Log Command Reference

Command Hierarchies

Log Configuration Commands

config
— **log**
    — **app-route-notifications**
        — **cold-start-wait** *seconds*
        — **no cold-start-wait**
        — **route-recovery-wait** *seconds*
        — **no route-recovery-wait**
    — **event-control** *application-id* [*event-name* | *event-number*] [**generate** [*severity-level*] [**throttle**] [**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-router-info**
            — [**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*]
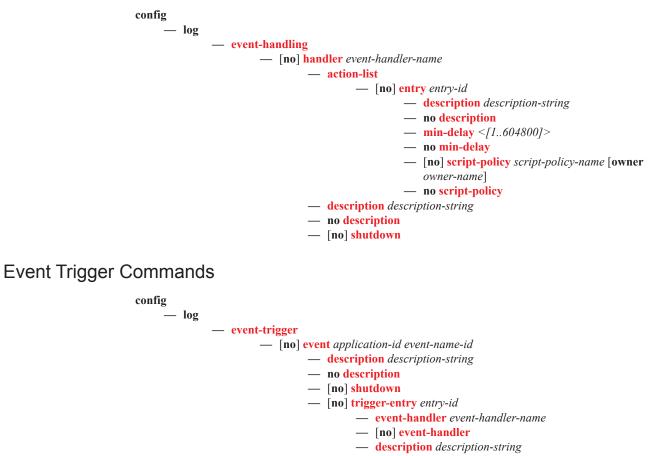— **no rollover**

Event Filter Commands

Refer to the 7x50 SR OS Services Guide for information about configuring log filters in a VPRN service.

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**
— **message** {**eq** | **neq**} **pattern** *pattern* [**regexp**]
— **no message**
— **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**

Event Handling System (EHS) Commands

config
— **log**
— **event-handling**
— [**no**] **handler** *event-handler-name*
— **action-list**
— [**no**] **entry** *entry-id*
— **description** *description-string*
— **no description**
— **min-delay** *<[1..604800]>*
— **no min-delay**
— [**no**] **script-policy** *script-policy-name* [**owner** *owner-name*]
— **no script-policy**
— **description** *description-string*
— **no description**
— [**no**] **shutdown**

Event Trigger Commands

config
— **log**
— **event-trigger**
— [**no**] **event** *application-id event-name-id*
— **description** *description-string*
— **no description**
— [**no**] **shutdown**
— [**no**] **trigger-entry** *entry-id*
— **event-handler** *event-handler-name*
— [**no**] **event-handler**
— **description** *description-string*
— **no description**
— **log-filter** *filter-id*
— [**no**] **log-filter**

Log ID Commands

Refer to the 7x50 SR OS Services Guide for information about configuring logs in a VPRN service.

config
    — **log**
        — [**no**] **log-id** *log-id*
            — **description** *description-string*
            — **no description**
            — **filter (log destination)** *filter-id*
            — **no filter (log destination)**
            — **from** {[**main**] [**security**] [**change**] [**debug-trace**]}
            — **no from**
            — [**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

Refer to the 7x50 SR OS Services Guide for information about configuring SNMP trap groups in a VPRN service.

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

Refer to the 7x50 SR OS Services Guide for information about configuring syslogs in a
VPRN service.

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

Refer to the 7x50 SR OS Services Guide for information about log show routines for VPRN services.

show
— **log**
    — **accounting-policy** [acct-*policy-id*] [**access** | **network**]
    — **accounting-records**
    — **applications**
    — **event-control** [**application** [*event-name* | *event-number*]]
    — **event-handling**
        — **handler** [*handler-name*]
        — **handler detail**
    — **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*] [**router** *router-instance* [**expression**] [**subject** *subject* [**regexp**]] [**ascending**|**descending**] [**message** *format* [**msg-regexp**]]
    — **snmp-trap-group** [*log-id*]
    — **syslog** [*syslog-id*]

Clear Command

clear
    — **log** *log-id*