PBB Command Reference

Command Hierarchies

Global Commands

```
config
    — service
        — [no] vpls service-id [customer customer-id] [vpn vpn-id] [m-vpls] [b-vpls|i-vpls] [create]
            — [no] spb instance [fid value] [create]
                — [no] shutdown
                — level level-number
                    — bridge-priority value
                    — ect-algorithm name fid-range fid-range
                    — forwarding-tree-topology[st|spf]
                — lsp-lifetime seconds
                — no lsp-lifetime
                — lsp-wait lsp-wait [lsp-initial-wait [lsp-second-wait]]
                — overload [timeout seconds]
                — no overload
                — overload-on-boot [timeout seconds]
                — no overload-on-boot
                — [no] spf-wait spf-wait [spf-initial-wait [spf-second-wait]]
            — spbm-control-vpls mgmt vpls svc id fid val
            — no spbm-control-vpls
            — mrp
                — [no] attribute-table-high-wmark high-water-mark
                — [no] attribute-table-low-wmark low-water-mark
                — [no] attribute-table-size max-attributes
                — flood-time flood-time
                — no flood-time
                — [no] shutdown
        — mrp
            — [no] mrp-policy policy-name
                — description description-string
                — no description
                — scope {exclusive | template}
                — no scope
                — default-action {block | allow}
```

— [**no**] **entry** *entry-id*
   — **description** *description-string*
   — **no description**
   — [**no**] **match**
      — [**no**] **isid** *value* | **from** *value* **to** *higher-value*
   — **action** {**block** | **allow** | **end-station**}
   — **no action**
— **copy mrp-policy** *source-name* **to** *dest-name*
   — **renum** *old-entry-id* **to** *new-entry-id*

config
   — **service**
      — **pbb**
         — **mac-name** *name ieee-address*
         — **no mac-name**
         — **source-bmac** *ieee-address*
         — **no source-bmac**

config
   — **service**
      — [**no**] **vpls** *service-id* [**customer** *customer-id*] [**b-vpls**] [**create**]
         — **pbb**
            — [**no**] **force-qtag-forwarding**
            — **source-bmac** *ieee-address*
            — **no source-bmac**
            — [**no**] **use-sap-bmac**
            — **mac-notification**
               — [**no**] **count value**
               — [**no**] **interval value**
               — **renotify value**
               — **no renotify**

config
   — **service**
      — [**no**] **vpls** *service-id* [**customer** *customer-id*] [**i-vpls**] [**create**]
         — **pbb**
            — **backbone-vpls** *service-id* [**isid** *isid*]
            — **no backbone-vpls**
               — **igmp-snooping**
                   — [**no**] **mrouter-dest** *mac-name*
               — [**no**] **sap** *sap-id*
                   — **igmp-snooping**
                       — [**no**] **mrouter-port**
               — [**no**] **sdp** *sdp-id:vc-id*
                   — **igmp-snooping**
                       — [**no**] **mrouter-port**
               — [**no**] **stp**
            — [**no**] **force-qtag-forwarding**
            — [**no**] **send-bvpls-flush** {[**all-from-me**] | [**all-but-mine**]}

config
   — **service**

— **epipe** *service-id* [**customer** *customer-id*] [**create**] [**vpn** *vpn-id*] [**vc-switching**]
— **no epipe** *service-id*
    — **pbb**
        — [**no**] **force-qtag-forwarding**

SAP Commands

config
  — **service**
    — [**no**] **vpls** *service-id* [**customer** *customer-id*] [**vpn** *vpn-id*] [**mvpls**] [**b-vpls|i-vpls**] [**create**]
      — **sap** *sap-id* [**split-horizon-group** *group-name*] [**create**] [**capture-sap**]
      — **no sap** *sap-id*
        — **mrp**
          — [**no**] **join-time** *value*
          — [**no**] **leave-all-time** *value*
          — [**no**] **leave-time** *value*
          — [**no**] **mrp-policy** *policy-name*
          — [**no**] **periodic-time** *value*
          — [**no**] **periodic-timer**
      — [**no**] **spb create**
        — [**no**] **shutdown**
        — **lsp-pacing-interval** *milliseconds*
        — **no lsp-pacing-interval**
        — **retransmit-interval** *seconds*
        — **no retransmit-interval**
        — **metric** *value*
        — **no metric**
          — **hello-interval***seconds*
          — **no hello-interval**
          — **hello-multiplier** *multiplier*
          — **no hello-multiplier**

Mesh SDP Commands

config
  — **service**
    — [**no**] **vpls** *service-id* [**customer** *customer-id*] [**vpn** *vpn-id*] [**mvpls**] [**b-vpls|i-vpls**] [**create**]
      — **mesh-sdp** *sdp-id*[:*vc-id*] [**vc-type** {**ether** | **vlan**}]
      — **no mesh-sdp** *sdp-id*[:*vc-id*]
        — **mrp**
          — [**no**] **join-time** *value*
          — [**no**] **leave-all-time** *value*
          — [**no**] **leave-time** *value*
          — [**no**] **mrp-policy** *policy-name*
          — [**no**] **periodic-time** *value*
          — [**no**] **periodic-timer**

Spoke SDP Commands

config
  — **service**
    — [**no**] **vpls** *service-id* [**customer** *customer-id*] [**vpn** *vpn-id*] [**mvpls**] [**b-vpls|i-vpls**] [**create**]

— **spoke-sdp** *sdp-id*[:*vc-id*] [**vc-type** {**ether** | **vlan**}] [**split-horizon-group** *group-name*]
— **no spoke-sdp** *sdp-id*[:*vc-id*]
    — **mrp**
        — [**no**] **join-time** *value*
        — [**no**] **leave-all-time** *value*
        — [**no**] **leave-time** *value*
        — [**no**] **mrp-policy** *policy-name*
        — [**no**] **periodic-time** *value*
        — [**no**] **periodic-timer**
    — [**no**] **spb create**
        — [**no**] **shutdown**
        — **lsp-pacing-interval** *milliseconds*
        — **no lsp-pacing-interval**
        — **retransmit-interval** *seconds*
        — **no retransmit-interval**
        — **metric** *value*
        — **no metric**
            — **hello-interval***seconds*
            — **no hello-interval**
            — **hello-multiplier** *multiplier*
            — **no hello-multiplier**

Show Commands

show
— **eth-cfm**
    — **association** [*ma-index*] [**detail**]
    — **cfm-stack-table** [**port** *port-id* [**vlan** *vlan-id*]] | **sdp** *sdp-id[:vc-id*] [**level** *0..7*] [**direction** *up|down*]
    — **domain** [*md-index*] [**association** *ma-index* | **all-associations** [**detail**]]
    — **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**loopback**] [**linktrace**]
— **service**
    — **id** *service-id*
        — **i-vpls**
        — **mrp-policy mac** [*ieee-address*]
        — **mrp**
        — **spb**
            — **adjacency** [**detail**]
            — **base**
            — **database**
            — **fate-sharing**
            — **fid** [*fid*] **fate-sharing**
            — **fid** [*fid*] **user-service**
            — **fid** [*fid*] **fdb**
            — **fid** [*fid*] **mfib** [**group-mac** *<ieee-address>*]
            — **fid** [*fid*] **mfib** [**isid** *<isid>*]
            — **hostname**
            — **interface**
            — **mfib** [**detail**]
            — **routes**
            — **spf**
            — **spf-log**
            — **status**
    — **mrp-policy** [*mrp-policy*]
    — **mrp-policy** *mrp-policy* [**association**]

— **mrp-policy** *mrp-policy* [**entry** *entry-id*]
— **pbb**
— **base**
— **mac-name** [**detail**]

Clear Commands

clear
— **service**
— **statistics**
— **id** *service-id*
— **counters**
— **mesh-sdp** *sdp-id[:vc-id]* {**all** | **counters** | **stp** | **mrp**}
— **mrp**
— **spoke-sdp** *sdp-id[:vc-id]* {**all** | **counters** | **stp** | **mrp**}
— **stp**
— **spb**
— **adjacency** [**detail**]
— **database**
— **spf-log**
— **status**
— **sap** *sap-id* {**all** | **counters** | **stp** | **l2pt** | **mrp**}

Debug Commands

debug
— **service**
— **id** *service-id*
— [**no**] **mrp**
— **all-events**
— [**no**] **applicant-sm**
— [**no**] **leave-all-sm**
— [**no**] **mmrp-mac** *ieee-address*
— [**no**] **mrpdu**
— [**no**] **periodic-sm**
— [**no**] **registrant-sm**
— [**no**] **sap** *sap-id*
— [**no**] **sdp** *sdp-id:vc-id*
— [**no**] **spb**
— [**no**] **adjacency** {**sap** *sap-id* | **spoke-sdp** *sdp-id:vc-id* | *nbr-system-id*}
— [**no**] **interface** { **sap** <*sap-id*> | **spoke-sdp** <*sdp-id:vc-id*>}
— [**no**] **l2db**
— [**no**]**lsdb** {*system-id* | *lsp-id* }
— [**no**] **packet** { **ptop-hello l1-hello l1-psnp l1-csnp l1-lsp**} **detail**
— [**no**] **spf** { *system-id* }