Internal Troubleshooting Commands for Cisco SD-WAN

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Introduction

Cisco SD-WAN internal and manufacturing commands are used by the Cisco support team to debug and troubleshoot Cisco SD-WAN device issues. These commands are hidden and password-protected. We do not recommend using these commands. To access the hidden commands, you have to provide the required command and the associated password. In future, the password for the hidden commands will be deprecated and most of these hidden commands will be removed.

Prerequisites

You need passwords to access and execute the Cisco SD-WAN hidden commands. Refer Cisco SD-WAN Internal Commands section.

Conventions

For more information on document conventions, refer to Cisco Technical Tips Conventions.

Cisco SD-WAN Internal Commands

To access and execute the hidden internal commands, use the **unhide viptela_internal** command, and provide the password **5mok!ngk!ll$**.

Hidden Cisco SD-WAN Internal Commands			
clear app dpi apps	show internal flow-summary	show internal app-route	tools internal mdio-read
clear app dpi cache	show internal fp	show internal cellular	tools internal mdio-write
clear app dpi protocol-hits	show internal ftm	show internal cfgmgr	tools internal mii-tool
clear app dpi summary	show internal gps	show internal cloudexpress	tools internal oui-lookup
clear autoip	show internal igmp	show internal container	tools internal poe-tool
clear certificate	show internal nat	show internal control	tools internal process_id
clear control port-index	show internal omp	show internal cxp-app	tools internal remove_tenancy
clear dhcp server-packet-stats	show internal orchestrator	show internal dbgd	tools internal tlv_tool
clear pseudo-commit	show internal pim	show internal dhcp	tools internal touch_test_root

Hidden Cisco SD-WAN Internal Commands

debug cfgmgr	show internal policy	show internal dnsd	tools internal tracker
debug fp dpi	show internal resolv	show internal dot1x	tools internal valgrind_tool
debug ftm input_ip_packet	show internal rtm	show internal dpi	tools ping
request csr upload ... org-unit	show internal server-app	show internal filter	tools policy
request csr upload ... sec-ondary-org-unit	show internal snmp	show internal flow-db	tools traceroute
request history	show internal sysmgr	request internal reset	show internal wlan
request internal cloudex-press	show internal system	request internal software patch	show internal zbf
request internal embargo	show internal tcpopt-db	request internal software patch-confirm	show omp ipv6-routes
request internal fec	show internal tcpopt-tcpd	request internal software un-patch	tools flood-ping
request internal fp-dump	show internal tracker	request internal vdebug	tools internal clean_db
request internal ftm	show internal ttm	request internal vedge-cloud	tools internal container
request internal interface-reset	show internal tunnel	request internal wlan	tools internal csr_read
request internal modem	show internal vrrp	request nms ... component jcmd gc-heap-dump	tools internal csr_write
request nms configuration-db console	tools internal ethtool	request vmanage-certificate	tools internal i2cdetect
request service-gre	tools internal firmware-printenv	show interface sfp raw-a0	tools internal i2cdump
request stream	tools internal fp-dump	show interface sfp raw-a2	tools internal i2cget
request vedge-upload	tools internal hostapd_cli	show internal admin-tech	tools internal i2cset

Cisco SD-WAN Internal Configuration Commands

bfd app-route flush-interval	system cloud-hosted	system fp-sw-bp-threshold	vpn 0 interface X tunnel-in-terface vmanage-connections
bfd app-route keepalive-in-terval	system daemon-reboot	system is_vmanaged	vpn X cloudexpress desired-latencv
omp multithreading	system daemon-restart	system patch-confirm	vpn X cloudexpress desired-loss

Cisco SD-WAN Internal Configuration Commands

omp timers multithreading-high-timer	system dnsd-ttl	system port-bp-threshold	vpn X interface ipsecX ike re-sponder
omp timers multithreading-low-timer	system dpi-cache-expiry	system pseudo-confirm-commit	vpn X interface ipsecX ipsec local-traffic-selectors
policy tcp-finwait-time	system dpi-cache-size	system reboot-on-failure	vpn X interface ipsecX ipsec remote-traffic-selectors
policy tcp-idle-time	system dpi-disable-track-tx	system simulated-color	vpn X interface X dhcp-server options netmask
policy tcp-synwait-time	system dpi-enable	system simulated-devices	vpn X interface X nat port-preserve
policy udp-idle-time	system dpi-gc-time	system simulated-wan-ip	vpn X interface X nat test-timeout
snmp access-list-name	system dpi-multicore	system standalone	vpn X omp ipv6-advertise
snmp ipv6-access-list-name	system dpi-stat-time	system sw-vedge-cpu-load-balance	vpn X router eigrp
snmp trap target vpn X X.X.X.X X retry	system fec-seq-sparse	system unpin-flows-with-re-boot	vpn X router ospf ignore-bad-lsreq
snmp trap target vpn X X.X.X.X X timeout	system fp-buffer-check	system ztp-status	vpn X router pim rp-address
system allow-sw-vedge	system fp-qos-interval	vpn 0 interface X tunnel-in-terface fec	
system ancor-wan-tunnel-pkts	system fp-qos-weight-per-cent-factor	vpn 0 interface X tunnel-in-terface limit-rate	

Cisco SD-WAN Manufacturing Commands

To access and execute the hidden manufacturing commands, use the unhide **viptela_manufacturing** command, and provide the password **dubbetevr**. This table lists the hidden Cisco SD-WAN manufacturing commands.

Cisco SD-WAN Manufacturing Commands
manufacturing modem
manufacturing config
manufacturing hardware

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