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219.1 Bridge Management Command Tree

Description

This chapter gives an overview of nodes that are handled by "Bridge Management Commands".

Command Tree

```
----admin
----bridge
----learned-unicast-mac
- (vlan-port)
- unicast-mac-address
- (delete)
----vlan-id
- (id)
- (delete-member-ports)
```

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219.2 Learned Unicast MAC Address Management Command

Command Description

This command allows the operator to remove dynamically learned MAC addresses.

User Level

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

Command Syntax

The command has the following syntax:

> admin bridge learned-unicast-mac (vlan-port) unicast-mac-address <Vlan::MacAddr> (delete)

Command Parameters

Table 219.2-1 "Learned Unicast MAC Address Management Command" Resource Parameters

Resource Identifier	Type	Description
(vlan-port)	Format:	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> : <eqpt::unstackedvlan></eqpt::unstackedvlan></eqpt::vciid>	
	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::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>	
	<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::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::ponid> / <eqpt::ontid> / voip :</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	stacked : <eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> / vuni :</eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	stacked : <eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	

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Resource Identifier	Type vian port Cantu Pool Id> Cantu ShalfId>	Description
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> / voip : <eqpt::unstackedvlan></eqpt::unstackedvlan></eqpt::ontid></eqpt::ponid></eqpt::slotid>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<pre><eqpt::slotid> / <eqpt::ponid> / <eqpt::ontid> / vuni :</eqpt::ontid></eqpt::ponid></eqpt::slotid></pre>	
	<pre><eqpt.:ontd> / <eqpt.:ontd> / vaiii .</eqpt.:ontd></eqpt.:ontd></pre>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<pre><eqpt::slotid> / <eqpt::ontid> /</eqpt::ontid></eqpt::slotid></pre>	
	<pre><eqpt::johndo <="" th=""><th></th></eqpt::johndo></pre>	
	vlan-port : <eqpt::rackid> / <eqpt::shelfid> /</eqpt::shelfid></eqpt::rackid>	
	<pre><eqpt::slotid> / <eqpt::ontid> /</eqpt::ontid></eqpt::slotid></pre>	
	<pre><eqpt::joinds <eqpt::llid="" ceqpt::onlds="" ceqpt::toinds="">: stacked : <eqpt::svlan> : <eqpt::cvlan></eqpt::cvlan></eqpt::svlan></eqpt::joinds></pre>	
	vlan-port:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
	<pre><</pre>	
	<pre><eqpt::ng2ontslotid> / <eqpt::ng2ontportid> : stacked :</eqpt::ng2ontportid></eqpt::ng2ontslotid></pre>	
	<eqpt:: <="" th="" vg2ontsionds=""><th></th></eqpt::>	
	vlan-port:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
	<pre><</pre>	
	<pre><eqpt::ng2ontslotid> / <eqpt::ng2ontportid> :</eqpt::ng2ontportid></eqpt::ng2ontslotid></pre>	
	<pre><eqpt:: gzointsiond=""> /</eqpt::></pre>	
	vlan-port:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
	<eqpt::subchannelgroupid> / <ng2::ontid> / vuni :</ng2::ontid></eqpt::subchannelgroupid>	
	stacked: <eqpt::svlan>: <eqpt::cvlan></eqpt::cvlan></eqpt::svlan>	
	vlan-port:ng2 : <eqpt::channelgroupid> /</eqpt::channelgroupid>	
	<eqpt::subchannelgroupid> / <ng2::ontid> / vuni :</ng2::ontid></eqpt::subchannelgroupid>	
	<eqpt::unstackedvlan>)</eqpt::unstackedvlan>	
	Possible values:	
	- vlan-port : vlan port	
	- vlan-port:ng2 : 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::ponid></eqpt::ponid>	
	- the PON identifier	
	Field type <eqpt::ontid></eqpt::ontid>	
	- the ONT identifier	
	Field type <eqpt::channelgroupid></eqpt::channelgroupid>	
	- the channel group identifier	
	Field type <eqpt::subchannelgroupid></eqpt::subchannelgroupid>	
	- the subchannel group identifier	
	Field type <ng2::ontid></ng2::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	

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Resource Identifier	Type	Description
	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	
unicast-mac-address	Parameter type: <vlan::macaddr></vlan::macaddr>	unicast mac address
	Format:	
	- mac address (aa:bb:cc:a1:02:03)	
	- unit: Byte	
	- length: 6	

Table 219.2-2 "Learned Unicast MAC Address Management Command" Command Parameters

Parameter	Type	Description
(delete)	Format:	optional parameter
	delete	delete a learned unicast mac
	Possible values:	address
	- delete : delete a unicast mac address	

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219.3 VLAN Management Command

Command Description

This command allows the operator to remove the association between a VLAN and all its member ports.

This command is the only means to remove dynamic associations.

Removal of the port VLAN association includes removal of all MAC addresses from the filtering database for these port-VLAN associations.

Any outstanding duplicate MAC alarms for the port are cleared.

User Level

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

Command Syntax

The command has the following syntax:

> admin bridge vlan-id (id) [(delete-member-ports)]

Command Parameters

Table 219.3-1 "VLAN Management Command" Resource Parameters

Resource Identifier	Type	Description
(id)	Format:	vlan id
	(<vlan::uvlanindex></vlan::uvlanindex>	
	stacked : <vlan::svlanindex> : <vlan::cvlanindex>)</vlan::cvlanindex></vlan::svlanindex>	
	Possible values:	
	- stacked : stacked vlan identity	
	Field type <vlan::uvlanindex></vlan::uvlanindex>	
	- unstacked vlan identity	
	- range: [14093,4096]	
	Field type <vlan::svlanindex></vlan::svlanindex>	
	- service vlan identity	
	- range: [24093]	
	Field type <vlan::cvlanindex></vlan::cvlanindex>	
	- customer vlan identity	
	- range: [04093]	

Table 219.3-2 "VLAN Management Command" Command Parameters

Parameter	Type	Description
(delete-member-ports)	Format:	optional parameter
_	delete-member-ports	remove association between a
	Possible values:	vlan and all it's bridge ports
	- delete-member-ports : remove associated bridge ports	

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