
Mirror Service Command Reference

Command Hierarchies

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Mirror Configuration Commands

```

config
  — mirror
    — mirror-dest service-id [type mirror-type] [create]
    — no mirror-dest service-id
      — description description-string
      — no description
      — [no] enable-port-id
      — encap
        — layer-3-encap {ip-udp-shim | ip-gre} [create]
        — no layer-3-encap
        — direction-bit
        — no direction-bit
        — router {router-instance | service-name service-name}
        — no router
        — gateway [create]
        — no gateway
          — ip src ip-address dest ip-address
          — no ip
          — udp src udp-port dest udp-port
          — no udp
      — endpoint endpoint-name [create]
      — no endpoint endpoint-name
        — description description-string
        — no description
        — revert-time {revert-time | infinite}
        — no revert-time
    — fc fc-name
    — no fc
    — isa-aa-group aa-group-id traffic-direction
    — [no] remote-source
      — far-end ip-address [vc-id vc-id ] [ing-svc-label ing-vc-label | tldp] [icb]
      — no far-end ip-address
      — spoke-sdp sdp-id:vc-id [create] [no-endpoint]
      — spoke-sdp sdp-id:vc-id [create] endpoint <name> [icb]
      — no spoke-sdp sdp-id:vc-id

```

```

— [no] control-channel-status
— [no] acknowledgment
— refresh-timer value
— no refresh-timer
— request-timer timer1 retry-timer timer2 [timeout-multiplier multiplier]
— no request-timer
— [no] shutdown
— [no] control-word
— egress
— l2tpv3 egress-vc-label
— no l2tpv3 [egress-vc-label]
— ingress
— l2tpv3
— cookie <cookie1> <cookie2>
— vc-label ingress-vc-label
— no vc-label [ingress-vc-label]
— [no] pw-path-id
— agi route-identifier
— no agi
— saii-type2 global-id:node-id:ac-id
— no saii-type2
— taii-type2 global-id:node-id:ac-id
— no taii-type2
— [no] shutdown
— sap sap-id [create] [no-endpoint]
— sap sap-id [create] endpoint name
— no sap
— cem
— packet jitter-buffer milliseconds [payload-size bytes]
— packet payload-size bytes
— no packet
— [no] rtp-header
— egress
— ip-mirror
— sa-mac ieee-address da-mac ieee-address
— no sa-mac
— qos policy-id
— no qos
—
— service-name service-name
— no service-name
— [no] shutdown
— slice-size bytes
— no slice-size
— spoke-sdp sdp-id:vc-id [create] [no-endpoint]
— spoke-sdp sdp-id:vc-id [create] endpoint name [icb]
— no spoke-sdp sdp-id:vc-id
— [no] control-channel-status
— [no] acknowledgment
— refresh-timer value
— no refresh-timer
— request-timer timer1 retry-timer timer2 [timeout-multiplier multiplier]

```

- **no request-timer**
- **[no] shutdown**
- **[no] control-word**
- **egress**
 - **l2tpv3** *egress-vc-label*
 - **no l2tpv3** [*egress-vc-label*]
 - **l2tpv3**
 - **cookie** <*cookie*>
- **ingress**
 - **l2tpv3**
 - **cookie** <*cookie1*> <*cookie2*>
 - **vc-label** *ingress-vc-label*
 - **no vc-label** [*ingress-vc-label*]
- **precedence** *precedence-value* | **primary**
- **no precedence**
- **[no] pw-path-id**
 - **agi** *route-identifier*
 - **no agi**
 - **saii-type2** *global-id:node-id:ac-id*
 - **no saii-type2**
 - **taii-type2** *global-id:node-id:ac-id*
 - **no taii-type2**
- **[no] shutdown**
- **[no] shutdown**

Debug Commands

- debug**
- **[no] mirror-source** *service-id*
 - **ingress-label** *label* [*label* ...up to 8 max]
 - **no ingress-label** [*label* [*label* ...up to 8 max]]
 - **ip-filter** *ip-filter-id* **entry** *entry-id* [*entry-id* ...]
 - **no ip-filter** *ip-filter-id* [**entry** *entry-id*] [*entry-id* ...]
 - **isa-aa-group** *isa-aa-group-id* {**all**|**unknown**}
 - **no isa-aa-group** *isa-aa-group-id*
 - **mac-filter** *mac-filter-id* **entry** *entry-id* [*entry-id* ...]
 - **no mac-filter** *mac-filter-id* [**entry** *entry-id*...]
 - **port** {*port-id* | **lag** *lag-id*} {[**egress**] [**ingress**]}
 - **no port** {*port-id* | **lag** *lag-id*} [**egress**] [**ingress**]
 - **sap** *sap-id* {[**egress**] [**ingress**]}
 - **no sap** *sap-id* [**egress**] [**ingress**]
 - **subscriber** *sub-ident-string* [**sap** *sap-id* [**ip** *ip-address*] [**mac** *ieee-address*] |**sla-profile** *sla-profile-name*] [**fc** {[**be**] [**l2**] [**af**] [**l1**] [**h2**] [**ef**] [**h1**] [**nc**]};] {[**ingress**] [**egress**]}
 - **no subscriber** *sub-ident-string*
 - **[no] shutdown**

Lawful Intercept Commands

```

config
  — li
    — li-filter
      — li-mac-filter filter-name [create]
      — no li-mac-filter
        — description description-string
        — no description
        — entry li-entry-id
        — no entry
          — description description-string
          — no description
          — match [frame-type {802dot3|802dot2-llc|802dot2-
            snap|ethernet_II}]
          — no match
            — dst-mac ieee-address [mask]
            — no dst-mac
            — src-mac ieee-address [mask]
            — no src-mac
      — li-ip-filter filter-name [create]
      — no li-ip-filter
        — description description-string
        — no description
        — entry li-entry-id
        — no entry
          — description description-string
          — no description
          — match [protocols protocol-id]
          — no match
            — dst-ip ipv4-address/mask
            — no dst-ip
            — src-ip ipv4-address/mask
            — no src-ip
      — li-ipv6-filter filter-name [create]
      — no li-ipv6-filter
        — description description-string
        — no description
        — entry li-entry-id
        — no entry
          — description description-string
          — no description
          — match [next-header next-header]
          — no match
            — dst-ip ipv6-address/prefix-length
            — no dst-ip
            — src-ip ipv6-address/prefix-length
            — no src-ip
    — li-filter-associations
      — li-mac-filter li-mac-filter-name
        — mac-filter mac-filter-id
      — li-ip-filter li-ip-filter-name
        — ip-filter ip-filter-id
      — li-ipv6-filter li-ipv6-filter-name

```

- **ipv6-filter** *ipv6-filter-id*
- **li-filter-block-reservation**
 - [no] **li-reserved-block** *block-name* [**create**]
 - **description** *description-string*
 - [no] **start-entry** *entry-id* **count** *count*
 - [no] **ip-filter** *filter-id*
 - [no] **ipv6-filter** *filter-id*
 - [no] **mac-filter** *filter-id*
- [no] **li-filter-lock-state** {**locked** | **unlocked-for-li-users** | **unlocked-for-all-users**}
- **li-source** *service-id*
 - **ip-filter** *ip-filter-id* [**entry** *entry-id...*] [**intercept-id** *id*] [**session-id** *id*]
 - **no ip-filter** *ip-filter-id*
 - **ipv6-filter** *ipv6-filter-id* [**entry** *entry-id...*] [**intercept-id** *intercept-id...*] [**session-id** *session-id...*]
 - **no ipv6-filter** *ipv6-filter-id*
 - **li-ip-filter** *ip-filter-id* [**entry** *entry-id...*] [**intercept-id** *id*] [**session-id** *id*]
 - **no li-ip-filter** *ip-filter-id*
 - **li-ipv6-filter** *ipv6-filter-id* [**entry** *entry-id...*] [**intercept-id** *intercept-id...*] [**session-id** *session-id...*]
 - **no li-ipv6-filter** *ipv6-filter-id*
 - **mac-filter** *mac-filter-id* **entry** *entry-id* [*entry-id...*] [**intercept-id** *id*] [**session-id** *id*]
 - **no mac-filter** *mac-filter-id*
- **nat**
 - [no] **classic-lsn-sub** **router** *router-instance* **ip** *ip-address*
 - **intercept-id** *id*
 - **no intercept-id**
 - **session-id** *id*
 - **no session-id**
 - [no] **dslite-lsn-sub** **router** *router-instance* **b4** *ipv6-prefix*
 - **intercept-id** *id*
 - **no intercept-id**
 - **session-id** *id*
 - **no session-id**
 - **ethernet-header** [**da** *ieee-address*] [**sa** *ieee-address*] [**etype** *ethertype*]
 - **no ethernet-header**
 - [no] **l2-aware-sub** *sub-ident-string*
 - **intercept-id** *id*
 - **no intercept-id**
 - **session-id** *id*
 - **no session-id**
 - [no] **nat64-lsn-sub** **router** *router-instance* **ip** *ipv6-prefix*
 - **intercept-id** *id*
 - **no intercept-id**
 - **session-id** *id*
 - **no session-id**
- **sap** *sap-id* {{**ingress** | **egress**}} [**intercept-id** *id*] [**session-id** *id*]
- **no sap** *sap-id*
- [no] **shutdown**
- **subscriber** *sub-ident-string* [**sap** *sap-id*] [**ip** *ip-address*] [**mac** *ieee-address*] [**sla-profile** *sla-profile-name*] [**fc** {{**be** | **l2** | **af** | **l1** | **h2** | **ef** | **h1** | **nc**}}] {{**ingress** | **egress**}} [**intercept-id** *id*] [**session-id** *id*]
- **no subscriber** *sub-ident-string*

```

— wlan-gw
  — [no] dsm-subscriber mac xx:xx:xx:xx:xx:xx or xx-xx-xx-xx-xx-xx
  — intercept-id [1..4294967295]
  — no intercept-id
  — session-id [1..4294967295]
  — no session-id

— log
  — [no] log-id log-id
    — description description-string
    — no description
    — filter filter-id
    — no filter
    — from {[li]}
    — no from
    — [no] shutdown
    — time-format {local | utc}
    — to memory [size]
    — to session
    — to snmp [size]

— mobility-gateway
  — df-peer df-peer-id df2-addr ip-address df2-port port df3-addr ip-address df3-
  port port
  — no df-peer df-peer-id
  — local-interface ip-address [router router-instance]
  — no local-interface
  — operator op-id
  — no operator
  — target target-type id string intercept intercept peer df-peer-id [liid li-identifier]
  — no target target-type id string
  — [no] x2-iri-qos dscp {dscp-value | dscp-name}
  — [no] x3-cc-qos dscp {dscp-value | dscp-name}
  — x3-transport {tcp | udp} ulic-header {v0 | v1}

— save

```

The following commands are also described in the Basic System Configuration Guide.

```

config
— bof
  — [no] li-local-save
  — [no] li-separate

```

The following commands are also described in the System Management Guide.

```

config
— system
  — security
    — user
      — [no] access [ftp] [snmp] [console] [li]
      — [no] profile user-profile-name
      — [no] li

```

Show Commands

```
show
— debug [application]
— mirror [service-id]
— li
    — filter li-ip filter-name {counter | associations}
    — filter li-ip filter-name entry entry-id [counters]
    — filter li-ipv6 filter-name {counter | associations}
    — filter li-ipv6 filter-name entry entry-id [counters]
    — li-source [service-id]
    — log
        — log-id [log-id] [severity severity-level] [application application] [sequence from-
            seq [to-seq]] [count count] [router router-instance [expression]] [subject subject
            [regexp]] [ascending | descending]
    — mobile-gateway [target target-type id target-id] [df-peer peer-id] [summary]
    — status
— service
    — active-subscribers summary
    — active-subscribers [subscriber sub-ident-string [sap sap-id sla-profile sla-profile-name]]
        [detail|mirror]
    — active-subscribers hierarchy [subscriber sub-ident-string]
    — service-using mirror
```