

Cisco DNA Software Subscription Matrix for Switching



icense type	Network Essentials Perpetual license compatible with Cisco DNA Essentials. Cannot be purchased as a standalone license	ual license compatible with Perpetual license compatible with NA Essentials. Cannot be purchased Cisco DNA Advantage. Cannot be purchased		Cisco DNA Essentials 3/5/7 year term subscription		Cisco DNA Advantage Includes Cisco DNA Essentials, 3/5/7 year term subscription	
lanagement options	Manual, WebUI	Manual, WebUI	Automation through Cisco DNA Center including Manual, WebUI		Automation through Cisco DNA Center including Manual, WebUI		
	Features						
			Network Essentials	Network Advantage	Cisco DNA Essentials	Clsco DNA Advantage	
Essential switch capabilities Layer 2, routed access, OSPF, PBR, PIM Stub Multicast, PVLAN, VRRP, PBR, Cisco Discovery Protocol, QoS, FHS, 802.1X, MACsec-128, CoPP, SXP, IP SLA responder, SSO, StackWise (Catalyst 9300/9200).			✓ ⊛	✓ ⊛			
3 Routed access 3 Routed access (RIP, EIGRP Stub, OSPF (1000 routes)).			✓ ⊙	✓ ⊙			
rogrammability, NETCONF/RESTCONF/gRPC/YANG flodel-driven programmability lets you automate configuration and control of your network devices with rogrammable interfaces.			✓ ⊛	✓ ⊛			
ero Touch Provisioning utomated provisioning of a new Cisco switch using the Zero Touch Provisioning functionality built into the switch.			✓ ⊛	✓ ⊛			
28-bit MACsec encryption Configure 128-bit MACsec for authenticating and encrypting packets between MACsec-capable devices.			✓ ⊙	✓ ⊙			
Advanced telemetry SPAN, RSPAN Manual/CLI or WebUI configuration of SPAN, RSPAN for providing near real-time access to operational statistics. No automation prough Cisco DNA Center.			✓ ⊙	✓ ⊗			
Streaming telemetry and visibility Model-driven telemetry lets you monitor your network by streaming data from network devices, continuously providing near-real-time access to operational statistics.			✓ ⊙	✓ ⊙			
Cisco Trustworthy Solutions Help ensure hardware and software authenticity for supply chain trust and strong mitigation against man-in-the-middle attacks hat compromise software and firmware.			✓ ⊙	✓ ⊗			
oftware Image Manage Ianually manage softwar isco DNA Center not su	re upgrades and control the consistency of image ver	sions through CLI or WebUI. Automation through	✓ ⊛	✓ ⊛			
ull L3 routing functiona GP*, OSPF, IS-IS*.	ality			✓ ⊙			
exible network segme RF*, VXLAN, LISP,* SGT,	entation T, MPLS*, BGP-EVPN with VXLAN*.			✓ ⊗			
	inuity and maintain availability during routine maintena	nce, and perform disaster recovery. NSF*, GIR*, HSRF	P, Stackwise Virtual*,	✓ ⊛			
Patch/SMU lifecycle management*** Manual/CLI operations or through WebUI only. Automation through Cisco DNA Center not supported.				✓ ⊛			
Optimize bandwidth utilization (Advanced Multicast) Multicast is used between routers so they can track which multicast packets to forward to each other and to their directly connected PIM BI-DIR*.			I LANs. RP Discovery*,	✓ ⊙			
56-bit MACsec encryp configure 256-bit MACse	otion ec* for authenticating and encrypting packets betwee	n MACsec-capable devices.		✓ ⊙			
Precision Time Protocol Timing and synchronization for time sensitive applications with PTPv2 as default profile (IEEE 1588v2/PTPv2, gPTP (IEEE 802.1AS), profiles with less than 100 nano seconds precision.			AES67 and G8275.1	✓ ⊛			
udio Video Bridging	tization of audio and video and offers superior quality	of experience with standards like IEEE1588v2 PTPv2,	AES67 timing profile.	✓ ⊗			
- Carlotte	ow technology optimizes the network infrastructure, re WebUI or automated Cisco DNA Center configuration		ing and security incident d	etection. (License is	✓ ⊛	~	
Eisco IOS Embedded Ev EM is a powerful and flead a align with your busines	exible subsystem that provides real-time network ever	t detection and onboard automation. It gives you the	ability to adapt the behavio	r of your network devices	✓ ⊛	~	
oftware Image Manage		rough Cisco DNA Center.			~	~	
Overall health dashboard Gives a high-level overview of the health of every network device/client on the network, wired and wireless, through Cisco DNA Center or cloud monitoring for Catalyst.				Catalyst.	✓ ⊙	~	
Overall health dashboard for Device, Network, Application and Client for 24 hours only Gives a high-level overview of the health of wired network devices/clients on the network, managed by Cisco DNA Center.					~	~	
Network Plug and Play (PnP) provisioning application Zero-touch provisioning for new device installation of Cisco devices to be provisioned simply by connecting to the network, managed by Cisco DNA Center.					~	~	
Cisco DNA Service for Bonjour LAN This software-defined, controller-less solution enables Bonjour services discovery and advertisement at for local cache discovery and required for both manual/CLI configuration or automation through Cisco DNA Center.			nd distribution functions be	tween VLANs. License is	✓ ⊙	✓	
Out of box reports Cisco DNA Center pre-built reports that can be consumed directly or exported to third party tools such as Tableau.					~	~	
cloud monitoring for Ca offers cloud monitoring o	etalyst Options with Cisco® Catalyst® 9000 switches to delive	r visibility and troubleshooting.			√ ⊛ Limited visibility	~	
	indoor location services cloud platform that extends p yst 9300 and 9400 Series Switches.	latform capabilities via integrations and partner applic	ations. Includes Cisco Spa	ces See.		✔ ※	
	etwork and Application Synthetics** and application experience with Cisco ThousandEyes	now integrated into Cisco Catalyst 9300 and 9400 S	eries switches.			✓ ⊗	
	Fabric Management and Configuration or controller orchestrating a Fabric like EVPN, MPLS etc.).				✓ ⊛	
abric, Segmentation, and ables policy-based aut	nd eWC tomation with secure segmentation, complete visibility	, and delivery of new services quickly on SD-Access	devices, managed by Cisc	o DNA Center only.		~	
isco Al Network Analyt and machine learning t	tics technologies are implemented on Cisco DNA Center a	and in the Al Network Analytics cloud to enhance the i	nsight and remediation cap	pabilities of Cisco DNA Assu	ırance.	~	
l Endpoint Analytics entify and check compli	iance of endpoints, and use AI/ML techniques to class	sify them into groups.				✓ ⊗	
roup-Based Policy Ana akes segmentation polic	alytics cy simpler by discovering traffic flows between scalab	ole groups to determine the right policies.				✓ ⊙	
Trust Analytics erifies that connected er	ndpoints are legitimate. Use this information to define	security policies that isolate rogue or compromised e	endpoints to reduce threat	oroliferation.		✓ ⊛	
AN automation utomate configurations a	and deployment of networks with Cisco DNA Center.					~	
atch/SMU lifecycle ma utomated management	of SMU/Patches patching by Cisco DNA Center.					~	

Compliance Compliance reports managed by Cisco DNA Center. **IPsec** * Supports 100G+ HW encryption for high-bandwidth secure L3 transport between sites or from cloud to site. **Device 360, Client 360, and Network Health Insights** Display devices and client connectivity from any angle or context, providing for very granular troubleshooting in seconds. **Application policy creation** * Assign policies to applications based on business relevance and business-critical QoS priority for life-saving devices, manual through CLI or automation through Cisco DNA Center. **Application hosting** * Allows third-party applications to be hosted in a secure container environment on the switch. License is required for both manual/CLI configuration or automation through Cisco DNA Center. **Third-party API integration √** ⊗ A flexible framework is provided to integrate third-party application software. **Encrypted Traffic Analytics (ETA)*: (No Stealthwatch License Included)** * Detect malware within encrypted traffic. License is required for both manual/CLI configuration or automation through Cisco DNA Center. **Cisco DNA Service for Bonjour WAN** * This software-defined, controller-based solution enables Bonjour services discovery and advertisement at scale across multiple domains. License is required for both manual/CLI configuration or automation through Cisco DNA Center. **√** ⊗ Monitor and re-direct traffic. License is required for both manual/CLI configuration or automation through Cisco DNA Center. **√** ⊛ Packet capture for analysis. License is required for both 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 E-LLW 90 days of Cisco TAC support; local business hours, 8x5; Hardware replacement (next business day where available); Warranty duration is lifespan of hardware product; OS software updates and upgrades.

The Cisco DNA Expansion Pack is a flexible way to purchase Cisco 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. For more details, contact a Cisco sales or Cisco registered partner.

Optional

Optional

⊕ Does not require Cisco DNA Center.

in Cisco DNA Center.

Software Support Service in the subscription software stack 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.

^{*} Not supported on all platforms.

^{**} Each Catalyst 9300 or 9400 Cisco DNA Advantage subscription entitles the customer to run up to a maximum of 110,000 units per month of ThousandEyes test capacity per Customer Organization, regardless of the number of purchased Cisco DNA Advantage licenses. 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. The Cisco DNA license entitlements will ONLY be provisioned in Customer Organizations on the legacy metered billing model are ineligible. "Customer Organization"

means Customer and its Affiliates (as defined in the Cisco End User License Agreement) collectively who are Cisco DNA Advantage license holders. *** 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.