



Cisco Telemetry 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 Catalyst Center Inventory

The following commands are executed to obtain inventory details from the Cisco Catalyst 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 Catalyst Center Serial (nodes.json)	/api/system/v1/maglev/nodes/config
Cisco Catalyst 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 nmsp 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



Name	Assets
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



Name	Assets
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 the Command Runner API. There is no specific list of commands executed during the scan. "Terminal length 0" and many of the "show" commands dynamically execute. The following are sample commands for assets either managed by Cisco Catalyst Center or directly connected 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 the Technical Assistance Center. Refer to the [Intersight](#) and [Privacy Data Sheet](#) pages for more information.

Intersight devices have the following OS types:

- Cisco Unified Computing System (UCS)
- Cisco Integrated Management Controller
- UCS Director
- Hyperflex
- Application Centric Infrastructure
- Nexus OS
- Intersight Connected Virtual Appliance/Assist
- Intersight Managed Servers
- Intersight Managed Fabric Interconnects

5 Compliance Insights

The following commands are collected as a part of the 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



Comprehensive List of Commands

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



Comprehensive List of Commands

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 bqs status
show environment temp
show log
show ip interface
show ip route
show ntp status
show run



Comprehensive List of Commands

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



Comprehensive List of Commands

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



Comprehensive List of Commands

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



Comprehensive List of Commands

show logging last-reset

7 Other Assets Collected by CX Cloud Agent

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

Note: Not all commands are collected for all 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



Comprehensive List of Commands

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



Comprehensive List of Commands

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 dlsw peer
show c7200
show rom-monitor



Comprehensive List of Commands

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



Comprehensive List of Commands

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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