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# Log Command Reference

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## Command Hierarchies

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## Log Configuration Commands

```

config
  — log
    — app-route-notifications
      — [no] cold-start-wait
      — [no] route-recovery-wait
    — event-control application-id [event-name | event-number] [generate [severity-level] [throt-
tle] [specific-throttle-rate events-limit interval seconds | disable-specific-throttle]
    — event-control application-id [event-name | event-number] suppress
    — no event-control application [event-name | event-number]
    — [no] event-damping
    — route-preference primary {inband | outband} secondary {inband | outband | none}
    — no route-preference
    — throttle-rate events [interval seconds]
    — no throttle-rate

```

## Accounting Policy Commands

```
config
  — log
    — collection-interval minutes
    — no collection-interval
    — accounting-policy acct-policy-id
    — no accounting-policy acct-policy-id
      — [no] auto-bandwidth
      — [no] default
      — description description-string
      — no description
      — [no] include-system-info
      — record record-name
      — no record
      — [no] shutdown
      — to file log-file-id
```

## Custom Record Commands

```

config
  — log
    — accounting-policy acct-policy-id [interval minutes]
    — no accounting-policy acct-policy-id
      — collection-interval minutes
      — no collection-interval
      — [no] custom-record
        — [no] aa-specific
          — aa-sub-counters [all]
          — no aa-sub-counters
            — [no] long-duration-flow-count
            — [no] medium-duration-flow-count
            — [no] short-duration-flow-count
            — [no] total-flow-duration
            — [no] total-flows-completed-count
          — from-aa-sub-counters [all]
          — no from-aa-sub-counters
            — all
            — [no] flows-active-count [all]
            — [no] flows-admitted-count
            — [no] flows-denied-count
            — [no] forwarding-class
            — [no] max-throughput-octet-count
            — [no] max-throughput-packet-count
            — [no] max-throughput-packet-count
            — [no] octets-admitted-count
            — [no] octets-denied-count
            — [no] packets-admitted-count
            — [no] packets-denied-count
          — to-aa-sub-counters [all]
          — to-aa-sub-counters
            — all
            — [no] flows-active-count [all]
            — [no] flows-admitted-count
            — [no] flows-denied-count
            — [no] forwarding-class
            — [no] max-throughput-octet-count
            — [no] max-throughput-packet-count
            — [no] max-throughput-packet-count
            — [no] octets-admitted-count
            — [no] octets-denied-count
            — [no] packets-admitted-count
            — [no] packets-denied-count
        — [no] override-counter override-counter-id
          — e-counters [all]
          — no e-counters
            — [no] in-profile-octets-discarded-count
            — [no] in-profile-octets-forwarded-count
            — [no] in-profile-packets-discarded-count
            — [no] in-profile-packets-forwarded-count
            — [no] out-profile-octets-discarded-count
            — [no] out-profile-octets-forwarded-count

```

- [no] **out-profile-packets-discarded-count**
- [no] **out-profile-packets-forwarded-count**
- **i-counters** [all]
- **no i-counters**
  - [no] **in-profile-octets-discarded-count**
  - [no] **in-profile-octets-forwarded-count**
  - [no] **in-profile-packets-discarded-count**
  - [no] **in-profile-packets-forwarded-count**
  - [no] **out-profile-octets-discarded-count**
  - [no] **out-profile-octets-forwarded-count**
  - [no] **out-profile-packets-discarded-count**
  - [no] **out-profile-packets-forwarded-count**
- [no] **queue** *queue-id*
  - **e-counters** [all]
  - **no e-counters**
    - [no] **in-profile-octets-discarded-count**
    - [no] **in-profile-octets-forwarded-count**
    - [no] **in-profile-packets-discarded-count**
    - [no] **in-profile-packets-forwarded-count**
    - [no] **out-profile-octets-discarded-count**
    - [no] **out-profile-octets-forwarded-count**
    - [no] **out-profile-packets-discarded-count**
    - [no] **out-profile-packets-forwarded-count**
  - **i-counters** [all]
  - **no i-counters**
    - [no] **all-octets-offered-count**
    - [no] **all-packets-offered-count**
    - [no] **high-octets-discarded-count**
    - [no] **high-octets-offered-count**
    - [no] **high-packets-discarded-count**
    - [no] **high-packets-offered-count**
    - [no] **in-profile-octets-forwarded-count**
    - [no] **in-profile-packets-forwarded-count**
    - [no] **low-octets-discarded-count**
    - [no] **low-packets-discarded-count**
    - [no] **low-octets-offered-count**
    - [no] **low-packets-offered-count**
    - [no] **out-profile-octets-forwarded-count**
    - [no] **out-profile-packets-forwarded-count**
    - [no] **uncoloured-octets-offered-count**
    - [no] **uncoloured-packets-offered-count**
- **ref-aa-specific-counter** any
- **no ref-aa-specific-counter**
- **ref-override-counter** *ref-override-counter-id*
- **ref-override-counter** all
- **no ref-override-counter**
  - **e-counters** [all]
  - **no e-counters**
    - [no] **in-profile-octets-discarded-count**
    - [no] **in-profile-octets-forwarded-count**
    - [no] **in-profile-packets-discarded-count**
    - [no] **in-profile-packets-forwarded-count**
    - [no] **out-profile-octets-discarded-count**
    - [no] **out-profile-octets-forwarded-count**
    - [no] **out-profile-packets-discarded-count**

- [no] **out-profile-packets-forwarded-count**
- **i-counters** [all]
- **no i-counters**
  - [no] **all-octets-offered-count**
  - [no] **all-packets-offered-count**
  - [no] **high-octets-discarded-count**
  - [no] **high-octets-offered-count**
  - [no] **high-packets-discarded-count**
  - [no] **high-packets-offered-count**
  - [no] **in-profile-octets-forwarded-count**
  - [no] **in-profile-packets-forwarded-count**
  - [no] **low-octets-discarded-count**
  - [no] **low-packets-discarded-count**
  - [no] **low-octets-offered-count**
  - [no] **low-packets-offered-count**
  - [no] **out-profile-octets-forwarded-count**
  - [no] **out-profile-packets-forwarded-count**
  - [no] **uncoloured-octets-offered-count**
  - [no] **uncoloured-packets-offered-count**
- **ref-queue** *queue-id*
- **ref-queue** all
- **no ref-queue**
  - **e-counters** [all]
  - **no e-counters**
    - [no] **in-profile-octets-discarded-count**
    - [no] **in-profile-octets-forwarded-count**
    - [no] **in-profile-packets-discarded-count**
    - [no] **in-profile-packets-forwarded-count**
    - [no] **out-profile-octets-discarded-count**
    - [no] **out-profile-octets-forwarded-count**
    - [no] **out-profile-packets-discarded-count**
    - [no] **out-profile-packets-forwarded-count**
  - **i-counters** [all]
  - **no i-counters**
    - [no] **all-octets-offered-count**
    - [no] **all-packets-offered-count**
    - [no] **high-octets-discarded-count**
    - [no] **high-octets-offered-count**
    - [no] **high-packets-discarded-count**
    - [no] **high-packets-offered-count**
    - [no] **in-profile-octets-forwarded-count**
    - [no] **in-profile-packets-forwarded-count**
    - [no] **low-octets-discarded-count**
    - [no] **low-packets-discarded-count**
    - [no] **low-octets-offered-count**
    - [no] **low-packets-offered-count**
    - [no] **out-profile-octets-forwarded-count**
    - [no] **out-profile-packets-forwarded-count**
- **significant-change** *delta*
- **no significant-change**

## File ID Commands

- config
- log

- **[no] file-id** *log-file-id*
  - **description** *description-string*
  - **no description**
  - **location** *cflash-id* [*backup-cflash-id*]
  - **rollover** *minutes* [**retention** *hours*]
  - **no rollover**

## Event Filter Commands

- config**
  - **log**
    - **[no] filter** *filter-id*
      - **default-action** {**drop** | **forward**}
      - **no default-action**
      - **description** *description-string*
      - **no description**
      - **[no] entry** *entry-id*
        - **action** {**drop** | **forward**}
        - **no action**
        - **description** *description-string*
        - **no description**
        - **[no] match**
          - **application** {**eq** | **neq**} *application-id*
          - **no application**
          - **number** {**eq** | **neq** | **lt** | **lte** | **gt** | **gte**} *event-id*
          - **no number**
          - **router** {**eq** | **neq**} *router-instance* [**regexp**]
          - **no router**
          - **severity** {**eq** | **neq** | **lt** | **lte** | **gt** | **gte**} *severity-level*
          - **no severity**
          - **subject** {**eq** | **neq**} *subject* [**regexp**]
          - **no subject**

## Log ID Commands

```

config
  — log
    — [no] log-id log-id
      — description description-string
      — no description
      — filter filter-id
      — no filter
      — from {[main] [security] [change] [debug-trace]}
      — no from
      — [no] shutdown
      — [no] shutdown
      — time-format {local | utc}
      — to console
      — to file log-file-id
      — to memory [size]
      — to session
      — to snmp [size]
      — to syslog syslog-id

```

## SNMP Trap Group Commands

```

config
  — log
    — [no] snmp-trap-group log-id
      — description description-string
      — no description
      — trap-target name [address ip-address] [port port] [snmpv1 | snmpv2c | snmpv3]
        notify-community communityName | snmpv3SecurityName [security-level {no-
          auth-no-privacy | auth-no-privacy | privacy}] [replay]
      — no trap-target name

```

## Syslog Commands

```
config
  — log
    — [no] syslog syslog-id
      — address ip-address
      — no address
      — description description-string
      — no description
      — facility syslog-facility
      — no facility
      — level {emergency | alert | critical | error | warning | notice | info | debug}
      — no level
      — log-prefix log-prefix-string
      — no log-prefix
      — port port
      — no port
```

## Show Commands

```
show
  — log
    — accounting-policy [acct-policy-id] [access | network]
    — accounting-records
    — applications
    — event-control [application [event-name | event-number]]
    — file-id [log-file-id]
    — filter-id [filter-id]
    — log-collector
    — log-id [log-id] [severity severity-level] [application application] [sequence from-seq [to-seq]] [count count] [subject subject] [ascending | descending]
    — snmp-trap-group [log-id]
    — syslog [syslog-id]
```

## Clear Command

```
clear
  — log log-id
```