EVPN Command Reference

Command Hierarchies

config
— **service**
— **vpls** *service-id* [**customer** *customer-id*] [**vpn** *vpn-id*] [**m-vpls**] [**b-vpls** | **i-vpls**] [**create**]
— **no vpls** *service-id*
— **bgp**
— **route-distinguisher** [*ip-addr:comm-val* | *as-number:ext-comm-va*l | **auto-rd**]
— **no route-distinguisher**
— **route-target** {*ext-community* | {[**export** *ext-community*] [**import** *ext-community*]}}
— **no route-target**
— **vsi-export** *policy-name* [*policy-name...*(up to 5 max)]
— **no vsi-export**
— **vsi-import** *policy-name* [*policy-name...*(up to 5 max)]
— **no vsi-import**
— [**no**] **bgp-evpn**
— [**no**] **cfm-mac-advertisement**
— [**no**] **evi** *value*
— [**no**] **ip-route-advertisement** [**incl-host**]
— [**no**] **mac-advertisement**
— **mac-duplication**
— **detect** **num-moves** *num-moves* **window** *minutes*
— [**no**] **retry** *minutes*
— **mpls**
— **auto-bind-tunnel**
— **resolution** {**disabled**|**any**|**filter**}
— **resolution-filter**
— [**no**] **bgp**
— [**no**] **ldp**
— [**no**] **rsvp**
— [**no**] **sr-isis**
— [**no**] **sr-ospf**
— [**no**] **control-word**
— **ecmp** *max-ecmp-routes*
— [**no**] **force-vlan-vc-forwarding**
— [**no**] **ingress-replication-bum-label**
— [**no**] **shutdown**
— [**no**] **split-horizon-group**
— [**no**] **unknown-mac-route**
— **vxlan**
— [**no**] **shutdown**
— **pbb**
— [**no**] **use-es-bmac**
— [**no**] **proxy-arp**
— [**no**] **age-time** *seconds*

— **dup-detect** [**anti-spoof-mac** *mac-address*] **window** *minutes* **num-moves** *count* **hold-down** *minutes|max*
— [**no**] **dynamic-arp-populate**
— [**no**] **garp-flood-evpn**
— [**no**] **send-refresh** *seconds*
— [**no**] **static** *ip-address ieee-address*
— **table-size** *table-size*
— [**no**] **unknown-arp-request-flood-evpn**
— [**no**] **shutdown**
— [**no**] **proxy-nd**
   — [**no**] **age-time** *seconds*
   — **dup-detect** [**anti-spoof-mac** *mac-address*] **window** *minutes* **num-moves** *count* **hold-down** *minutes|max*
   — [**no**] **dynamic-nd-populate**
   — [**no**] **evpn-nd-advertise**
   — [**no**] **host-unsolicited-na-flood-evpn**
   — [**no**] **router-unsolicited-na-flood-evpn**
   — [**no**] **send-refresh** *seconds*
   — [**no**] **static** *ip-address ieee-address* {**host** | **router**}
   — **table-size** *table-size*
   — [**no**] **unknown-ns-flood-evpn**
   — [**no**] **shutdown**
   —
— **static-mac**
   — **mac** *ieee-address* [**create**] **sap** *sap-id* **monitor** *fwd-status*
   — **mac** *ieee-address* [**create**] **spoke-sdp** *sdp-id:vc-id* **monitor** *fwd-status*
   — **no mac** *ieee-address*
— **vsd-domain** *name*
— **no vsd-domain** **vni**
— **vxlan** **vni** *vni-id* **create**
— **no vxlan** **vni**
— **vprn**
   — **interface**
      — **vpls**
         — [**no**] **evpn-tunnel**
— **vsd**
   — **domain** *name* [**type** {**l2-domain|vrf-gre|vrf-vxlan|l2-domain-irb**}] [**create**]
   — [**no**] **domain** *name*
      — **description** *discription -string*
      — [**no**] **description**
      — **shutdown**
      — [**no**] **shutdown**
   — **service-range** *svc-id* **to** *sve-id*

config
   — **service**
      — **system**
         — [**no**] **bgp-auto-rd-range** *ip-address* **comm-val** [1..65535] **to** [1..65535]
         — [**no**] **bgp-evpn**
            — **route-distinguisher** *rd*
            — **no ethernet-segment** *name* [**ceate**]
               — [**no**] **es-activation-timer** *seconds*
               — [**no**] **esi** *esi*
               — [**no**] **lag** *lag-id*

— **[no] multi-homing** {**single-active** [**no-esi-label**]
— **[no] port** *port-id*
— **[no] sdp** *sdp-id*
— **service-carving**
　　— **mode** {**manual** | **auto** | **off**}
　　— **manual**
　　　　— **[no] evi** *start* [**to** *to*] **primary**
　　　　— **[no] isid** *start* [**to** *to*] **primary**
— **[no] shutdown**
— **[no] source-bmac-lsb** *MAC Lsb* [**ex-bmac-table-size** *size*]

config
　— **redundancy**
　　　— **bgp-evpn-multi-homing**
　　　　　— **boot-timer** *seconds*
　　　　　— **es-activation-timer** *seconds*

config
　— **system**
　　　— **vsd**
　　　　　— **system-id** *name*
　　　　　— **[no] system-id**
　　　— **xmpp**
　　　　　— **server** *xmpp-server-name* [**domain-name fqdn**] [**username** *user-name*] [**password** *password*] [**create**]
　　　　　— **[no] server** *xmpp-server-name*
　　　　　　　— **[no] shutdown**
　　　— **security**
　　　　　— **cli-script**
　　　　　　　— **authorization**
　　　　　　　　　— **vsd**
　　　　　　　　　　　— **[no] cli-user** *user-name*
　　　　　— **password**
　　　　　　　— **vsd-password**

config
　— **router**
　　　— **bgp**
　　　　　— **group**
　　　　　　　— **neighbor** *ip-address*
　　　　　　　　　— **def-recv-evpn-encap** [*mpls* | *vxlan*]

config
　— **python**
　　　— **python-policy** *name*
　　　　　— **vsd script** *script*

enable-vsd-config *name*

Show Commands

show
— **service**
— **id** *service-id*
— **bgp-evpn**
— **proxy-arp**
— **vxlan**
— **es-pbr**
— **evpn-mpls**
— **esi** *esi*
— **es-bmac** *ieee-address*
— **service-using** [vsd] [origin *creation-origin*]
— **system**
— **bgp-evpn**
— **ethernet-segment name** *name* **[all]**
— **ethernet-segment name** *name* **evi** [*evi*]
— **ethernet-segment name** *name* **isid** [*isid*]
— **vsd** [vsd] [origin *creation-origin*]
— **domain** [*domain-name*] [*association*]
— **root-objects**
— **script**
— **snippets** *snippet-name* [**instance** *snippet-instance*] [**detail**]
— **statistics**
— **summary**
— **vxlan [VTEP** *ip-address***]**
— **evpn-mpls [TEP** *ip-address***]**

show
— **system**
— **vsd**
— **domain**
— **xmpp**
— **server**
— **vsd**

show
— **redundancy**
— **bgp-evpn-multi-homing**

Clear Commands

clear
— **service**
  — **statistics**
    — **vsd**
      — **domain** *name*
      — **scripts** *name*

clear
— **system**
  — **statistics**
    — **xmpp**
      — **server** *xmpp-server-name*

Debug Commands

debug
— **system**
  — **xmpp** **[connection] [gateway] [message] [vsd] [iq] [all]**
  — **[no] xmpp**
— **vsd**
  — **scripts**
    — **[no] event**
      — **[no] cli**
      — **[no] errors**
      — **[no] executed-cmd**
      — **[no] state-change**
      — **[no] warnings**
    — **instance** *instance*
      — **[no] event**
      — **[no] cli**
      — **[no] errors**
      — **[no] executed-cmd**
      — **[no] state-change**
      — **[no] warnings**

Tools Commands

tools
— **dump**
  — **service**
    — **domain-to-vsd-mapping**
      — **domain** **name** *name*
    — **evpn**
      — **usage**
    — **id** *service-id*
      — **evpn-mpls [clear] [default-multicast-list]**

— **vxlan** [**clear**]
— **evpn**
— **usage**
— **system**
— **bgp-evpn**
— **ethernet-segment** *name* **evi** *evi* **df**
— **ethernet-segment** *name* **isid** *isid* **df**
— **vsd-services**
— **command-list**
— **vxlan** [*vtep*]
— **dup-vtep-egrvni** [**clear**]

tools
— **perform**
— **service**
— **vsd**
— **domain**
— **name** [*name*] **refresh-config**
— **fd-domain-sync** {**full** | **diff**}
— **evaluate-script** **domain-name** [*64 chars max*] **type** [*type*] **action** *script-action* [**vni** *vni-id*] [**rt-i** *ext-community*] [**rt-e** *ext-community*] [**metadata** *metadata*] **policy** *python-policy*

tools
— **perform**
— **system**
— **xmpp**
— **vsd-refresh**