
Tools Command Reference

Command Hierarchies

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Configuration Commands

Tools Dump Commands

tools

— dump

- **aps** *aps-id* [clear]
- **aps mc-aps-signaling** [clear]
- **aps mc-aps-ppp** [clear]
- **lag** *lag-id lag-id*
- **ldp-treetrace** {**prefix** *ip-prefix/mask* | **manual-prefix** *ip-prefix/mask*} [**path-destination** *ip-address*] [**trace-tree**]
- **map-to-phy-port** {**ccag** *ccag-id* | **lag** *lag-id* | **eth-tunnel** *tunnel-index*} { **isid** *isid* [**end-isid** *isid*] | **service** *service-id* | *svc-name* [**end-service** *service-id* | *svc-name*]} [**summary**]
- **nat**
 - **deterministic-mapping** **outside-ip** *ipv4-address* **router** *router-instance* **outside-port** [1..65535]
 - **histogram** **router** *router-instance* **pool** *pool-name* **bucket-size** [1..65536] **num-buckets** [2..50]
 - **isa**
 - **resources** **mda** *mda-id*
 - **sessions** [**nat-group** *nat-group-id*] [**mda** *mda-id*] [**protocol** {icmp|tcp|udp}] [**inside-ip** *ip-address*] [**inside-router** *router-instance*] [**inside-port** *port-number*] [**outside-ip** *ipv4-address*] [**outside-port** *port-number*] [**foreign-ip** *ipv4-address*] [**foreign-port** *port-number*] [**dslite-address** *ipv6-address*] [**destination-ip** *ipv4-address*] [**destination-port** *port-number*] [**wlan-gw-ue** *ieee-address*]
- **persistence**
 - **submgt** [**record** *record-key*]
 - **summary**
- **ppp** *port-id*
- **redundancy**
 - **multi-chassis**
 - **mc-endpoint** **peer** *ip-address*
 - **mc-ring**
 - **mc-ring** **peer** *ip-address* [**ring** *sync-tag*]
 - **srrp-sync-database** [**instance** *instance-id*] [**peer** *ip-address*]
 - **sync-database** [**peer** *ip-address*] [**port** *port-id* | *lag-id*] [**sync-tag** *sync-tag*] [**application** *application*] [**detail**] [**type** *type*]
- **router** *router-instance*
 - **dhcp**
 - **group-if-mapping** [clear]

- **group-if-stats** [clear]
- **ldp**
 - **fec prefix** *ip-prefix/mask*
 - **fec vc-type** {**ethernet**|**vlan**} **vc-id** *vc-id*
 - **instance**
 - **interface** [*ip-int-name* | *ip-address*]
 - **memory-usage**
 - **peer** *ip-address*
 - **session** [*ip-addr[:label-space]*] [**connection**|**peer**|**adjacency**]
 - **sockets**
 - **timers**
- **mpls**
 - **ftn** [**endpoint** *endpoint* | **sender** *sender* | **nexthop** *nexthop* | **lsp-id** *lsp-id* | **tunnel-id** *tunnel-id* | **label** *start-label end-label*]
 - **ilm** [**endpoint** *endpoint* | **sender** *sender* | **nexthop** *nexthop* | **lsp-id** *lsp-id* | **tunnel-id** *tunnel-id* | **label** *start-label end-label*]
 - **lspinfo** [*lsp-name*] [**detail**]
 - **memory-usage**
 - **te-lspinfo** [**endpoint** *ip-address*] [**sender** *ip-address*] [**lspid** *lsp-id*] [**detail**] [**p2p** | *p2p-tid tunnel-id*]
 - **te-lspinfo** [**endpoint** *ip-address*] [**sender** *ip-address*] [**lspid** *lsp-id*] [**detail**] [**p2p** | *p2p-tid tunnel-id*] { [**phops**] [**nhops**] [**s2l** *ip-address*] } }
 - **tp-tunnel** *lsp-name* [clear]
 - **tp-tunnel id** *tunnel-id* [clear]
 - **free-tunnel-id** *start-range end-range*
- **ospf**
- **ospf3**
 - **abr** [**detail**]
 - **asbr** [**detail**]
 - **bad-packet** *interface-name*
 - **leaked-routes** [**summary** | **detail**]
 - **memory-usage** [**detail**]
 - **request-list** [**neighbor** *ip-address*] [**detail**]
 - **request-list virtual-neighbor** *ip-address area-id area-id* [**detail**]
 - **retransmission-list** [**neighbor** *ip-address*] [**detail**]
 - **retransmission-list virtual-neighbor** *ip-address area-id area-id* [**detail**]
 - **route-summary**
 - **route-table** [**type**] [**detail**]
- **pim**
 - **iom-failures** [**detail**]
- **rsvp**
 - **psb** [**endpoint** *endpoint-address*] [**sender** *sender-address*] [**tunnelid** *tunnel-id*] [**lspid** *lsp-id*]
 - **rsb** [**endpoint** *endpoint-address*] [**sender** *sender-address*] [**tunnelid** *tunnel-id*] [**lspid** *lsp-id*]
 - **tcsb** [**endpoint** *endpoint-address*] [**sender** *sender-address*] [**tunnelid** *tunnel-id*] [**lspid** *lsp-id*]
- **static-route** **ldp-sync-status**
- **web-rd**
 - **http-client** [*ip-prefix/mask*]
- **service**
 - **base-stats** [clear]
 - **iom-stats** [clear]
 - **id**
 - **provider-tunnels**

- **l2pt-diags**
- **l2pt-diags clear**
- **l2pt-diags detail**
- **mc-endpoint** *mc-ep-id*
- **radius-discovery** [**svc-id** *service-id*]
- **vpls-fdb-stats** [**clear**]
- **vpls-mfib-stats** [**clear**]
- **system-resources** *slot-number*

Tools Perform Commands

```

tools
  — perform
    — aps
      — clear aps-id {protect | working}
      — exercise aps-id {protect | working}
      — force aps-id {protect | working}
      — lockout aps-id
      — request aps-id {protect | working}
    — cron
      — action
        — stop [action-name] [owner action-owner] [all]
      — tod
        — re-evaluate
          — customer customer-id [site customer-site-name]
          — filter filter-type [filter-id]
          — service id service-id [sap sap-id]
          — tod-suite tod-suite-name
    — lag
      — clear-force all-mc
      — clear-force lag-id lag-id [sub-group sub-group-id]
      — clear-force peer-mc ip-address
      — force all-mc {active | standby}
      — force lag-id lag-id [sub-group sub-group-id] {active | standby}
      — force peer-mc peer-ip-address {active | standby}
    — log
      — test-event
    — persistence
      — downgrade target-version target [reboot]
    — redundancy
      — [no] forced-single-sfm-overload
      — issu-post-process
      — multi-chassis
        — mc-ipsec
          — force-switchover tunnel-group local-group-id [now] [to
            {master|standby}]
          — sync-database-reconcile [peer ip-address] [port port-id]lag-id [sync-tag
            sync-tag] [application application]
    — router [router-instance]
      — consistency
      — isis
        — ldp-sync-exit
        — run-manual-spf
      — mcac
        — recalc policy policy-name [bundle bundle-name] protocol {igmp|pim}
          interface interface-name
      — l2tp
        — group tunnel-group-name
          — [no] drain
          — stop
          — tunnel tunnel-name
            — [no] drain
            — start
            — stop

```

- **mpls** *ip-address* [**udp-port** *port*]
 - [**no**] **drain**
 - **session stop** *connection-id*
 - **tunnel** *connection-id*
 - [**no**] **drain**
 - **stop**
 - **mpls**
 - **adjust-autobandwidth** [**lsp** *lsp-name* [**force** [**bandwidth** *mbps*]]]
 - **cspf to ip-addr** [**from** *ip-addr*] [**bandwidth** *bandwidth*] [**include-bitmap** *bitmap*] [**exclude-bitmap** *bitmap*] [**hop-limit** *limit*] [**exclude-address** *excl-addr* [*excl-addr...*(up to 8 max)]] [**use-te-metric**] [**strict-srlg**] [**srlg-group** *grp-id...*(up to 8 max)] [**exclude-node** *excl-node-id* [*excl-node-id* *..*(up to 8 max)]] [**skip-interface** *interface-name*] [**ds-class-type** *class-type*] [**cspf-reqtype** *req-type*] [**least-fill-min-thd** *thd*] [**setup-priority** *val*] [**hold-priority** *val*]
 - **resignal lsp** *lsp-name* **path** *path-name* **delay** *minutes*
 - **resignal** {**p2mp-lsp** *p2mp-lsp-name* **p2mp-instance** *p2mp-instance-name* | **p2mp-delay** *p2mp-minutes*}
 - **trap-suppress** *number-of-traps* *time-interval*
 - **tp-tunnel**
 - **clear** {*lsp-name* | **id** *tunnel-id*}
 - **force** {*lsp-name* | **id** *tunnel-id*}
 - **manual** {*lsp-name* | **id** *tunnel-id*}
 - **lockout** {*lsp-name* | **id** *tunnel-id*}
 - **ospf** [*ospf-instance*]
 - **ldp-sync-exit**
 - **refresh-lsas** [*lsa-type*] [*area-id*]
 - **run-manual-spf** *externals-only*
 - **ospf3** [*ospf-instance*]
 - **refresh-lsas** [*lsa-type*] [*area-id*]
 - **run-manual-spf** *externals-only*
 - **security**
 - **authentication-server-check** *server-address ip-address* [**port** *port*] **user-name** *DHCP client user name* **password** *password* **secret** *key* [**source-address** *ip-address*] [**timeout** *seconds*] [**router** *router-instance*]
 - **service**
 - **egress-multicast-group** *group-name*
 - **force-optimize**
 - **eval-pw-template** *policy-id* [**allow-service-impact**]
 - **id** *service-id*
 - **endpoint** *endpoint-name*
 - **force-switchover** *sdp-id:vc-id*
 - **no force-switchover**
 - **force-switchover** **spoke-sdp-fec** [1..4294967295]
 - **eval-pw-template** *policy-id* [**allow-service-impact**]
 - **mcac sap** *sap-id* **recalc** **policy** *policy-name* [**bundle** *bundle-name*]
 - **mcac sdp** *sdp-id:vc-id* **recalc** **policy** *policy-name* [**bundle** *bundle-name*]
 - **pw-routing**
 - **spoke-sdp-fec-release** *global-id[:prefix[:ac-id]]*
- tools**
- **perform**
 - **subscriber-mgmt**
 - **edit-lease-state** **sap** *sap-id* **ip** *ip-address* [**subscriber** *sub-ident-string*] [**sub-profile-string** *sub-profile-string*] [**sla-profile-string** *sla-profile-string*]

- **edit-lease-state** *svc-id service-id ip ip-address* [**subscriber** *sub-ident-string*] [**sub-profile-string** *sub-profile-string*] [**sla-profile-string** *sla-profile-string*]
- **eval-lease-state** [**svc-id** *service-id*] [**sap** *sap-id*] [**subscriber** *sub-ident-string*] [**ip** *ip-address*]
- **forcerenew** **svc-id** *service-id* {**ip** *ip-address[/mask]>*|**mac** *ieee-address*}
- **forcerenew** {**interface** *interface-name* | **sap** *sap-id*|**sdp** *sdp-id:vc-id*} [**ip** *ip-address[/mask]* | **mac** *ieee-address*]
- **re-ident-sub** *old-sub-ident-string* **to** *new-sub-ident-string*
- **remap-lease-state** **old-mac** *ieee-address* **mac** *ieee-address*
- **remap-lease-state** **sap** *sap-id* [**mac** *ieee-address*]