219- Bridge Management Commands

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)

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 : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> : <Eqpt::VpiId> : <Eqpt::VciId> : <Eqpt::UnstackedVlan> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> : <Eqpt::UnstackedVlan> | 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> : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | 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> | vlan-port : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / vuni : stacked : <Eqpt::SVlan> : <Eqpt::CVlan>	vlan port

Resource Identifier	Type	Description
	| 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> / <Ng2::OntId> / <Eqpt::Ng2OntSlotId> / <Eqpt::Ng2OntPortId> : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Ng2::OntId> / <Eqpt::Ng2OntSlotId> / <Eqpt::Ng2OntPortId> : <Eqpt::UnstackedVlan> | vlan-port:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Ng2::OntId> / vuni : stacked : <Eqpt::SVlan> : <Eqpt::CVlan> | vlan-port:ng2 : <Eqpt::ChannelGroupId> / <Eqpt::SubChannelGroupId> / <Ng2::OntId> / vuni : <Eqpt::UnstackedVlan>) Possible values: - vlan-port : vlan port - vlan-port:ng2 : 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::PonId> - the PON identifier Field type <Eqpt::OntId> - the ONT identifier Field type <Eqpt::ChannelGroupId> - the channel group identifier Field type <Eqpt::SubChannelGroupId> - the subchannel group identifier Field type <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	

Resource Identifier	Type	Description
	Field type <Eqpt::OntSlotId> - 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	
unicast-mac-address	Parameter type: <Vlan::MacAddr> Format: - mac address (aa:bb:cc:a1:02:03) - unit: Byte - length: 6	unicast mac address

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

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

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::UVlanIndex> | stacked : <Vlan::SVlanIndex> : <Vlan::CVlanIndex>) Possible values: - stacked : stacked vlan identity Field type <Vlan::UVlanIndex> - unstacked vlan identity - range: [1...4093,4096] Field type <Vlan::SVlanIndex> - service vlan identity - range: [2...4093] Field type <Vlan::CVlanIndex> - customer vlan identity - range: [0...4093]	vlan id

Table 219.3-2 "VLAN Management Command" Command Parameters

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