



## INDEX

---

### Cisco IOS Master Command List, Release 12.3

**First Published: February 2006**

**Last Updated: June 2008**

This document contains a lists of all the commands documented for Cisco IOS Release 12.3 Mainline, ordered alphabetically. Use the Alphabet Key or your web browser's Find function to search for a command. To access the documentation for a particular command, click on the command name. This list is intended to be used online only. There is no single PDF file created for this list.

---

### Command Reference Designators

<b>ATK</b>	Cisco IOS AppleTalk Command Reference
<b>BR</b>	Cisco IOS Bridging Command Reference
<b>CF</b>	Cisco IOS Configuration Fundamentals Command Reference
<b>DB</b>	Cisco IOS Debug Command Reference
<b>DEC</b>	Cisco IOS DECnet Command Reference
<b>DIA</b>	Cisco IOS Dial Technologies Command Reference
<b>IBM</b>	Cisco IOS IBM Networking Command Reference
<b>IR</b>	Cisco IOS Interface and Hardware Component Command Reference
<b>IAD</b>	Cisco IOS IP Addressing Services Command Reference
<b>IMO</b>	Cisco IOS IP Mobility Command Reference
<b>IMC</b>	Cisco IOS IP Multicast Command Reference
<b>IPv6</b>	Cisco IOS IPv6 Command Reference
<b>IRP</b>	Cisco IOS IP Routing Protocols Command Reference
<b>ISO</b>	Cisco IOS ISO CLNS Command Reference
<b>ISW</b>	Cisco IOS IP Switching Command Reference
<b>MWR</b>	Cisco IOS Mobile Wireless Radio Access Networking Command Reference
<b>IPX</b>	Cisco IOS Novell IPX Command Reference
<b>QOS</b>	Cisco IOS Quality of Service Solutions Command Reference
<b>SEC</b>	Cisco IOS Security Command Reference
<b>SLA</b>	Cisco IOS IP SLAs Command Reference
<b>SSG</b>	Cisco IOS Service Selection Gateway Command Reference
<b>TSV</b>	Cisco IOS Terminal Services Command Reference
<b>VR</b>	Cisco IOS Voice Command Reference
<b>WAN</b>	Cisco IOS Wide-Area Networking Command Reference

---

### C

ca trust-point	<a href="#">SR-131</a>
cable bundle	<a href="#">XR-12</a>
cable helper-address	<a href="#">XR-14</a>
cablelength	<a href="#">IR-37</a>
cablelength (E1 controller)	<a href="#">IR-39</a>
cablelength long	<a href="#">IR-40</a>
cablelength short	<a href="#">IR-43</a>
cac master	<a href="#">VR-96, VR-110</a>
cac_off	<a href="#">VR-111</a>
cache	<a href="#">IPv6-78, XR-15</a>
cache (neighbor BE)	<a href="#">VR-97, VR-112</a>
cache clear age	<a href="#">SR-133</a>
cache disable	<a href="#">SR-134</a>
cache max	<a href="#">SR-135</a>
cache refresh	<a href="#">SR-136</a>
cache reload time (global application configuration mode)	<a href="#">VR-113</a>
cadence	<a href="#">VR-98, VR-115</a>
cadence-list	<a href="#">VR-100, VR-117</a>
cadence-max-off-time	<a href="#">VR-102, VR-119</a>
cadence-min-on-time	<a href="#">VR-103, VR-120</a>
cadence-variation	<a href="#">VR-104, VR-121</a>
calendar set	<a href="#">CFR-85</a>
call accounting-template	<a href="#">VR-123</a>
call accounting-template voice	<a href="#">VR-106, VR-125</a>
call accounting-template voice reload	<a href="#">VR-107, VR-127</a>
call application alternate	<a href="#">VR-108, VR-130</a>
call application cache reload time	<a href="#">VR-110, VR-132</a>
call application dump event-log	<a href="#">VR-134</a>
call application event-log	<a href="#">VR-135</a>
call application event-log dump ftp	<a href="#">VR-137</a>

- call application event-log error-only [VR-139](#)
- call application event-log max-buffer-size [VR-141](#)
- call application global [VR-143](#)
- call application history session event-log save-exception-only [VR-145](#)
- call application history session max-records [VR-147](#)
- call application history session retain-timer [VR-149](#)
- call application interface dump event-log [VR-151](#)
- call application interface event-log [VR-152](#)
- call application interface event-log dump ftp [VR-154](#)
- call application interface event-log error-only [VR-156](#)
- call application interface event-log max-buffer-size [VR-158](#)
- call application interface max-server-records [VR-160](#)
- call application interface stats [VR-162](#)
- call application session start (global) [VR-164](#)
- call application session start (privileged EXEC) [VR-166](#)
- call application session stop [VR-168](#)
- call application stats [VR-170](#)
- call application voice [VR-111, VR-172](#)
- call application voice access-method [VR-114, VR-176](#)
- call application voice account-id-method [VR-116, VR-178](#)
- call application voice accounting enable [VR-118, VR-180](#)
- call application voice accounting-list [VR-119, VR-182](#)
- call application voice accounting-template [VR-121, VR-184](#)
- call application voice authen-list [VR-123, VR-186](#)
- call application voice authen-method [VR-125, VR-188](#)
- call application voice authentication enable [VR-127, VR-190](#)
- call application voice default disc-prog-ind-at-connect [VR-192](#)
- call application voice dsn-script [VR-128, VR-194](#)
- call application voice event-log [VR-196](#)
- call application voice fax-dtmf [VR-130, VR-198](#)
- call application voice global-password [VR-132, VR-200](#)
- call application voice language [VR-133, VR-202](#)
- call application voice load [VR-137, VR-206](#)
- call application voice mail-script [VR-139, VR-208](#)
- call application voice mode [VR-141, VR-210](#)
- call application voice pin-len [VR-143, VR-212](#)
- call application voice prompt [VR-146, VR-215](#)
- call application voice redirect-number [VR-148, VR-217](#)
- call application voice retry-count [VR-151, VR-220](#)
- call application voice security trusted [VR-154, VR-223](#)
- call application voice set-location [VR-156, VR-226](#)
- call application voice transfer mode [VR-160, VR-230](#)
- call application voice transfer reroute-mode [VR-162, VR-232](#)
- call application voice uid-length [VR-164, VR-234](#)
- call application voice voice-dtmf [VR-167, VR-237](#)
- call application voice warning-time [VR-169, VR-239](#)
- call fallback [VR-172, VR-246](#)
- call fallback active [VR-174, VR-248](#)
- call fallback cache-size [VR-176, VR-250](#)
- call fallback cache-timeout [VR-178, VR-252](#)
- call fallback expect-factor [VR-254](#)
- call fallback instantaneous-value-weight [VR-180, VR-256](#)
- call fallback jitter-probe dscp [VR-182, VR-258](#)
- call fallback jitter-probe num-packets [VR-184, VR-260](#)
- call fallback jitter-probe precedence [VR-185, VR-262](#)
- call fallback jitter-probe priority-queue [VR-187, VR-264](#)
- call fallback key-chain [VR-189, VR-266](#)
- call fallback map address-list [VR-191, VR-267](#)
- call fallback map subnet [VR-193, VR-269](#)
- call fallback monitor [VR-195, VR-271](#)
- call fallback probe-timeout [VR-197, VR-273](#)
- call fallback reject-cause-code [VR-199, VR-275](#)
- call fallback threshold delay loss [VR-206, VR-282](#)
- call fallback threshold icpif [VR-208, VR-284](#)
- call fallback wait-timeout [VR-210, VR-286](#)
- call filter match-list voice [VR-287](#)
- call forward all [VR-288](#)
- call forward cancel [VR-290](#)
- call guard-timer [SR-137](#)
- call history max [VR-292](#)
- call language voice [VR-211, VR-293](#)

- call language voice load [VR-212, VR-294](#)
- call leg dump event-log [VR-295](#)
- call leg event-log [VR-296](#)
- call leg event-log dump ftp [VR-298](#)
- call leg event-log max-buffer-size [VR-301](#)
- call leg history event-log save-exception-only [VR-302](#)
- call leevent-log error-only [VR-300](#)
- call preserve [VR-305](#)
- call progress tone country [DR-36](#)
- call rscmon update-timer [VR-213, VR-309](#)
- call rsvp-sync [VR-214, VR-310](#)
- call rsvp-sync resv-timer [VR-215, VR-311](#)
- call service stop [VR-217, VR-313](#)
- call spike [VR-218, VR-314](#)
- call start [VR-220, VR-316](#)
- call threshold global [VR-222, VR-319](#)
- call threshold interface [VR-224, VR-321](#)
- call threshold poll-interval [VR-226, VR-323](#)
- call treatment [VR-228](#)
- call treatment action [VR-325](#)
- call treatment cause-code [VR-327](#)
- call treatment isdn-reject [VR-329](#)
- call treatment on [VR-331](#)
- call-agent [VR-128, VR-230](#)
- call-block (dial peer) [VR-242](#)
- call-block (dial-peer) [VR-232](#)
- call-denial [VR-234, VR-245](#)
- call-forward all (ephone-dn) [VR-255](#)
- call-forward busy (cm-fallback) [VR-257](#)
- call-forward busy (ephone-dn) [VR-259](#)
- call-forward noan (cm-fallback) [VR-261](#)
- call-forward noan (ephone-dn) [VR-263](#)
- call-forward pattern [VR-265](#)
- call-manager-fallback [VR-273](#)
- call-router [VR-275](#)
- call-router h323-annexg [VR-333](#)
- call-routing hunt-scheme [VR-308](#)
- call-type [DR-51](#)
- call-type cas [DR-52](#)
- call-waiting [VR-276, VR-334](#)
- callback forced-wait [DR-38](#)
- callback nodsr-wait [DR-39](#)
- called-number (dial peer) [VR-335](#)
- called-number (dial-peer) [VR-235](#)
- called-number (modem pool) [DR-40](#)
- caller-id [VR-237](#)
- caller-id (dial peer) [VR-337](#)
- caller-id alerting dsp-pre-alloc [VR-239, VR-339](#)
- caller-id alerting line-reversal [VR-241, VR-341](#)
- caller-id alerting pre-ring [VR-243, VR-343](#)
- caller-id alerting ring [VR-245, VR-345](#)
- caller-id attenuation [VR-247, VR-347](#)
- caller-id block [VR-248, VR-348](#)
- caller-id block (ephone-dn) [VR-250](#)
- caller-id enable [VR-251, VR-350](#)
- caller-number [VR-253, VR-353](#)
- calling-info pstn-to-sip [VR-267, VR-355](#)
- calling-info sip-to-pstn [VR-269, VR-357](#)
- calling-number outbound [VR-271, VR-359](#)
- callmonitor [VR-303](#)
- calltracker call-record [DR-42](#)
- calltracker enable [DR-45](#)
- calltracker history max-size [DR-47](#)
- calltracker history retain-mins [DR-48](#)
- calltracker timestamp [DR-49](#)
- cap-list vfc [VR-277, VR-363](#)
- capability lls [IP2R-94](#)
- capability vrf-lite [IP2R-95](#)
- capacity update interval (dial peer) [VR-278, VR-361](#)
- capacity update interval (trunk group) [VR-279, VR-362](#)
- card type (t1/e1) [VR-280, VR-364](#)
- card type (t3/e3) [VR-281, VR-365](#)
- carrier-delay [IR-45](#)
- carrier-id (dial peer) [VR-367](#)
- carrier-id (dial-peer) [VR-283](#)
- carrier-id (global) [VR-285, VR-369](#)
- carrier-id (trunk group) [VR-286, VR-370](#)
- carrier-id (voice source group) [VR-288, VR-372](#)

- cas-custom [DR-53](#)
- cas-group (E1 controller) [DR-59](#)
- cas-group (T1 controller) [DR-63](#)
- cause-code [VR-290](#), [VR-374](#)
- cbr [WR-90](#)
- ccm-manager application redundant-link port [VR-291](#), [VR-375](#)
- ccm-manager config [VR-292](#), [VR-376](#)
- ccm-manager download-tones [VR-378](#)
- ccm-manager fallback-mgcp [VR-294](#), [VR-379](#)
- ccm-manager fax protocol [VR-380](#)
- ccm-manager mgcp [VR-295](#), [VR-382](#)
- ccm-manager music-on-hold [VR-297](#), [VR-384](#)
- ccm-manager music-on-hold bind [VR-299](#), [VR-386](#)
- ccm-manager redundant-host [VR-301](#), [VR-388](#)
- ccm-manager sccp [VR-390](#)
- ccm-manager sccp local [VR-391](#)
- ccm-manager shut-backhaul-interfaces [VR-392](#)
- ccm-manager shut-interfaces-tftp-fails [VR-394](#)
- ccm-manager switchback [VR-303](#), [VR-395](#)
- ccm-manager switchover-to-backup [VR-305](#), [VR-397](#)
- ccs connect (controller) [VR-306](#), [VR-397](#)
- ccs connect (interface) [VR-308](#), [VR-399](#)
- ccs encaps frf11 [VR-310](#), [VR-401](#)
- cd [CFR-86](#)
- cdeny (extended) [P6R-20](#)
- cdma pdsn ipv6 [IPv6-80](#)
- cdp advertise-v2 [CFR-87](#)
- cdp enable [CFR-88](#)
- cdp holdtime [CFR-89](#)
- cdp log mismatch duplex [CFR-90](#)
- cdp run [CFR-92](#)
- cdp source-interface [CFR-94](#)
- cdp timer [CFR-96](#)
- cdr-format [VR-402](#)
- cef table consistency-check [IPv6-81](#)
- certificate [SR-138](#)
- certificate reload [B1R-141](#), [B2R-99](#)
- ces [WR-111](#)
- ces aal1 clock [WR-92](#)
- ces aal1 service [WR-93](#)
- ces cell-loss-integration-period [VR-311](#)
- ces circuit [WR-95](#)
- ces clockmode synchronous [VR-313](#)
- ces connect [VR-314](#)
- ces dsx1 clock source [WR-98](#)
- ces dsx1 framing [WR-99](#)
- ces dsx1 lbo [WR-101](#)
- ces dsx1 linecode [WR-102](#)
- ces dsx1 loopback [WR-104](#)
- ces dsx1 signalmode robbedbit [WR-105](#)
- ces initial-delay [VR-317](#)
- ces max-buf-size [VR-318](#)
- ces partial-fill [WR-107](#)
- ces pvc [WR-109](#)
- ces service [VR-319](#)
- ces-cdv [WR-112](#)
- ces-clock [VR-320](#), [VR-404](#)
- cgma-agent [VR-321](#), [VR-405](#)
- channel-group [DR-68](#), [VR-324](#), [VR-408](#)
- channel-group (EtherChannel) [IR-46](#)
- channel-group (Fast EtherChannel) [IR-48](#)
- channel-id [VR-326](#), [VR-413](#)
- channel-protocol [B1R-142](#), [B2R-100](#)
- channelized [IR-50](#)
- chat-script [DR-72](#)
- class [WR-113](#)
- class (controller) [DR-75](#)
- class (map-list) [WR-115](#)
- class (MPLS) [XR-16](#)
- class (policy-map) [QR-20](#)
- class-bundle [QR-24](#)
- class-int [WR-117](#)
- class-map [QR-26](#)
- class-range [WR-119](#)
- class-vc [WR-121](#)
- claw (backup) [B1R-143](#), [B2R-101](#)
- claw (primary) [B1R-146](#), [B2R-104](#)

- clear aaa cache filterserver acl SR-140
- clear access-list counters IP1R-41
- clear access-template SR-141
- clear adjacency XR-17
- clear adjacency epoch XR-18
- clear aim IR-51
- clear alps circuits B1R-149, B2R-107
- clear alps counters B1R-150, B2R-108
- clear appletalk arp P3R-95
- clear appletalk neighbor P3R-96
- clear appletalk route P3R-97
- clear appletalk traffic P3R-98
- clear arp interface IP1R-42
- clear arp-cache IP1R-43
- clear atm arp WR-124
- clear atm vc XR-19
- clear backhaul-session-manager group stats VR-328, VR-415
- clear bgp ipv6 IPv6-84
- clear bgp ipv6 dampening IPv6-87
- clear bgp ipv6 external IPv6-89
- clear bgp ipv6 flap-statistics IPv6-91
- clear bgp ipv6 peer-group IPv6-93
- clear bgp nsap IP2R-96
- clear bgp nsap dampening IP2R-98
- clear bgp nsap external IP2R-99
- clear bgp nsap flap-statistics IP2R-100
- clear bgp nsap peer-group IP2R-101
- clear bridge B1R-71
- clear bridge multicast B1R-72
- clear call application interface VR-416
- clear call application stats VR-418
- clear call fallback cache VR-329, VR-419
- clear call fallback stats VR-330, VR-420
- clear call threshold VR-331, VR-421
- clear call treatment stats VR-333, VR-423
- clear call voice VR-424
- clear call-router routes VR-334, VR-425
- clear cdp counters CFR-98
- clear cdp table CFR-99
- clear cef interface XR-23
- clear cef linecard XR-24
- clear cef table IPv6-94
- clear clns cache P5R-3
- clear clns es-neighbors P5R-4
- clear clns is-neighbors P5R-5
- clear clns neighbors P5R-6
- clear clns route P5R-7
- clear clns traffic P5R-8
- clear cns config stats CFR-100
- clear cns counters CFR-101
- clear cns event stats CFR-102
- clear cns image connections CFR-103
- clear cns image status CFR-104
- clear controller IR-52
- clear controller call-counters VR-426
- clear controller t1 VR-335, VR-431
- clear cot summary DR-76
- clear counters IR-53
- clear counters (async) DR-77
- clear counters line DR-79
- clear crypto engine accelerator counter SR-142
- clear crypto ipsec client ezvpn SR-144
- clear crypto isakmp SR-146
- clear crypto sa SR-147
- clear csm-statistics modem VR-350, VR-441
- clear csm-statistics voice VR-351, VR-442
- clear dbconn connection B1R-151, B2R-109
- clear dbconn statistic B1R-152, B2R-110
- clear decnet accounting P4R-11
- clear decnet counters P4R-13
- clear dialer DR-81
- clear dialer dnis DR-82
- clear dialer sessions DR-84
- clear dlsw circuit B1R-153, B2R-111
- clear dlsw history B2R-112
- clear dlsw local-circuit B2R-113
- clear dlsw reachability B1R-154, B2R-114

- clear dlsw statistics [B1R-155](#), [B2R-115](#)
- clear dlsw transparent [B2R-116](#)
- clear drip counters [B1R-73](#)
- clear dsip tracing [DR-85](#), [IR-56](#)
- clear entry [TR-20](#)
- clear extended counters [B1R-156](#), [B2R-117](#)
- clear frame-relay-inarp [WR-125](#)
- clear gprs isgsn statistics [MWR-106](#)
- clear h323 gatekeeper call [VR-352](#), [VR-443](#)
- clear h323 gatekeeper endpoint [VR-354](#), [VR-445](#)
- clear h323 gatekeeper statistics [VR-356](#), [VR-447](#)
- clear h323 gateway [VR-357](#), [VR-448](#)
- clear host [IP1R-44](#)
- clear hub [IR-57](#)
- clear hub counters [IR-58](#)
- clear interface [IR-62](#)
- clear interface cable-modem [VR-450](#)
- clear interface fastethernet [IR-59](#)
- clear interface serial [IR-61](#)
- clear interface virtual-access [DR-86](#)
- clear ip accounting [IP1R-45](#)
- clear ip audit configuration [SR-149](#)
- clear ip audit statistics [SR-150](#)
- clear ip auth-proxy cache [SR-151](#)
- clear ip bgp [IP2R-102](#)
- clear ip bgp dampening [IP2R-104](#)
- clear ip bgp external [IP2R-105](#)
- clear ip bgp flap-statistics [IP2R-107](#)
- clear ip bgp peer-group [IP2R-108](#)
- clear ip cache [XR-20](#)
- clear ip cef epoch [XR-21](#)
- clear ip cef event-log [XR-25](#)
- clear ip cef inconsistency [XR-26](#)
- clear ip cef prefix-statistics [XR-27](#)
- clear ip cgmp [IP3R-5](#)
- clear ip dhcp binding [IP1R-46](#)
- clear ip dhcp conflict [IP1R-48](#)
- clear ip dhcp server statistics [IP1R-50](#)
- clear ip dhcp subnet [IP1R-51](#)
- clear ip drp [IP1R-53](#)
- clear ip dvmrp route [IP3R-6](#)
- clear ip eigrp neighbors [IP2R-109](#)
- clear ip eigrp vrf neighbor [IP2R-110](#)
- clear ip flow stats [XR-28](#)
- clear ip igmp group [IP3R-7](#)
- clear ip mds [XR-29](#)
- clear ip mds forwarding [XR-30](#)
- clear ip mobile binding [IP1R-7](#)
- clear ip mobile host-counters [IP1R-9](#)
- clear ip mobile router agent [IP1R-11](#)
- clear ip mobile router registration [IP1R-12](#)
- clear ip mobile router traffic [IP1R-13](#)
- clear ip mobile secure [IP1R-15](#)
- clear ip mobile traffic [IP1R-17](#)
- clear ip mobile visitor [IP1R-19](#)
- clear ip mrm status-report [IP3R-9](#)
- clear ip mroute [IP3R-10](#)
- clear ip msdp peer [IP3R-12](#)
- clear ip msdp sa-cache [IP3R-13](#)
- clear ip msdp statistics [IP3R-14](#)
- clear ip nat translation [IP1R-54](#)
- clear ip nhrp [IP1R-56](#)
- clear ip ospf [IP2R-111](#)
- clear ip pgm host [IP3R-15](#)
- clear ip pgm router [IP3R-16](#)
- clear ip pim auto-rp [IP3R-17](#)
- clear ip pim interface count [XR-31](#)
- clear ip pim rp-mapping [IP3R-18](#)
- clear ip prefix-list [IP2R-112](#)
- clear ip route [IP1R-58](#)
- clear ip route dhcp [IP1R-57](#)
- clear ip route download [DR-87](#)
- clear ip route vrf [XR-32](#)
- clear ip rsvp authentication [QR-28](#)
- clear ip rsvp counters [QR-30](#)
- clear ip rsvp reservation [QR-32](#)
- clear ip rsvp sender [QR-34](#)
- clear ip rsvp signalling rate-limit [QR-36](#)

- clear ip rsvp signalling refresh reduction [QR-37](#)
- clear ip rtp header-compression [IP3R-19](#)
- clear ip sap [IP3R-20](#)
- clear ip sctp statistics [VR-359, VR-451](#)
- clear ip sdr [IP3R-21](#)
- clear ip slb [IP1R-59](#)
- clear ip snat sessions [IP1R-60](#)
- clear ip snat translation distributed [IP1R-61](#)
- clear ip snat translation peer [IP1R-62](#)
- clear ip trigger-authentication [SR-152](#)
- clear ip urlfilter cache [SR-153](#)
- clear ip wccp [IP1R-63](#)
- clear ipc statistics [IR-65](#)
- clear ipv6 access-list [IPv6-97](#)
- clear ipv6 dhcp binding [IPv6-98](#)
- clear ipv6 dhcp client [IPv6-99](#)
- clear ipv6 eigrp [IPv6-100](#)
- clear ipv6 flow stats [IPv6-101](#)
- clear ipv6 inspect [IPv6-102](#)
- clear ipv6 mfib counters [IPv6-103](#)
- clear ipv6 mld counters [IPv6-104](#)
- clear ipv6 mld traffic [IPv6-105](#)
- clear ipv6 mobile binding [IPv6-106](#)
- clear ipv6 mobile home-agents [IPv6-108](#)
- clear ipv6 mobile traffic [IPv6-109](#)
- clear ipv6 multicast aaa authorization [IPv6-111](#)
- clear ipv6 nat translation [IPv6-112](#)
- clear ipv6 neighbors [IPv6-114](#)
- clear ipv6 ospf [IPv6-115](#)
- clear ipv6 ospf counters [IPv6-116](#)
- clear ipv6 ospf events [IPv6-118](#)
- clear ipv6 pim counters [IPv6-119](#)
- clear ipv6 pim reset [IPv6-120](#)
- clear ipv6 pim topology [IPv6-121](#)
- clear ipv6 prefix-list [IPv6-122](#)
- clear ipv6 rip [IPv6-124](#)
- clear ipv6 route [IPv6-125](#)
- clear ipv6 traffic [IPv6-127](#)
- clear ipx accounting [P6R-16](#)
- clear ipx cache [P6R-18](#)
- clear ipx sap [P6R-19](#)
- clear kerberos creds [SR-154](#)
- clear l2relay statistics [MWR-107](#)
- clear l2relay topology-map [MWR-108](#)
- clear lane le-arp [XR-33](#)
- clear lane server [XR-35](#)
- clear line [DR-88](#)
- clear line async-queue [DR-89](#)
- clear logging [CFR-105](#)
- clear logging xml [CFR-106](#)
- clear mac-address-table [XR-37](#)
- clear mgcp src-stats [VR-361, VR-453](#)
- clear mgcp statistics [VR-362, VR-454](#)
- clear mls cef ipv6 accounting per-prefix [IPv6-129](#)
- clear modem [DR-90](#)
- clear modem counters [DR-92](#)
- clear modem log [DR-94](#)
- clear modempool-counters [DR-96](#)
- clear mpls traffic-eng auto-bw timers [XR-40](#)
- clear mpoa client cache [XR-41](#)
- clear mpoa server cache [XR-42](#)
- clear mrep client statistics [VR-363, VR-455](#)
- clear ncia circuit [B1R-158, B2R-119](#)
- clear ncia client [B1R-160, B2R-121](#)
- clear ncia client registered [B1R-159, B2R-120](#)
- clear netbios-cache [B1R-74](#)
- clear parser cache [CFR-107](#)
- clear port [DR-98](#)
- clear port log [DR-100](#)
- clear pppatm interface atm [WR-126](#)
- clear pppoe [WR-127](#)
- clear resource-pool [DR-102](#)
- clear rif-cache [B1R-75](#)
- clear rlm group [VR-364, VR-456](#)
- clear rpms-proc counters [VR-366, VR-458](#)
- clear rudpv0 statistics [VR-367, VR-459](#)
- clear rudpv1 statistics [VR-368, VR-460](#)
- clear saa apm cache [CFR-108](#)

- clear sccp server statistics [VR-461](#)
- clear sctp statistics [VR-462](#)
- clear sdsfarm counters [VR-464](#)
- clear service-module serial [IR-68](#)
- clear sgcp statistics [VR-369, VR-465](#)
- clear sip-ua statistics [VR-370, VR-466](#)
- clear sip-ua tcp connection [VR-467](#)
- clear sip-ua tcp tls connection [VR-469](#)
- clear sip-ua udp connection [VR-471](#)
- clear snapshot quiet-time [DR-103](#)
- clear source-bridge [B1R-76](#)
- clear spe [DR-104](#)
- clear spe counters [DR-106](#)
- clear spe log [DR-108](#)
- clear ss7 sm stats [VR-371, VR-473](#)
- clear sse [B1R-77](#)
- clear ssg connection [2-6, WR-128](#)
- clear ssg host [2-7, WR-129](#)
- clear ssg next-hop [2-8, WR-130](#)
- clear ssg open-garden [2-9, WR-131](#)
- clear ssg pass-through-filter [2-10, WR-132](#)
- clear ssg pending-command [2-11, WR-133](#)
- clear ssg radius-proxy client-address [2-12, WR-134](#)
- clear ssg radius-proxy nas-address [2-13, WR-135](#)
- clear ssg service [2-15, WR-136](#)
- clear statistics dial-peer voice [VR-372, VR-474](#)
- clear subscription [VR-476](#)
- clear tarp counters [P5R-9](#)
- clear tarp ldb-table [P5R-10](#)
- clear tarp tid-table [P5R-11](#)
- clear tcp [CFR-110](#)
- clear tcp statistics [IP1R-64](#)
- clear time-range ipc [IP1R-65](#)
- clear txconn connection [B1R-161, B2R-122](#)
- clear txconn statistic [B1R-162, B2R-123](#)
- clear txconn transaction [B1R-164, B2R-125](#)
- clear vlan [XR-43](#)
- clear vlan mapping [XR-44](#)
- clear vlan statistics [B1R-78](#)
- clear voice accounting method [VR-477](#)
- clear voice dsp [VR-478](#)
- clear voice port [VR-374](#)
- clear voice statistics [VR-480](#)
- clear vpdn counters [DR-110](#)
- clear vpdn history failure [DR-112](#)
- clear vpdn redirect [DR-113](#)
- clear vpdn tunnel [DR-114](#)
- clear vpdn tunnel pppoe [WR-137](#)
- clear vsp statistics [VR-375, VR-481](#)
- clear x25 [WR-138](#)
- clear xot [WR-140](#)
- clear xsm [CFR-112](#)
- cli [CFR-113](#)
- cli (cns) [CFR-114](#)
- clid [SR-155, VR-478](#)
- clid (dial peer) [VR-480](#)
- clid (dial-peer) [VR-376](#)
- clid (voice-service-voip) [VR-483](#)
- clid group [DR-116](#)
- clid strip [VR-485](#)
- client [IP1R-66](#)
- client authentication list [SR-157](#)
- client configuration address [SR-159](#)
- client ip [B1R-165, B2R-126](#)
- client ip lu [B1R-167, B2R-128](#)
- client ip pool [B1R-169, B2R-130](#)
- client lu maximum [B1R-171, B2R-132](#)
- client pool [B1R-173, B2R-134](#)
- client-address [2-16, WR-141](#)
- client-atm-address name [XR-45](#)
- client-identifier [IP1R-67](#)
- client-name [IP1R-68](#)
- clns access-group [P5R-12](#)
- clns adjacency-filter [P5R-14](#)
- clns cache-invalidate-delay [P5R-16](#)
- clns checksum [P5R-18](#)
- clns cluster-alias [P5R-19](#)
- clns configuration-time [P5R-20](#)

- clns congestion-threshold [P5R-22](#)
- clns dec-compatible [P5R-23](#)
- clns enable [P5R-24](#)
- clns erpdu-interval [P5R-25](#)
- clns es-neighbor [P5R-27](#)
- clns esct-time [P5R-26](#)
- clns filter-expr [P5R-29](#)
- clns filter-set [P5R-31](#)
- clns holding-time [P5R-33](#)
- clns host [P5R-34](#)
- clns is-neighbor [P5R-36](#)
- clns mtu [P5R-37](#)
- clns net (global) [P5R-39](#)
- clns net (interface) [P5R-40](#)
- clns packet-lifetime [P5R-41](#)
- clns rdpdu-interval [P5R-42](#)
- clns route (create) [P5R-43](#)
- clns route (enter) [P5R-45](#)
- clns route default [P5R-47](#)
- clns route default discard [P5R-48](#)
- clns route discard [P5R-50](#)
- clns route-cache [P5R-46](#)
- clns router isis [P5R-52](#)
- clns router iso-igrp [P5R-54](#)
- clns routing [P5R-55](#)
- clns security pass-through [P5R-56](#)
- clns send-erpdu [P5R-57](#)
- clns send-rdpdu [P5R-58](#)
- clns split-horizon [P5R-59](#)
- clns template-alias [P5R-61](#)
- clns want-erpdu [P5R-63](#)
- clock calendar-valid [CFR-117](#)
- clock rate [IR-69](#)
- clock rate line [IR-71](#)
- clock rate network-clock [IR-72](#)
- clock read-calendar [CFR-118](#)
- clock set [CFR-119](#)
- clock source (controller) [IR-73](#)
- clock source (CT3IP) [IR-75](#)
- clock source (interface) [IR-77](#)
- clock source (J1 controller) [IR-79](#)
- clock source (SONET controller) [IR-80](#)
- clock source (T1/E1 controller) [IR-81](#)
- clock source (T1/E1 interface) [IR-83](#)
- clock source (T3/E3 controller) [IR-85](#)
- clock source line [DR-117](#)
- clock summer-time [CFR-120](#)
- clock timezone [CFR-122](#)
- clock update-calendar [CFR-113](#)
- clock-select [VR-378](#), [VR-487](#)
- clp-bit [WR-143](#)
- cmns enable [WR-144](#)
- cmpc [B2R-137](#)
- cmt connect [IR-87](#)
- cmt disconnect [IR-89](#)
- cns config cancel [CFR-114](#)
- cns config connect-intf [CFR-116](#)
- cns config initial [CFR-118](#)
- cns config notify [CFR-120](#)
- cns config partial [CFR-122](#)
- cns config retrieve [CFR-124](#)
- cns connect [CFR-126](#)
- cns event [CFR-128](#)
- cns exec [CFR-130](#)
- cns id [CFR-132](#)
- cns image [CFR-134](#)
- cns image password [CFR-136](#)
- cns image retrieve [CFR-137](#)
- cns image retry [CFR-139](#)
- cns inventory [CFR-140](#)
- cns mib-access encapsulation [CFR-141](#)
- cns notifications encapsulation [CFR-142](#)
- cns template connect [CFR-143](#)
- cns trusted-server [CFR-145](#)
- codec (dial peer) [VR-488](#)
- codec (dial-peer) [VR-379](#)
- codec (DSP farm profile) [VR-495](#)
- codec (dsp) [VR-384](#), [VR-493](#)

- codec (voice-port) [VR-386](#)
- codec aal2-profile [VR-387](#), [VR-497](#)
- codec complexity [VR-389](#), [VR-499](#)
- codec gsmamr-nb [VR-505](#)
- codec ilbc [VR-503](#)
- codec preference [VR-393](#), [VR-507](#)
- collocated single-tunnel [IP1R-20](#)
- comfort-noise [VR-399](#), [VR-512](#)
- compand-type [VR-401](#), [VR-513](#)
- compatible rfc1583 [IP2R-113](#)
- compress [IR-91](#)
- compress mppc [IR-96](#)
- compress stac caim [IR-97](#)
- compression header ip [QR-38](#)
- condition [VR-402](#), [VR-518](#)
- conference-join custom-cptone [VR-514](#)
- conference-leave custom-cptone [VR-516](#)
- config-cli [CFR-147](#)
- config-register [CFR-149](#)
- configure memory [CFR-151](#)
- configure network [CFR-152](#)
- configure overwrite-network [CFR-153](#)
- configure terminal [CFR-154](#)
- confreg [CFR-155](#)
- connect [TR-21](#)
- connect (atm) [VR-404](#)
- connect (channel bank) [VR-520](#)
- connect (drop-and-insert) [VR-406](#), [VR-522](#)
- connect (Frame Relay) [WR-145](#)
- connect (FRF.5) [WR-147](#)
- connect (FRF.8) [WR-149](#)
- connect (global) [VR-408](#)
- connect atm [VR-524](#)
- connect interval [VR-526](#)
- connect retries [VR-527](#)
- connect voice [VR-409](#)
- connection [VR-410](#), [VR-529](#)
- connection-timeout [VR-414](#), [VR-534](#)
- context [IPv6-130](#)
- continue [CFR-157](#)
- controller [IR-99](#)
- controller e3 [IR-101](#)
- controller shdsl [WR-151](#)
- controller sonet [IR-102](#)
- controller t3 [IR-103](#)
- copy [CFR-158](#), [IPv6-132](#)
- copy erase flash [CFR-173](#)
- copy flash vfc [VR-416](#), [VR-536](#)
- copy modem [DR-119](#)
- copy tftp vfc [VR-417](#), [VR-537](#)
- copy verify [CFR-176](#)
- copy verify bootflash [CFR-174](#)
- copy verify flash [CFR-175](#)
- cor (cm-fallback) [VR-418](#)
- cor (ephone-dn) [VR-420](#)
- corlist incoming [DR-122](#), [VR-422](#), [VR-538](#)
- corlist outgoing [DR-124](#), [VR-423](#), [VR-540](#)
- cpp authentication [DR-126](#)
- cpp callback accept [DR-128](#)
- cptone [VR-424](#), [VR-541](#)
- crc [IR-105](#)
- crc bits 5 [IR-107](#)
- crc4 [IR-106](#)
- create cnf-files [VR-429](#)
- credential load [VR-544](#)
- crl best-effort [SR-160](#)
- crl optional [SR-162](#)
- crl query [SR-164](#)
- cross-connect [VR-430](#)
- crypto ca authenticate [SR-166](#)
- crypto ca certificate chain [SR-168](#)
- crypto ca certificate map [SR-170](#)
- crypto ca certificate query (ca-trustpoint) [SR-173](#)
- crypto ca certificate query (global) [SR-175](#)
- crypto ca crl request [SR-176](#)
- crypto ca enroll [SR-177](#)
- crypto ca export pkcs12 [SR-180](#)
- crypto ca identity [SR-181](#)

- crypto ca import [SR-184](#)
- crypto ca import pkcs12 [SR-182](#)
- crypto ca trusted-root [SR-185](#)
- crypto ca trustpoint [SR-186](#)
- crypto dynamic-map [SR-185](#)
- crypto engine accelerator [SR-188](#)
- crypto identity [SR-190](#)
- crypto ipsec [IP1R-69](#)
- crypto ipsec client ezvpn (global) [SR-192](#)
- crypto ipsec client ezvpn (interface) [SR-195](#)
- crypto ipsec client ezvpn connect [SR-198](#)
- crypto ipsec client ezvpn xauth [SR-199](#)
- crypto ipsec df-bit (global) [SR-201](#)
- crypto ipsec df-bit (interface) [SR-202](#)
- crypto ipsec fragmentation (global) [SR-204](#)
- crypto ipsec fragmentation (interface) [SR-205](#)
- crypto ipsec nat-transparency [SR-207](#)
- crypto ipsec optional [SR-209](#)
- crypto ipsec optional retry [SR-210](#)
- crypto ipsec profile [IPv6-150, SR-211](#)
- crypto ipsec security-association idle-time [SR-213](#)
- crypto ipsec security-association lifetime [SR-215](#)
- crypto ipsec transform-set [SR-217](#)
- crypto isakmp aggressive-mode disable [SR-221](#)
- crypto isakmp client configuration address-pool local [SR-222](#)
- crypto isakmp client configuration group [SR-223](#)
- crypto isakmp enable [SR-225](#)
- crypto isakmp identity [IPv6-152, SR-226](#)
- crypto isakmp keepalive [SR-228](#)
- crypto isakmp key [IPv6-154, SR-229](#)
- crypto isakmp nat keepalive [SR-231](#)
- crypto isakmp peer [IPv6-157, SR-232](#)
- crypto isakmp policy [IPv6-159, SR-234](#)
- crypto isakmp profile [IPv6-161, SR-236](#)
- crypto key generate rsa [SR-238](#)
- crypto key pubkey-chain rsa [SR-243](#)
- crypto key zeroize rsa [SR-245](#)
- crypto keyring [IPv6-164, SR-247](#)
- crypto map (global IPsec) [SR-248](#)
- crypto map (interface IPsec) [SR-253](#)
- crypto map client authentication list [SR-256](#)
- crypto map client configuration address [SR-258](#)
- crypto map isakmp authorization list [SR-259](#)
- crypto map isakmp-profile [SR-261](#)
- crypto map local-address [SR-262](#)
- crypto mib ipsec flowmib history failure size [SR-264](#)
- crypto mib ipsec flowmib history tunnel size [SR-265](#)
- crypto mib topn [CFR-177](#)
- crypto pki crl request [SR-266](#)
- crypto pki trustpoint [SR-267](#)
- csna [B2R-139](#)
- ctunnel destination [P5R-64](#)
- ctunnel mode [IPv6-165](#)
- ctype [SR-269](#)
- custom-queue-list [QR-40](#)
- customer-id [VR-432](#)
- cut-through [IR-108](#)

