Diagnostics Command Reference

OAM Commands

Base Operational Commands

GLOBAL
- **ping** [*ip-address* | *dns-name*] [**rapid** | **detail**] [**ttl** *time-to-live*] [**tos** *type-of-service*] [**size** *bytes*] [**pattern** *pattern*] [**source** *ip-address* | *ipv6-address* | *dns-name*] [**interval** *seconds*] [{**next-hop** *ip-address*} | {**interface** *interface-name*} | **bypass-routing**] [**count** *requests*] [**do-not-fragment**] [**router** *router-instance*] [**time-out** *timeout*]
- **traceroute** [*ip-address* | *dns-name*] [**ttl** *ttl*] [**wait** *milli-seconds*] [**no-dns**][**source** *src-ip-address*] [**tos** *type-of-service*] [**router** [*router-instance*]]
- **oam**
  - **dns** **target-addr** *dns-name* **name-server** *ip-address* [**source** *ip-address*] [**send-count** *send-count*] [**timeout** *timeout*] [**interval** *interval*] [**record-type** {**ipv4-a-record** | **ipv6-aaaa-record**}]
  - **saa** *test-name* [**owner** *test-owner*] {**start** | **stop**} [**no-accounting**]

ATM Diagnostics

GLOBAL
- **oam**
  - **atm-ping** *port-id*:*vpi*/*vci* [**end-to-end** | **segment**] [**dest** *destination-id*][**send-count** *send-count*][**timeout** *seconds*][**interval** *seconds*]

IGMP Snooping

GLOBAL
- **oam**
  - **mfib-ping** **service** *service-id* **source** *src-ip* **destination** *mcast-address* [**size** *size*] [**ttl** *vc-label-ttl*] [**return-control**] [**interval** *interval*] [**send-count** *send-count*] [**timeout** *timeout*]

LDP Diagnostics

GLOBAL
- **oam**
  - **ldp-treetrace** {**prefix** *ip-prefix/mask*} [**max-ttl** *ttl-value*] [**max-path** *max-paths*] [**timeout** *timeout*] [**retry-count** *retry-count*] [**fc** *fc-name* [**profile** *profile*]] [**downstream-map-tlv** {**dsmap**|**ddmap**}]
- **config**
  - **test-oam**

— [**no**] **ldp-treetrace**
    — **fc** *fc-name* [**profile** {**in**|**out**}]
    — **no fc**
    — **path-discovery**
        — **interval** *minutes*
        — **no interval**
        — **max-path** *max-paths*
        — **no max-path**
        — **max-ttl** *ttl-value*
        — **no max-ttl**
        — **policy-statement** *policy-name*[*...*(up to 5 max)]
        — **no policy-statement**
        — **retry-count** *retry-count*
        — **no retry-count**
        — **timeout** *timeout*
        — **no timeout**
    — **path-probing**
        — **interval** *minutes*
        — **no interval**
        — **retry-count** *retry-count*
        — **no retry-count**
        — **timeout** *timeout*
        — **no timeout**
    — [**no**] **shutdown**
— **mpls-echo-request-downstream-map** {**dsmap** | **ddmap**}
— **no mpls-echo-request-downstream-map**
— **mpls-time-stamp-format** {**rfc4379** | **unix**}

TWAMP

GLOBAL
— **oam**
— **oam-test**
    — **twamp**
        — **server**
            — [**no**] **prefix** {*address/prefix-length*} [**create**]
                — [**no**] **description** *text*
                — [**no**] **max-conn-prefix** *count*
                — [**no**] **max-sess-prefix** *count*
                — **no**] **shutdown**
            — [**no**] **inactivity-timeout** *seconds*
            — [**no**] **max-conn-server** *count*
            — [**no**] **max-sess-server** *count*
            — [**no**] **shutdown**

LSP Diagnostics

GLOBAL
— **oam**
— **lsp-ping** *lsp-name* [**path** *path-name*]
— **lsp-ping** **static** *lsp-name* [**dest-global-id** *global-id* **dest-node-id** *node-id*] [**control-channel none** | **non-ip**] [**path-type active** | **working** | **protect**] [**fc** *fc-name* [**profile in** | **out**] [**interval** *interval*] [**send-count** *send-count*] [**size octets**] [**src-ip-address** *ip-address*] [**timeout** *timeout*] [**ttl** *label-ttl*] [**detail**]
— **lsp-ping** **bgp-label-prefix** *ip-prefix*/*mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]

— **lsp-ping** **prefix** *ip-prefix/mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]
— **lsp-ping** **static** *lsp-name* [**assoc-channel none|non-ip**] [**dest-global-id** *global-id* **dest-node-id** *node-id*] [**path-type active** | **working** | **protect**]
— **lsp-trace** *lsp-name* [**path** *path-name*]
— **lsp-trace** **static** *lsp-name* [**control-channel non** | **non-ip**] [**force**] [**path-type active** | **working** | **protect**] [**detail**] [**fc** *fc-name* [**profile in|out**]] [**interval** *interval*] [**max-fail** *no-response-count*] [**max-ttl** *max-label-ttl*] [**min-ttl** *min-label-ttl*] [**probe-count** *probes-per-hop*] [**size** *octets*] [**src-ip-address** *ip-address*] [**timeout** *timeout*] [**downstream-map-tlv dsmap** | **ddmap**] [**detail**]
— **lsp-trace** **bgp-label-prefix** *ip-prefix/mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]
— **lsp-trace** **prefix** *ip-prefix/mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]
— **lsp-trace** **static** *lsp-name* [**assoc-channel none|non-ip**] [**path-type active** | **working** | **protect**]
— **p2mp-lsp-ping** {*lsp-name* [**p2mp-instance** *instance-name* [**s2l-dest-address** *ip-address* [...(upto 5 max)]]] [**ttl** *label-ttl*]} [**fc** *fc-name* [**profile** {**in|out**}]] [**size** *octets*] [**timeout** *timeout*] [**detail**]
— **p2mp-lsp-ping** {**ldp** *p2mp-identifier* [**sender-addr** *ip-address*] [**leaf-addr** *ip-address*[...up-to-5 max]]} [**fc** *fc-name* [**profile** {**in|out**}]] [**size** *octets*] [**timeout** *timeout*] [*detail*]
— **p2mp-lsp-ping** {**ldp-ssm source** *ip-address* **group** *mcast-address* [**sender-addr** *ip-address*] [**leaf-addr** *ip-address* [...up-to-5 max]]} [**fc** *fc-name* [**profile** {**in|out**}]] [**size** *octets*] [**timeout** *timeout*] [**detail**]
— **p2mp-lsp-trace** *lsp-name* **p2mp-instance** *instance-name* **s2l-dest-address** *ip-address* [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**max-fail** *no-response-count*] [**probe-count** *probes-per-hop*] [**min-ttl** *min-label-ttl*] [**max-ttl** *max-label-ttl*] [**timeout** *timeout*] [**interval** *interval*] [**detail**]

SDP Diagnostics

GLOBAL
    — oam

— **sdp-mtu** *orig-sdp-id* **size-inc** *start-octets end-octets* [**step** *step-size*] [**timeout** *seconds*] [**interval** *seconds*]
— **sdp-ping** *orig-sdp-id* [**resp-sdp** *resp-sdp-id*] [**fc** *fc-name* [**profile** {**in** | **out**}]] [**timeout** *seconds*] [**interval** *seconds*] [**size** *octets*] [**send-count** *send-count*]

Common Service Diagnostics

GLOBAL
— **oam**

— **ancp** {**subscriber** *sub-ident-string* | **ancp-string** *ancp-string*} **loopback** [**count** *count*] [**timeout** *seconds*] [**alarm**]
— **ancp** **subscriber** *sub-ident-string* **loopback** [**send-count** *send-count*] [**timeout** *seconds*] [**alarm**]
— **svc-ping** {*ip-addr* | *dns-name*} **service** *service-id* [**local-sdp**] [**remote-sdp**]
— **host-connectivity-verify** **service** *service-id* [**sap** *sap-id*]
— **host-connectivity-verify** **subscriber** *sub-ident-string* [**sla-profile** *sla-profile-name*]
— **dns** **target-addr** *dns-name* **name-server** *ip-address* [**source** *ip-address*] [**send-count** *send-count*] [**timeout** *timeout*] [**interval** *interval*]
— **vprn-ping** *service-id* **source** *src-ip* **destination** *ip-address* [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *size*] [**ttl** *vc-label-ttl*] [**return-control**] [**interval** *interval*] [**send-count** *send-count*] [**timeout** *timeout*]
— **vprn-trace** *service-id* **source** *src-ip* **destination** *ip-address* [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *size*] [**min-ttl** *vc-label-ttl*] [**max-ttl** *vc-label-ttl*] [**return-control**] [**probe-count** *send-count*] [**interval** *seconds*] [**timeout** *timeout*]

VLL Diagnostics

GLOBAL
— **oam**

— **vccv-ping** *sdp-id:vc-id* [**src-ip-address** *ip-addr* **dst-ip-address** *ip-addr* **pw-id** *pw-id*][**reply-mode** {**ip-routed** | **control-channel**}][**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**send-count** *send-count*] [**timeout** *timeout*] [**interval** *interval*][**ttl** *vc-label-ttl*]
— **vccv-ping** **static** *sdp-id:vc-id* [**dest-global-id** *global-id* **dest-node-id** *node-id*] [**control-channel ipv4** | **non-ip**] [**src-ip-address** *ip-addr*] [**count** *send-count*] [**fc** *fc-name* [**profile in|out**]] [**interval** *interval*] [**size** *octets*] [**timeout** *timeout*] [**ttl** *vc-label-ttl*] [**detail**]
— **vccv-ping** **spoke-sdp-fec** *spoke-sdp-fec-id* [**saii-type2** *global-id:prefix:ac-id* **taii-type2** *global-id:prefix:ac-id*] [**src-ip-address** *ip-addr* **dst-ip-address** *ip-addr*] [**reply-mode** {**ip-routed** | **control-channel**}] [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**count** *send-count*] [**timeout** *timeout*] [**interval** *interval*] [**ttl** *vc-label-ttl*]
— **vccv-ping** **saii-type2** *global-id:prefix:ac-id* **taii-type2** *global-id:prefix:ac-id* [**src-ip-address** *ip-addr* **dst-ip-address** *ip-addr*] [**reply-mode** {**ip-routed** | **control-channel**}] [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**count** *send-count*] [**timeout** *timeout*] [**interval** *interval*] [**ttl** *vc-label-ttl*]
— **vccv-trace** *sdp-id:vc-id* [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**reply-mode** *ip-routed|countrol-channel*] [**probe-count** *probes-per-hop*] [**timeout** *timeout*] [**interval** *interval*] [**min-ttl** *min-vc-label-ttl*] [**max-ttl** *max-vc-label-ttl*] [**max-fail** *no-response-count*] [**detail**]
— **vccv-trace** **static** *sdp-id:vc-id* [**control-channel none** | **non-ip**] [**src-ip-address** *ipv4-address*] [**fc** *fc-name* [**profile in|out**]] [**interval** *interval-value*] [**max-fail** *no-response-count*] [**max-ttl** *max-vc-label-ttl*] [**min-ttl** *min-vc-label-ttl*] [**probe-count** *probe-count*] [**size** *octets*] [**timeout** *timeout-value*] [**detail**]
— **vccv-trace** **spoke-sdp-fec poke-sdp-fec** *spoke-sdp-fec-id* [**saii-type2** *global-id:prefix:ac-id* **taii-type2** *global-id:prefix:ac-id*][[**size** *octets*][**min-ttl** *min-vc-label-ttl*][**max-ttl** *max-vc-label-ttl*][**max-fail** *no-response-count*][**probe-count** *probe-count*][**reply-mode ip-routed** | **control-channel**][**timeout** *timeout-value*][**interval** *interval-value*][**fc** *fc-name* [**profile** {**in** | **out**}]][**detail**]
— **vccv-trace** **saii-type2** *global-id:prefix:ac-id* **taii-type2** *global-id:prefix:ac-id* [**size** *octets*][**min-ttl** *min-vc-label-ttl*][**max-ttl** *max-vc-label-ttl*][**max-fail** *no-response-count*][**probe-count** *probe-count*][**reply-mode ip-routed**| **control-channel**][**timeout** *timeout-value*][**interval** *interval-value*][**fc** *fc-name* [**profile** {**in** | **out**}]][**detail**]

GLOBAL
— **oam**
— **cpe-ping** service *service-id* **destination** *dst-ieee-address* **source** *ip-address* [**source-mac** *ieee-address*][**ttl** *vc-label-ttl*] [**send-count** *send-count*] [**send-control**] [**return-control**] [**interval** *interval*]
— **mac-ping** service *service-id* **destination** *dst-ieee-address* [**source** *src-ieee-address*] [**fc** *fc-name* [**profile in** | **out**]] [**size** *octets*] [**fc** *fc-name*] [**ttl** *vc-label-ttl*] [**send-count** *send-count*] [**send-control**] [**return-control**] [**interval** *interval*] [**timeout** *timeout*]
— **mac-populate** *service-id* **mac** *ieee-address* [**flood**] [**age** *seconds*] [**force**] [**target-sap** *sap-id*] [**send-control**]
— **mac-purge** *service-id* **target** *ieee-address* [**flood**] [**send-control**] [**register**]
— **mac-trace** service *service-id* **destination** *ieee-address* [**source** *ieee-address*] [**fc** *fc-name* [**profile in** | **out**]] [**size** *octets*] [**min-ttl** *vc-label-ttl*] [**max-ttl** *vc-label-ttl*] [**probe-count** *send-count*] [**send-control**] [**return-control**] [**interval** *interval*] [**timeout** *timeout*]

Ethernet in the First Mile (EFM) Commands

GLOBAL
— **oam**
— **efm** *port-id* **local-loopback** {**start** | **stop**}
— **efm** *port-id* **remote-loopback** {**start** | **stop**}

ETH-CFM OAM Commands

oam
— **eth-cfm** **eth-test** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**priority** *priority*] [**data-length** *data-length*]
— **eth-cfm** **linktrace** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**ttl** *ttl-value*]
— **eth-cfm** **loopback** {*mac-address*|**multicast**} **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**send-count** *send-count*] [**size** *data-size*] [**priority** *priority*]
— **eth-cfm** **one-way-delay-test** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**priority** *priority*]
— **eth-cfm** **two-way-delay-test** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**priority** *priority*]
— **eth-cfm** **two-way-slm-test** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**priority** *priority*]] [**send-count** *send-count*][**size** *data-size*][**timeout** *timeout*] [**interval** *interval*]

SAA Commands

    config
        — **saa**
            — [**no**] **test** *test-name* [**owner** *test-owner*]
                — **accounting-policy** *acct-policy-id*
                — **no accounting-policy**
                — [**no**] **continuous**
                — **description** *description-string*
                — **no description**
                — [**no**] **jitter-event** **rising-threshold** *threshold* [**falling-threshold** *threshold*] [*direction*]
                — [**no**] **latency-event** **rising-threshold** *threshold* [**falling-threshold** *threshold*] [*direction*]
                — [**no**] **loss-event** **rising-threshold** *threshold* [**falling-threshold** *threshold*] [*direction*]
                — **probe-history** [**auto** | **drop** | **keep**]
                — [**no**] **shutdown**
                — **trap-gen**
                    — [**no**] **probe-fail-enable**
                    — [**no**] **probe-fail-threshold** *0..15*
                    — [**no**] **test-completion-enable**
                    — [**no**] **test-fail-enable**
                    — [**no**] **test-fail-threshold** *0..15*
                — [**no**] **type**
                    — **cpe-ping** **service** *service-id* **destination** *ip-address* **source** *ip-address* [**source-mac** *ieee-address*] [**fc** *fc-name* [**profile** [**in** | **out**]][**ttl** *vc-label-ttl*] [**send-count** *send-count*] [**send-control**] [**return-control**] [**time-out** *interval*] [**interval** *interval*]
                    — **dns** **target-addr** *dns-name* **name-server** *ip-address* [**source** *ip-address*] [**send-count** *send-count*] [**time-out** *timeout*] [**interval** *interval*]
                    — **eth-cfm-linktrace** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**ttl** *ttl-value*] [**fc** {*fc-name*} [**profile** {**in**|**out**}]] [**send-count** send-count] [**time-out** *interval*] [**interval** *interval*]
                    — **eth-cfm-loopback** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**size** *data-size*] [**fc** {*fc-name*} [**profile** {**in**|**out**}]] [**send-count** *send-count*][**time-out** *interval*] [**interval** *interval*]
                    — **eth-cfm-two-way-delay** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**fc** {*fc-name*} [**send-count** *send-count*][**time-out** *interval*] [**interval** *interval*]
                    — **eth-cfm-two-way-slm** *mac-address* **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**fc** {*fc-name*}] [**send-count** *send-count*][**size** *data-size*][**time-out** *timeout*] [**interval** *interval*]
                    — **icmp-ping** *mac-address* **mep** *mep-id* **domain** md-index **association** *ma-index* [**fc** {*fc-name*} [**profile** {**in**|**out**}]] [**send-count** *send-count*] [**time-out** *interval*] [**interval** *interval*]
                    — **icmp-ping** [*ip-address* | *dns-name*] [**rapid** | **detail**] [**ttl** *time-to-live*] [**tos** *type-of-service*] [**size** *bytes*] [**pattern** *pattern*] [**source** *ip-address* | *dns-name*] [**interval** *interval*] [{**next-hop** *ip-address*}|{**interface** *interface-name*}|**bypass-routing**] [**count** *requests*] [**do-not-fragment**] [**router** *router-instance*] [**time-out** *interval*]

— **icmp-trace** [*ip-address* | *dns-name*] [**ttl** t*ime-to-live*] [**wait** *milli-seconds*] [**tos** *type-of-service*] [**source** *ip-address*] [**tos** *type-of-service*] [**router** *router-instance*]

— **lsp-ping** *lsp-name* [**path** *path-name*]

— **lsp-ping** **static** *lsp-name* [**dest-global-id** *global-id* **dest-node-id** *node-id*] [**control-channel none** | **non-ip**] [**path-type active** | **working** | **protect**] [**fc** *fc-name* [**profile in** | **out**] [**interval** *interval*] [**send-count** *send-count*] [**size** *octets*] [**src-ip-address** *ip-address*] [**timeout** *timeout*] [**ttl** *label-ttl*] [**detail**]

— **lsp-ping** **bgp-label-prefix** *ip-prefix*/*mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]

— **lsp-ping** **prefix** *ip-prefix/mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]

— **lsp-ping** **static** *lsp-name* [**assoc-channel none**|**non-ip**] [**dest-global-id** *global-id* **dest-node-id** *node-id*] [**path-type active** | **working** | **protect**]

— **lsp-trace** *lsp-name* [**path** *path-name*]

— **lsp-trace** **static** *lsp-name* [**control-channel non** | **non-ip**] [**force**] [**path-type active** | **working** | **protect**] [**detail**] [**fc** *fc-name* [**profile in**|**out**]] [**interval** *interval*] [**max-fail** *no-response-count*] [**max-ttl** *max-label-ttl*] [**min-ttl** *min-label-ttl*] [**probe-count** *probes-per-hop*] [**size** *octets*] [**src-ip-address** *ip-address*] [**timeout** *timeout*] [**downstream-map-tlv dsmap** | **ddmap**] [**detail**]

— **lsp-trace** **bgp-label-prefix** *ip-prefix*/*mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]

— **lsp-trace** **prefix** *ip-prefix/mask* [**path-destination** *ip-address* [**interface** *if-name* | **next-hop** *ip-address*]]

— **lsp-trace** static *lsp-name* [assoc-channel none|non-ip] [path-type active | working | protect]

— **mac-ping** **service** *service-id* **destination** *ieee-address* [**source** *src-ieee-address*] [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**ttl** *vc-label-ttl*] [**send-count** *send-count*] [**send-control**] [**return-control**] [**interval** *interval*] [**time-out** *interval*]

— **mac-trace** **service** *service-id* **destination** *ieee-address* [**source** *src-ieee-address*] [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*]] [**min-ttl** *min-label-ttl*] [**max-ttl** *max-label-ttl*] [**probe-count** *send-count*] [**send-control**] [**return-control**] [**interval** *interval*] [**time-out** *timeout*]

— **sdp-ping** *orig-sdp-id* [**resp-sdp** *resp-sdp-id*] [**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**send-count** *send-count*][**time-out** *interval*] [**interval** *interval*]

— **vccv-ping** *sdp-id:vc-id* [**src-ip-address** *ip-addr* **dst-ip-address** *ip-addr* **pw-id** *pw-id*][**reply-mode** {**ip-routed** | **control-channel**}][**fc** *fc-name* [**profile** {**in** | **out**}]] [**size** *octets*] [**send-count** *send-count*][**time-out** *time-out*] [**interval** *interval*][**ttl** *vc-label-ttl*]

— **vccv-trace** *sdp-id:vc-id* [**size** *octets*][**min-ttl** *vc-label-ttl*] [**max-ttl** *vc-label-ttl*][**max-fail** *no-response-count*][**probe-count** *probe-count*][**reply-mode** *ip-routed*|**control-channel**][**time-out** *timeout-value*][**interval** *interval-value*][**fc** *fc-name* [**profile** {**in** | **out**}]][**detail**]

— **vprn-ping** *service-id* **source** *src-ip* **destination** *dst-ip* [**fc** *fc-name* [**profile in** | **out**]] [**size** *size*] [**ttl** *vc-label-ttl*] [**send-count** *send-count*] [**return-control**] [**time-out** *timeout*] [**interval** *seconds*]

— **vprn-trace** *service-id* **source** *src-ip* **destination** *dst-ip* [**fc** *fc-name* [**profile in** | **out**]] [**size** *size*] [**min-ttl** *vc-label-ttl*] [**max-ttl** *vc-label-ttl*] [**probe-count** *send-count*] [**return-control**] [**time-out** *timeout*] [**interval** *interval*]

Show Commands

show
— **eth-cfm**
  — **association** [*ma-index*] [**detail**]
  — **cfm-stack-table** [**port** [*port-id* [**vlan** *vlan-id*]]| **sdp** *sdp-id*[:*vc-id*]][**level** 0..7] [**direction up** | **down**]
  — **cfm-stack-table**
  — **cfm-stack-table port** [{**all-ports** | **all-sdps** | **all-virtuals**}][**level** 0..7][**direction up** | **down**]
  — **cfm-stack-table** *port-id* [**vlan qtag**[.*qtag*]] [**level** 0..7] [**direction** up | down]
  — **cfm-stack-table sdp** *sdp-id*[:*vc-id*] [**level** 0..7][**direction up** | **down**]
  — **cfm-stack-table virtual** *service-id* [**level** 0..7]
  — **cfm-stack-table facility** [{**all-ports**|**all-lags**|**all-lag-ports**|**all-tunnel-meps**| **all-router-interfaces**}] [**level** 0..7] [**direction up**|**down**]
  — **cfm-stack-table facility lag** *id* [**tunnel** 1..4094] [**level** 0..7] [**direction up**|**down**]
  — **cfm-stack-table facility port** *id* [**level** 0..7] [**direction up**|**down**]
  — **cfm-stack-table facility router-interface** *ip-int-name* [**level** 0..7] [**direction up**|**down**]
  — **domain** [*md-index*] [**association** *ma-index* | **all-associations**] [**detail**]
  — **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**loopback**] [**linktrace**]
  — **mep** *mep-id* **domain** *md-index* **association** *ma-index* [**remote-mepid** *mep-id* | **all-remote-mepids**]
  — **mep** *mep-id* **domain** *md-index* **association** *ma-index* **eth-test-results** [**remote-peer** *mac-address*]
  — **mep** *mep-id* **domain** *md-index* **association** *ma-index* **one-way-delay-test** [**remote-peer** *mac-address*]
  — **mep** *mep-id* **domain** *md-index* **association** *ma-index* **two-way-delay-test** [**remote-peer** *mac-address*]
  — **mep** *mep-id* **domain** *md-index* **association** *ma-index* **two-way-slm-test** [**remote-peer** *mac-address*]
  — **mip**
  — **statistics**
  — **system-config**
— **saa** [*test-name* [**owner** *test-owner*]]
— **test-oam**
  — **ldp-treetrace** [**prefix** *ip-prefix/mask*] [**detail**]

Clear Commands

clear
— **saa** [*test-name* [**owner** *test-owner*]]

Debug Commands

debug
— **oam**
  — **lsp-ping-trace** [**tx** | **rx** | **both**] [**raw** | **detail**]
  — **no lsp-ping-trace**