

Cisco DNA Software Subscription Matrix for Switching



	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
License type	Perpetual license compatible with Cisco DNA Essentials. Cannot be purchased as a standalone license	Perpetual license compatible with Cisco DNA Advantage. Cannot be purchased as a standalone license	3/5/7 year term subscription	Includes Cisco DNA Essentials, 3/5/7 year term subscription
Management options	Manual, WebUI	Manual, WebUI	Automation through Cisco DNA Center including Manual, WebUI	Automation through Cisco DNA Center including Manual, WebUI

Management options	Manual, WebUl	Manual, WebUl	_			Automation through Cisco DNA Center including Manual, WebUI	
		Features					
			Network Essentials	Network Advantage	Cisco DNA Essentials	CIsco DNA Advantage	
-		PVLAN, VRRP, PBR, Cisco Discovery Protocol, QoS, FHS, 802.1X, wise (9300/9200)	✓	~			
L3 Routed access	GRP Stub, OSPF (1000 routes)		✓	✓			
Programmability, NETCO	ONF/RESTCONF/gRPC/YANG	ration and control of your network devices with rogrammable interfaces.	✓	~			
Zero Touch Provisioning		Zero Touch Provisioning functionality built into the switch.	✓	✓			
128-bit MACsec encrypti	ion	pting packets between MACsec-capable devices.	✓	✓			
	figuration of SPAN, RSPAN for	providing near real-time access to operational statistics. No automation	~	~			
through Cisco DNA Center Streaming telemetry and Model-driven telemetry let	d visibility	streaming data from network devices, continuously providing	✓	✓			
near-real-time access to c Cisco trustworthy solution Help ensure hardware and	ons	ly chain trust and strong mitigation against man-in-the-middle attacks		✓			
that compromise software Software Image Manage	and firmware.		•	Ť			
	e upgrades and control the cor	sistency of image versions through CLI or WebUI. Automation through	✓	~			
Full L3 routing functional BGP*, OSPF, IS-IS*.	lity			~			
Flexible network segment VRF*, VXLAN, LISP,* SGT,	ntation MPLS*, BGP-EVPN with VXLA	N*.		✓			
High availability Support operational continuing ISSU*/eFSU*.	nuity and maintain availability du	uring routine maintenance, and perform disaster recovery. NSF*, GIR*, HSR	P, Stackwise Virtual*,	~			
Patch/SMU lifecycle man		on through Cisco DNA Center not supported.		✓			
Optimize bandwidth utiliz Multicast is used between	zation (Advanced Multicast)	h multicast packets to forward to each other and to their directly connected	d LANs. RP Discovery*,	~			
PIM BI-DIR*. 256-bit MACsec encrypti	tion						
Configure 256-bit MACSE Audio Video Bridging	EC* for authenticating and encr	ypting packets between MACsec-capable devices.		<u> </u>			
Cisco AVB simplifies digitize Full Flexible NetFlow	zation of audio and video and o	offers superior quality of experience with standards like IEEE1588v2 PTPv2	, AES67 timing profile.				
This next generation in flow required for Manual/CLI, W	VebUI or automated Cisco DNA	twork infrastructure, reducing operating costs and improving capacity plant A Center configuration).	ning and security incident d	letection. (License is	~	~	
	kible subsystem that provides re	eal-time network event detection and onboard automation. It gives you to align with your business needs.			~	✓	
Software Image Manage Automate software upgrad		y of image versions through Cisco DNA Center.			~	~	
Overall health dashboard Gives a high-level overview		k device/client on the network, wired and wireless, Cisco and Meraki, man	aged by Cisco DNA Center	r.	~	~	
		ation and Client for 24 hours only rk devices/clients on the network, managed by Cisco DNA Center.			~	✓	
	PnP) provisioning application or new device installation of Cis	sco devices to be provisioned simply by connecting to the network, manage	ed by Cisco DNA Center.		~	~	
		onjour services discovery and advertisement at for local cache discovery a through Cisco DNA Center.	nd distribution functions be	etween VLANs. License is	~	✓	
Out of box reports Cisco DNA Center pre-bui	ilt reports that can be consume	ed directly or exported to third party tools such as Tableau.				~	
		latform that extends platform capabilities via integrations and partner applic hes.	cations. Includes Cisco DNA	A Spaces See.		~	
	twork and Application Synthe and application experience with	ctics** Cisco ThousandEyes, now integrated into Cisco Catalyst 9300 and 9400 s	series switches.			~	
Cisco SD-Access Fabric, Enables policy-based auto		ion, complete visibility, and delivery of new services quickly on SD-Access	devices, managed by Cisc	co DNA Center only.		~	
Cisco Al Network Analyti Al and machine learning te		on Cisco DNA Center and in the Al Network Analytics cloud to enhance the	insight and remediation ca	pabilities of Cisco DNA Assu	rance.	~	
Cisco SD-Access Al Endi Identify and check complia		ML techniques to classify them into groups.				~	
Cisco SD-Access Group-Based Policy Analytics Makes segmentation policy simpler by discovering traffic flows between scalable groups to determine the right policies.							
Cisco SD-Access Al Trus Verifies that connected en	_	s information to define security policies that isolate rogue or compromised	endpoints to reduce threat	proliferation.		~	
LAN automation Automate configurations a	and deployment of networks wi	th Cisco DNA Center.				~	
Cisco User-Defined Network Allows IT to give end-users control of their very own wireless network partition. End-users can then remotely and securely deploy their devices on this network.							
Patch/SMU lifecycle man Automated management of	nagement of SMU/Patches patching by Ci	sco DNA Center.				~	
Compliance Compliance reports manage	ged by Cisco DNA Center.					✓	
IPSec Supports upto 100G HW e	encryption on Catalyst 9300X. I	t enabled high-bandwidth secure L3 transport between sites or from site t	o cloud.			~	
Display devices and client		context, providing for very granular troubleshooting in seconds.				~	
Application policy creation Assign policies to application		nce and business-critical QoS priority for life-saving devices, for example t	hrough Cisco DNA Center.			~	
		container environment on the switch. License is required for both manual/C	ELI configuration or automat	tion through Cisco DNA Cent	ter.	✓	
Third-party API integration A flexible framework is pro-	on ovided to integrate third-party a	application software.				✓	
	ics (ETA)*: (No Stealthwatch L crypted traffic. License is requir	cicense Included) red for both manual/CLI configuration or automation through Cisco NA Cen	ter.			~	
Cisco Wide Area Bonjour This software-defined, cor Cisco DNA Center.		Bonjour services discovery and advertisement at scale across multiple do	mains. License is required	for both manual/CLI configur	ation or automation through	~	
ERSPAN* Monitor and re-direct traffi	ic. License is required for both	manual/CLI configuration or automation through Cisco DNA Center.				✓	
	s. License is required for both I	manual/CLI configuration or automation through Cisco DNA Center.				✓	
AVC (NBAR2)* Gain application visibility and control through Next-Generation Network-Based Application Recognition. License is required for both manual/CLI configuration or automation through Cisco DNA Center.							
Cisco Prime Infrastructure License Provides a single integrated solution for comprehensive lifecycle management of the wired or wireless access, campus, and branch networks, and rich visibility into end-user connectivity and application performance assurance issues. Only available on the Catalyst 9000 switches, not on legacy switches.							
Support	euco. Omy avaliable on the Cat	a., se o co ovinario, not on legacy switches.					
	port; local business hours, 8x5 dware product; OS software up	; Hardware replacement (next business day where available); Warranty dates and upgrades.	~	✓			
SWSS		ack includes 24-hour TAC support and software updates and upgrades			~	~	

Smart Net Total Care, 24-hour hardware and network software stack support provided by TAC.

Optional

Optional

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The Cisco DNA Expansion Pack is a flexible way to purchase Cisco ISE, Cisco DNA Spaces, Secure Network Analytics (Stealthwatch), ThousandEyes and other licenses, appliances, and services in one convenient bundle. Enhance your Cisco networking solutions such as SD-Access, Zero Trust solutions, Encrypted Traffic Analytics (ETA), location analytics, and assurance. You can add the pack to your Cisco DNA software licenses and choose the license count that fits your needs.

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For more details, contact a Cisco sales or Cisco registered partner.

in Cisco DNA Center.

^{* -} Not supported on all platforms

^{**}Each Catalyst 9300 or 9400 Cisco DNA Advantage subscription entitles the customer to run the equivalent of one ThousandEyes network or web test every 5 mins from a ThousandEyes enterprise agent (22 units per month), up to a maximum of 110,000 units per month of ThousandEyes test capacity per customer. ThousandEyes Cloud Agent access is not included in the Cisco DNA license entitlement. Test capacity can be increased and Cloud Agents accessed with purchase of

additional ThousandEyes Network and Application Synthetics.

***Supported on Network Advantage from Cisco IOS XE Fuji 16.9.7 onwards. Prior to Cisco IOS Fuji XE 16.9.7, Cisco DNA Advantage is also required.