



Cisco Telemetry Commands

(Formerly *Cisco DNA Center APIs and Commands*)

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1 Overview

Cisco Telemetry Commands lists the various APIs and commands used by CX Cloud to collect device telemetry. This telemetry is used to determine the latest device configuration and deliver actionable insights for customers.

2 Cisco DNA Center Inventory

The following commands are executed to obtain inventory details from the Cisco DNA Center appliances connected to the CX Cloud Agent.

2.1 APIs

Name	API
Chassis Details	/api/v1/network-device/{instanceUuid}/chassis
Config Details	/api/v1/network-device/{instanceUuid}/config
Cisco DNA Center Serial (nodes.json)	/api/system/v1/maglev/nodes/config
Cisco DNA Center Version (version.json)	/api/system/v1/maglev/packages
Fan Details (equipmentFan)	/api/v1/network-device/{instanceUuid}/equipment?type=Fan
Image Details	/api/v1/image/importation
Interface Details	/api/v1/interface/network-device/{instanceUuid}
Module Details (module.json)	/api/v1/network-device/module?deviceId={instanceUuid}
Network details (ne.json)	/api/v1/network-device/{instanceUuid}
Power Supply Details (equipmentPowerSupply)	/api/v1/network-device/{instanceUuid}/equipment?type=PowerSupply
SFP (equipmentSFP)	/api/v1/network-device/{instanceUuid}/equipment?type=SFP
Stack Details (stack.json)	/api/v1/network-device/{instanceUuid}/stack
Tag (tags.json)	/dna/intent/api/v1/tag
Tag Members (members.json)	/dna/intent/api/v1/tag/{id}/member?memberType=networkdevice

2.2 Commands

Name	Assets
show version	All devices except Wireless LAN Controller (WLC) with AireOS, Access Points and sensors
show run-config	WLC Controllers with AireOS
show sysinfo	WLC Controllers with AireOS
show ap config general	Catalyst 9800



show ap dot11 24ghz cleanair config	Catalyst 9800
show ap dot11 24ghz network	Catalyst 9800
show ap dot11 5ghz channel	Catalyst 9800
show ap dot11 5ghz optimized-roaming	Catalyst 9800
show ap fra	Catalyst 9800
show ap hyperlocation detail	Catalyst 9800
show ap profile all-profiles	Catalyst 9800
show ap rf-profile summary	Catalyst 9800
show license summary	Catalyst 9800
show mdns-sd summary	Catalyst 9800
show nmosp cloud-services summary	Catalyst 9800
show remote-lan summary	Catalyst 9800
show wireless detail	Catalyst 9800
show wireless multicast	Catalyst 9800
show wireless profile flex all	Catalyst 9800
show wireless profile policy all	Catalyst 9800
show wireless wgb summary	Catalyst 9800
show wireless wps rogue rule summary	Catalyst 9800
show wlan all	Catalyst 9800
show env all	Catalyst 9200
show interfaces transceiver	Catalyst 9200
show interfaces transceiver supported-list	Catalyst 9200
show interfaces transceiver detail	Catalyst 9200
show module	Catalyst 9200
show platform software ilpower details	Catalyst 9200
show install summary	Catalyst 9200
show logging onboard switch active uptime detail	Catalyst 9200
show logging onboard switch standby uptime detail	Catalyst 9200
show env all	Catalyst 9300
show interfaces transceiver	Catalyst 9300
show interfaces transceiver supported-list	Catalyst 9300



show interfaces transceiver detail	Catalyst 9300
show power inline	Catalyst 9300
show module	Catalyst 9300
show platform software ilpower details	Catalyst 9300
show install summary	Catalyst 9300
show logging onboard switch active uptime detail	Catalyst 9300
show logging onboard switch standby uptime detail	Catalyst 9300
show env all	Catalyst 9400
show interfaces transceiver	Catalyst 9400
show interfaces transceiver supported-list	Catalyst 9400
show interfaces transceiver detail	Catalyst 9400
show power inline detail	Catalyst 9400
show module	Catalyst 9400
show platform software ilpower details	Catalyst 9400
show install summary	Catalyst 9400
show logging onboard switch active uptime detail	Catalyst 9400
show logging onboard switch standby uptime detail	Catalyst 9400
show hardware led	Catalyst 9400
show power inline upoe-plus	Catalyst 9400
show env all	Catalyst 9500
show interfaces transceiver	Catalyst 9500
show interfaces transceiver supported-list	Catalyst 9500
show interfaces transceiver detail	Catalyst 9500
show power inline detail	Catalyst 9500
show module	Catalyst 9500
show platform software ilpower details	Catalyst 9500
show install summary	Catalyst 9500
show logging onboard switch active uptime detail	Catalyst 9500
show logging onboard switch standby uptime detail	Catalyst 9500
show env all	Catalyst 9600
show interfaces transceiver	Catalyst 9600



show interfaces transceiver supported-list	Catalyst 9600
show power inline detail	Catalyst 9600
show module	Catalyst 9600
show install summary	Catalyst 9600
show hardware led	Catalyst 9600

3 Diagnostic Bridge

This section lists the commands collected as a part of Command Runner API. There is no specific list of commands executed during scan. "Terminal length 0" and many of the "show" commands dynamically execute. The following are sample commands for both Cisco DNA Center managed and directly connected devices to the CX Cloud Agent.

Operating System	Command
WLC	show inventory
	show version
	show sysinfo
	show udi
	show run-config
	show tech-support
IOS	show inventory
	show version
	show terminal
	show tech
	show fex
	show interfaces status
	show platform software multicast snooping ltl-share statistics
	show fex detail
	show ip nbar protocol-discovery
	show ip nbar resources flow
	show crypto eli all
	show buffers summary
	show platform software process list R1
	show platform software process list R0
show platform hardware qfp active statistics drop	



show platform hardware qfp active feature ipsec datapath drops
show cts role-based counters
show running-config all
show interfaces counters error
show environment all
show ip route
show startup-config
show ip interface brief
show crypto isakmp sa detail
show ip vrf
show nat64 status
show platform
show switch detail
show ip ssh
show pnp profile
show ip nhrp summary
show platform software lif I3 debug buf display
show platform software fabric table
show switch virtual redundancy
show platform software process list F0
show platform resource
show platform software process list 0
show stackwise-virtual
show process cpu sorted detailed
show running-config / show crypto engine configuration
show dmvpn detail
show crypto engine configuration
show interfaces summary
show platform hardware qfp active infrastructure bqs queue output default all
show ip nhrp
show performance monitor cache detail
show redundancy application group



	show ip nat translations verbose
	show eigrp service-family ipv4 neighbors
	show module switch all
	show switch virtual link
	show ipv6 mld snooping membership
	show ipv6 mld snooping querier
	show power inline
	show cef interfaces
	show clock
	show environment
	show ip eigrp topology
	show ip protocols
	show ipv6 route
	show license detail
	show license feature
	show logging
	show platform software
	show pnp tech-support
	show redundancy
	show running-config
	show scp status
IOS-XE	show inventory
	show version
	show terminal
	show tech
	show fex
	show platform software multicast snooping ltl-share statistics
	show ip nbar resources flow
	show ip nbar protocol-discovery
	show crypto eli all
	show license feature
	show buffers summary



show debug
show platform hardware qfp active feature ipsec datapath drops
show platform hardware qfp active statistics drop
show cts role-based counters
show running-config all
show interfaces counters error
show ip nat translations
show ip route
show startup-config
show ip interface brief
show crypto isakmp sa detail
show ip mroute
show ip vrf
show nat64 status
show license detail
show switch detail
show pnp profile
show ip ssh
show ip nhrp summary
show platform software process list 0
show platform resource
show platform software process list F0
show stackwise-virtual
show process cpu sorted detailed
show running-config / show crypto engine configuration
show dmvpn detail
show flowcontrol
show crypto engine configuration
show platform hardware fed switch active fwd-asic resource tcam utilization
show process cpu
show bootflash: all
show buffers



show buffers usage
show cdp neighbor
show cdp neighbor detail
show cef interfaces
show clock
show controllers
show crashinfo: all
show diagnostic events
show diagnostic result module all
show diagnostic result module all detail
show disk0: all
show dmvpn ipv4 detail
show dspfarm all
show eigrp service-family ipv4 neighbors
show environment
show environment all
show etherchannel summary
show file systems
show flash: all
show harddisk: all
show interfaces
show interfaces description
show interfaces status
show interfaces status err-disabled
show interfaces summary
show interfaces switchport brief
show interfaces trunk
show ip cef
show ip dhcp snooping binding
show ip eigrp topology
show ip nat translations verbose
show ip nhrp



show ip protocols
show ipv6 route
show logging
show module
show mpls forwarding-table
show pds tag all
show performance monitor cache detail
show platform
show platform software process list R0
show platform software process list R1
show pnp tech-support
show post
show power
show process cpu history
show process cpu sorted
show process memory
show processes cpu detailed
show redundancy
show redundancy application group
show redundancy history
show redundancy states
show redundancy switchover history
show running-config
show sccp all
show spanning-tree
show spanning-tree active
show spanning-tree detail
show stacks
show stby-bootflash: all
show stby-crashinfo: all
show stby-disk0: all
show switch



	show switch stack-ports summary
	show tech wireless
	show user
	show users
	show version running
	show vlan
	show webui: all
	term len 0
	show platform hardware
	show platform software
	show platform qos queue stats

4 Intersight

For Intersight connected devices, tech support bundles are generated (except for *show tech support details for NXOS* which is a command) and may be generated multiple times throughout the lifecycle of the support case as needed by Technical Assistance Center. Refer to the [Intersight](#) and [Privacy Data Sheet](#) pages for more information.

Intersight devices have the following OS types:

- UCS Manager
- Cisco IMC (CIMC)
- UCS Director
- Hyperflex
- Application Centric Infrastructure
- Nexus OS (NXOS)
- Intersight Appliance/Assist (CVA)
- Intersight Managed Servers (IMM)
- Intersight Managed Fabric Interconnects (IMM)

5 Compliance Insights

The following commands are collected as a part of on-demand collection after default Inventory upload as per user configuration.

Commands	Comments
show running-config	IOS-XE
show run-config commands	AireOS
show ap config general	Catalyst 9800 IOS-XE



show wireless wps rogue rule summary	Catalyst 9800 IOS-XE
show wlan all	Catalyst 9800 IOS-XE
show wireless profile policy all	Catalyst 9800 IOS-XE

6 Faults

The following commands are collected as part of fault detection and monitoring.

Comprehensive List of Commands
show logging
show environment all
show version
show power
show inventory
show module
show switch detail
show clock
show environment power all
show power inline
show power detail
show memory statistics
show logging last 500
show log
show platform
show memory stat
show process memory sort
show virtual-service list
show virtual-service detail
show license all
show facility-alarm status
show monitor event-log spa all
show processes memory sorted
show buffers
show processes memory platform sorted



show platform resources
show memory platform
show memory alloc totals
show memory statistics history
show memory dead totals
show memory lite-chunks totals
show log last 500
show platform software status control-processor brief
show process memory sorted
show process mem platform sorted
show platform
show platform hardware qfp active feature ipsec datapath drops
show crypto ipsec sa incrementing
show plat hard fed act fwd-asic resource utilization
show plat hard fed act fwd-asic resource tcam utilization
show proc cpu history
show diagnostic result module
show firmware version all
show env all
show redundancy
show boot system
show issu state detail
show process memory platform sorted
show tcp brief all
show users
show ip http server all
show ip http server connection
show ip http server history
show proc cpu
show ip http server statistics
show running-config
show voice dsp detail



show voice dsp group all
show voip rtp connection
show environment
show running in boot
show bootflash:
show logg last 500
show platform hardware qfp active infrastructure exmem resource
show platform hardware qfp active infrastructure exmem statistics
show platform hardware qfp active infra exmem statistics user
show version
show power module
show bootflash: all
show platform hardware qfp active infrastructure bq s status
show environment temp
show log
show ip interface
show ip route
show ntp status
show run
show crypto isa sa detail
show crypt eli
show crypto ca certificates
show crypto pki certificate verbose#
show ip int brief
show ver
show license status
show call-home profile all
show platform software trace message license-manager R0
show license summary
show ip interface brief
show platform#
show run s call-home



show run i license
show run i http
show run s crypto
show crypto pki trustpool
show inventory#sh platform
show ip dhcp snooping
show ip dhcp snooping binding
show process cpu sort
show process cpu history
show mac address-table count
show stack-power detail
show spanning-tree summary totals
show vlan
show spanning-tree
show crashinfo: all
show etherchannel summ
show ip router
show run section radius
show aaa servers
show sysinfo
show msglog
show logging last 500#sh voip rtp connections#sh ip cache flow
show ip sla statistics
show ip bgp summary
show mem stat
show proc mem sorted
show mem all total
show buffer usage
show processes memory
show logging last 200
show logging nvram
show environment temperature



show module internal exceptionlog
show client summary
show traplog
show traplog. Also sniffer trace from wireless NIC and an over-the-air sniffer trace.
show run-config no-ap
show ap tcp-mss-adjust all
show port detailed-info
show mdns profile summary
show mdns ap sum
show mdns service summary
show memory summary
show memory mbuf summary
show coredump summary
show ap summary
show time
show country
show redundancy summary
show redundancy statistics
show redundancy interfaces
show redundancy peer-route summary
show redundancy gw-reachability statistics
show redundancy detail
show redundancy transport statistic
show ap join summary
show run-config
show dx summary
show dx sync-msg detail
show rogue ap summary
show rogue containment
show rogue rule summary
show avc engine version
show avc protocol-pack version



show port summary
show lag summary
show interface summary
show interface detailed ap-manager
show interface detailed management
show mobility summary
show ap image all
show ap uptime
show ap join stats summary all
show lag summary
show logging last-reset

7 Other Assets Collected by CX Cloud Agent

The following is a consolidated list of commands that are possibly collected for Other assets collected by CX Cloud Agent that are directly connected to the CX Cloud Agent for Campus.

Note: All the commands are not collected for all the devices.

Comprehensive List of Commands
show cdp neighbors detail
show hardware
show running-config
show startup-config
show version
show context
show inventory
show interface
show asp table socket
show mode
show call-home
show context
show failover
show chassis detail
show chassis
show sessions
show cdp neighbors



show module
show test
show asp table socket
show vlan
show vtp domain
show chassis inventory expand detail
show configuration
show fabric-interconnect inventory expand detail
show server inventory expand detail
show version brief
show gslb-config
show arp
show buffers
show control-plane host open-ports
show diag
show dlsw peer
show environment all
show environment
show interface stats
show interface switching
show interfaces accounting
show ip eigrp neighbors
show ip ospf database
show ip ospf neighbor
show ip route summary
show ip sockets
show ip ssh
show isis database
show isis neighbors
show license feature
show lldp neighbors detail
show lldp neighbors
show memory statistics
show module
show policy-map interface
show processes cpu history
show processes cpu
show processes



show redundancy
show rom-monitor
show running-config
show snmp
show spanning-tree
show standby
show tcp brief all numeric
show udp
show vlan
show vstack config
show vtp status
show buffers
show cdp neighbors detail
show chassis eeprom
show chassis
show control-plane host open-ports
show diag
show dlsw peer
show environment all
show environment
show interface stats
show interface switching
show interfaces accounting
show ip eigrp neighbors
show ip interface
show ip ospf database
show ip ospf neighbor
show ip route summary
show ip sockets
show ip ssh
show isis database
show isis neighbors
show memory statistics
show policy-map interface
show processes cpu history
show processes cpu
show processes
show pxf cpu stat ip



show redundancy
show tcp brief all numeric
show udp
show diag
show dlsr peer
show c7200
show rom-monitor
show cluster
show env power
show license feature
show lldp neighbors detail
show lldp neighbors
show mac address-table count
show mac address-table dynamic
show fex detail
show idprom all detail include IDPROM for CISCO-STACK-MIB card index Deviation SNMP OID CLEI VID Product Number
show idprom all
show idprom switch all
show crypto session brief
show zone security
show memory statistics
show platform hardware fed active fwd-asic resource tcam utilization
show platform hardware fed active qos resource usage
show platform hardware fed switch active fwd-asic resource tcam utilization
show platform hardware fed switch active qos resource usage
show platform integrity sign nonce 60759
show platform sudi certificate sign nonce 60759
show policy-map interface
show system integrity all compliance nonce 60759
show system integrity all measurement nonce 60759
show system integrity all trust_chain nonce 60759
show tcp brief all numeric
admin show configuration failed startup
admin show diag detail
admin show filesystem location all
admin show fpd package
admin show install active detail



admin show install active summary
admin show install committed detail
admin show install committed summary
admin show inventory all
admin show platform
admin show running-config
admin show install active
admin show install committed
show sprom all
show sprom fex all
netstat -an
xconfiguration
xstatus
show card
show card-inventory
show control connections
show control local-properties



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