

Category	Sub-Category	Devices	API	Authentication	Data Format	sdk/python lib	Content-Type
Networking	Basic	Netconf --> SSH-830	IETF-2006	Basic authorization	XML only	ncclient(manager.connect), xmldict	application/xml
		RestConf --> HTTP and HTTPS-443		Basic authorization	XML or JSON	requests	application/yang-data+json,xml
		gRPC -->gnmi --> HTTP/2			Protobuf or JSON		
		NX-OS	NX-OS CLI	Basic authorization	json-rpc,xml,json		application/json-rpc
			NX-API CLI --HTTP,HTTPS		json-rpc,xml,json	Only POST requests,Not restful	
			NX-API REST	Basic authorization or cookie i.e x-auth-token	nx-api-rest	Management information tree	application/json
			NX-YANG	Basic authorization	nx-yang		application/yang-data+json,xml
		IOS XE -- RESTCONF - Port :9443		Basic authorization		Accept-application/yang-data+json, application/yang-data.errors+json	application/yang-data+json
		IOS XR		Basic authorization			application/yang-data+json
	DC Networking	ACI	REST API	Basic authorization and APIC-cookie in x-auth-token	JSON	acicobra, acimodel,requests,acitoolkit	application/json
	EN Networking	DNAC	REST API	x-auth-token	JSON	dnacentersdk,time	application/json
		Cisco SD-WAN REST APIs	REST API	JsessionID/cookie	JSON	cisco-sdwan-python	application/x-www-form-urlencoded-Only for 1st auth req , application/json
Data Center Compute		UCS Manager	RPC Based XML	REST Key	ucsmsdk, XML only	requests, xmldict	application/x-www-form-urlencoded
		UCS Director	REST API	JsessionID/cookie	JSON or XML	requests, xmldict	application/x-www-form-urlencoded
		Intersight	REST API	APIKEY & Secrets	JSON Only	os, requests, IntersightAuth	IntersightAuth with digest SHA key
Cloud Solution		Meraki	Dashboard API	{X-Cisco-Meraki-API-Key}	JSON	merakisdclient	application/json
			Location & Scanning API	Validator & Secret	JSON	os, sys, requests, json, time	application/json
			Captive Portal API	{X-Cisco-Meraki-API-Key}	JSON	os, sys, requests, json, time	application/json
			Webhook API	Validator & Secret	JSON	os, sys, requests, json, time	application/json
Collaboration Solution		Webex Devices	REST xAPI		XML		
	CUCM-Cisco Unified comm manager	UDS - User Data Service	REST API XML	Basic authorization	XML		application/xml
		AXL - Administrative XML Web Service	XML/SOAP API	Basic authorization	XML	pyAXL	application/xml
	Finesse		REST API	Bearer ACCESS_TOKEN	XML		
			JavaScript API	Bearer ACCESS_TOKEN			
		Webex teams	REST API	Bearer ACCESS_TOKEN	JSON	requests, flask, os, json, webexteamssdk	application/json
	Security	ASA - Adaptive security Appliance	REST API	Basic authorization	cli command	ansible, netmiko	
		FTD - Firepower Threat Defence	REST API	x-auth-access-token	JSON	json, request	application/json

Security Solution	Security Firewall Solutions	FDM - Firepower Device Management	REST API	Bearer ACCESS_TOKEN	JSON	json, request	application/json
		FMC - Firepower Management Console	REST API	Bearer ACCESS_TOKEN	JSON	json, request	application/json
	Security Endpoint Solutions	AMP -Advanced Malware Protection	REST API	Basic authorization	JSON	sys, os, request	application/json
		ThreatGrid	REST API	queryparam?APIKEY	JSON	sys, os, requests, time, json	application/json
		Umbrella-endpoint protection	REST API	queryparam?APIKEY	JSON	sys, os, requests, time, json	application/json
	Security Management Solutions	ISE - identity services engine	ERS API	Basic authorization	JSON	time, sys, requests	application/json
			pxGRID HTTP API	Basic authorization	JSON	base64, ssl, py-radius	application/json
			pxGRID websocket	Basic authorization	JSON	websocket-client,	application/json
		Stealthwatch	REST API	cookie	JSON	requests, scapy->netflow	application/x-www-form-urlencoded
		SMA - Security Management Appliance	REST API	Basic authorization or cookie	JSON	requests	application/json
		ESA - Email Security Appliance	REST API	Basic authorization or cookie	JSON	requests	application/json
		WSA - Web Security Appliacnce	REST API	Basic authorization or cookie	JSON	requests	application/json