
Basic Command Reference

Command Hierarchies

- Basic CLI Commands
- Environment Commands
- Monitor Commands

Basic CLI Commands

- **back**
- **clear**
- **echo** [*text-to-echo*] [*extra-text-to-echo*] [*more-text*]
- **enable-admin**
- **exec** [-echo] [-syntax] *filename*
- **exit** [all]
- **help**
- **history**
- **info** [detail]
- **logout**
- **mrinfo** [*ip-address* | *dns-name*] [**router** *router-instance*]
- **mstat source** [*ip-address* | *dns-name*] [**group** *grp-ip-address*] [**destination** *dst-ip-address*] [**hop** *hop*] [**router** *router-instance*] [**wait-time** *wait-time*]
- **mtrace source** [*ip-address* | *dns-name*] [**group** *grp-ip-address*] [**destination** *dst-ip-address*] [**hop** *hop*] [**router** *router-instance*] [**wait-time** *wait-time*]
- **password**
- **ping** {*ip-address* | *dns-name*} [**rapid** | **detail**] [**ttl** *time-to-live*] [**tos** *type-of-service*] [**size** *bytes*] [**pattern** *pattern*] [**source** *ip-address*] [**interval** *seconds*] [{**next-hop** *ip-address*} | {**interface** *interface-name*} | **bypass-routing**] [**count** *requests*] [**do-not-fragment**] [**router** [*router-instance*]][**timeout** *time-out*]
- **pwc** [previous]
- **sleep** [seconds]
- **ssh** [*ip-addr* | *dns-name* | *username@ip-addr*] [-l *username*] [-v *SSH-version*] [**router** *router-instance*] **service-name** *service-name*
- **telnet** [*ip-address* | *dns-name*] [*port*] [**router** *router-instance*]
- **traceroute** {*ip-address* | *dns-name*}[**ttl** *value*] [**wait** *milliseconds*] [**no-dns**] [**source** *ip-address*] [**tos** *type-of-service*]
- **tree** [detail]
- **write** {*user* | **broadcast**} *message-string*

Monitor Commands

- monitor**
- **ccag** *ccag-id* [*path* {*a* | *b*}] [*type* {*sap-sap* | *sap-net* | *net-sap*}] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
- **cpm-filter**
 - **ip** *entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **ipv6** *entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **mac** *entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
- **filter**
 - **ip** *ip-filter-id entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **ipv6** *ipv6-filter-id entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **mac** *mac-filter-id entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
- **lag** *lag-id* [*lag-id...*(up to 5 max)] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
- **management-access-filter**
 - **ip** *entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **ipv6** *entry entry-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
- **port** *port-id* [*port-id...*(up to 5 max)] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
- **port atm** [*interval seconds*] [*repeat repeat*] [*absolute*|*rate*]
- **qos**
 - **arbiter-stats**
 - **sap** *sap-id* [*arbiter name* | *root*] [*ingress* | *egress*] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **subscriber_scheduler-stats**
 - **customer** *customer-id site customer-site-name* [*scheduler scheduler-name*] [*ingress* | *egress*] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **sap** *sap-id* [*scheduler scheduler-name*] [*ingress* | *egress*] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **subscriber** *sub-ident-string* [*scheduler scheduler-name*] [*ingress* | *egress*] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
- **router** [*router-instance*]
 - **bgp**
 - **neighbor** *ip-address* [*ip-address...*(up to 5 max)] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **isis**
 - **statistics** [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **ldp**
 - **session** *ldp-id* [*ldp-id...*(up to 5 max)] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **statistics** [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **mpls**
 - **interface** *interface* [*interface...*(up to 5 max)] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **lsp-egress-statistics** *lsp-name* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **lsp-ingress-statistics** *ip-address lsp lsp-name* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **ospf** [*ospf-instance*]
 - **ospf3**
 - **interface** *interface* [*interface...*(up to 5 max)] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **neighbor** *ip-address* [*ip-address...*(up to 5 max)] [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]
 - **virtual-link** *nbr-rtr-id area area-id* [*interval seconds*] [*repeat repeat*] [*absolute* | *rate*]

- **virtual-neighbor** *nbr-rtr-id area area-id* [*interval seconds*] [*repeat repeat*]
[*absolute | rate*]
- **pim**
 - **group** *grp-ip-address* [*source ip-address*] [*interval seconds*] [*repeat repeat*]
[*absolute | rate*]
- **rip**
 - **neighbor** *neighbor* [*neighbor...(up to 5 max)*] [*interval seconds*] [*repeat repeat*]
[*absolute | rate*]
- **rsvp**
 - **interface** *interface* [*interface...(up to 5 max)*][*interval seconds*] [*repeat repeat*]
[*absolute | rate*]
- **vrrp**
 - **instance** *interface interface-name vr-id virtual-router-id* [*interval seconds*]
[*repeat repeat*] [*absolute | rate*]
- **service**
 - **id** *service-id*
 - **sap** *sap-id* [*interval seconds*] [*repeat repeat*] [*absolute | rate*]
 - **sdp** *sdp-id* [*far-end ip-address*] [*interval seconds*] [*repeat repeat*] [*absolute | rate*]
 - **subscriber** *sub-ident-string sap sap-id sla-profile sla-profile-name* [*base | ingress-queue-id ingress-queue-id | egress-queue-id egress-queue-id*] [*interval seconds*] [*repeat repeat*]
[*absolute | rate*]

Environment Commands

```
<root>
— environment
  — alias alias-name alias-command-name
  — no alias alias-name
  — [no] create
  — [no] more
  — reduced-prompt [no. of nodes in prompt]
  — no reduced-prompt
  — [no] saved-ind-prompt
  — suggest-internal-objects
  — terminal
    — length lines
    — width width
  — time-display {local | utc}
```