

Cisco DNA Software Wireless Feature Matrix



	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
License type	Perpetual software, compatible with Cisco DNA Essentials subscription license. Can not be purchased as a standalone license.	Perpetual software compatible with Cisco DNA Advantage license. Can not be purchased as a standalone license.	3/5/7 year term subscription	Includes Cisco DNA Essentials, 3/5/7 year term subscription
Management options	CLI, WebUI	CLI, WebUI	CLI, WebUI, Cisco Catalyst Center	CLI, WebUI, Cisco Catalyst Center

Management options	Cisco DNA Essentials subscription license. Can not be purchased as a standalone license. CLI, WebUI	Cisco DNA Advantage license. Ca purchased as a standalone license CLI, WebUI	9.	, Cisco Catalyst Center	term subscription CLI, WebUI, Cisco Ca	talyst Center
		Features				
Essential wireless capabilitie	es		Network Essentials	Network Advantage	Cisco DNA Essentials	Clsco DNA Advantage
802.1x authentications, Guest	access, Device Onboarding, Infra and client IPv6, ACLs, QoS, VicirustSec® SXP, AP and client SSO, Dynamic QoS, Analytics, ADP, G		⋞ ⊛	*		
High availability AP and Client SSO, N+1 HA DevOps integration			√ ⊙	√ ⊛		
PnP Agent, NETCONF, Yang Da Optimized radio frequency		vodistira /Dvodstira DDM	✓ ⊙	**		
-lexible Radio Assignment (FR I oT optimized dentity PSK, Enhanced Device	AA), Client link, Cisco CleanAir®, Cisco CleanAir Pro®, NG-HDX, Po e profilers.	redictive/Proactive RRM.	✓ ⊗	*		
Telemetry and visibility Model-driven telemetry lets your real-time access to operational	ou monitor your network by streaming data from network devices,	continuously providing near-	✓ ⊗	*		
Cisco trustworthy solutions	tware authenticity for supply chain trust and strong mitigation aga	inst man-in-the-middle attacks	✓ ⊗	→		
Advanced high availability ar In-Service Software Upgrade (nd resiliency (patching) features (ISSU), AP Device Pack (APDP), AP Service Pack (APSP), Rolling	AP upgrades,		*		
Hot Patching, SMU. Network Plug and Play (PnP) Zero-touch provisioning for ne	provisioning ew device installation allows off-the-shelf Cisco devices to be pro	visioned simply by connecting to			~	✓
the network, managed by Cisc Network Site Design and Dev Design your wireless network t		less network appliances with the			✓	
proper setting to maximize per AP Power Optimization Confi	rformance, managed by Cisco Catalyst Center.				√ ⊛	✓ ⊗
C9800; also, leverage Power [Software Image Managemen	Distribution benefits by reallocating AP power to different radios went (SWIM)	vhile operating on PoE+.				
managed by Cisco Catalyst Ce Full Flexible NetFlow						
planning and security incident Cisco IOS Embedded Event N	Manager (EEM)				*	*
	subsystem that provides real-time network event detection and coces to align with your business needs.	onboard automation. It gives you the al	oility to adapt the		*	✓ ⊛
Automate configurations, work Catalyst Center. Overall health dashboard	cflows (RLAN, Config AP workflow, HA SSO, Mobility, AP refresh),	model configurations and deploymen	t of networks with Cisco		~	~
managed by Cisco Catalyst Ce	the health of every network device/client on the network, wired a enter.	and wireless, applications			~	~
Network health dashboard Provides operational status of communication issues, manage	every network device connected to Cisco Catalyst Center, with sued by Cisco Catalyst Center.	uggested remediation for any			~	~
Client health dashboard Displays operational status of e managed by Cisco Catalyst Ce	every client connected to Cisco Catalyst Center, with suggested renter.	remediation for any issues,			~	~
Application health dashboard Displays overall health of all ap suggested remediation, using	pplications on the network, with special section for business-relev	ant application issues and			~	~
Wi-Fi 6/6E Dashboard Prepares your network for the	new Wi-Fi 6 and 6E standards, verifying your hardware and confi				✓	
to Wi-Fi 6/6E deployments, us Wireless Sensor dashboard						
Shows overall tests, connectiv DHCP, DNS, host reachability, l	rity statistics, and top wireless issues discovered by Cisco Aironet RADIUS, email, Microsoft Exchange Server, web, FTP, and a compact loss. Provides guided remediation for any test failure using Cisc	olete IP SLA for data throughput			~	~
Base Security - Rogue A wireless security solution that wireless rogue threats.	at uses Cisco Unified Access infrastructure to detect, classify, loca	ate and contain wired and			✓ ⊗	✓ ⊗
Cisco Prime Infrastructure Li Provides a single integrated so	plution for comprehensive lifecycle management of the wired or w				✓ ⊙	✓ ⊙
Wireless Map	bility into end-user connectivity and application performance assunts the bility into end-user connectivity and application performance assured in the bility into end-user connectivity and application performance assured in the bility into end-user connectivity and application performance assured in the bility into end-user connectivity and application performance assured in the bility into end-user connectivity and application performance assured in the bility into end-user connectivity and application performance assured in the bility into end-user connectivity and application performance assured in the bility into end-user connectivity and application performance assured in the bility in th				~	~
	It reports that can be consumed directly or exported to third party	tools such as Tableau.			~	~
SD-Access and Network Hea Enables policy-based automat Cisco Catalyst Center.	cion with secure segmentation, complete visibility, and delivery of	new services quickly on SD-Access d	evices, managed by			~
Flexible network segmentation of the segmentat						∀ ⊛
Wireless 3D Analyzer High-definition 3D simulations mitigate future performance is:	for AP placement, heatmaps, and predictions of wireless LAN pe sues.	erformance for network admins to redu	ce design flaws and			~
Cisco Al Endpoint Analytics dentify and check compliance Al-Enhanced RRM	e of endpoints and use AI/ML techniques to classify them into grou	ups.				~
Leverage the power of Machin complete visibility into the ben	ne Learning to optimize your enterprise wireless configurations on efits through an aesthetic assurance dashboard, and much more.		cally, be provided with			~
	3 support and Cloud Watch support) o Amazon S3 Cloud and Amazon Cloud Watch.					~
Cisco User-Defined Network	n endpoint groups, so you can define the right segmentation police Plus ontrol of their very own wireless network partition. End-users can		eir devices on this			✓ ®
network. Intelligent Capture and Spec						~
Network Plug and Play	ding of new devices on the network by applying configuration sett		ve arrie.			~
Automated ISE integration for Cisco Identity Services Engine contractors, consultants, and contractors.	(ISE) guest services enable you to provide secure network acces	es to guests such as visitors,				~
	ed to integrate third-party application software using Cisco Cataly	rst Center.				~
	ologies are implemented on Cisco Catalyst Center and in the Al N diation capabilities of Cisco Catalyst Center Assurance.	Network Analytics cloud to				~
servers' (Identity Services Eng	rvices for wireless devices across Cisco and all third-party servers ine, or ISE) Al-based root cause analysis. Leverage a snapshot of	f the overall health of these critical ser				~
Cisco Spaces Smart Operation	ning service server, site-level impact, and scope of end-user impactors (optional upgrade) r location and loT services cloud platform that harnesses data from		ole and things to your			~
physical spaces. Cisco Spaces networks at scale. Cisco Spaces Smart Venues	s Smart Operations includes advanced location services and appli	ications for deployment and managem	ent of indoor IoT			•
A powerful, end-to-end indoo physical spaces	r location and IoT services cloud platform that harnesses data from s Smart Venues includes applications for guest onboarding and er		•			✓ ⊙
	r location and IoT services cloud platform that harnesses data from Act includes Cisco applications for smart workspaces, guest only					✔ ⊛
Cisco Spaces Extend A powerful, end-to-end indoo	r location and loT services cloud platform that harnesses data fro					✓ @
your physical spaces. Cisco Sp applications. Encrypted Traffic Analytics (l	paces Extend delivers location- based insights, integration with C (ETA)	isco infrastructure, and API's and App	Center for partner			•
Detect malware within encrypt Cisco Catalyst Center. Adaptive Wireless Intrusion I	ted traffic. This is an optional feature of Cisco Stealthwatch (which	n can be purchased a-la-carte), mana	ged by			✓ ⊛
A wireless security solution that customize the thresholds and o	at uses Cisco Unified Access infrastructure to detect threats base capture packets for each signature.	ed on aWIPS signatures. Cisco Catalys	t Center allows you to			~
EasyQoS configuration With an end-to-end effective (EasyQoS dynamic monitoring	QoS configuration, each part of the QoS policy is cohesive and co	ompatible achieving an end-to-end se	rvice level.			~
Assign policies to applications Policy-based automation	based on business relevance and business-critical QoS priority for					V
Patch lifecycle management	an be used to automate various services provided by Cisco for post. It for lifecycle patching, managed by Cisco Catalyst Center.	oney based network management.				~
ssues, Events and Guided re Disco Catalyst Center Assuran						~
nundane troubleshooting work	k.					
Catalyst Center. These impact	ful insights make it possible to deliver optimal performance and reintrinity, the reasons for disconnections, and the current state	esolve issues faster by getting the clien	nt's point of view of			✓ ⊗
Vide Area Bonjour This is a software-defined con	ntroller-based solution that enables devices to advertise and disco wired and wireless enterprise networks.	over Bonjour services across Layer-2 o	domains, making it			~
Compliance Compliance reports are manag	ged by Cisco Catalyst Center. Catalyst Center provides complianc	ce checks for Startup versus Running (Configuration, Software			~
RCM (Randomized and Chang his solution allows Cisco Cata	alyst Center to properly track clients in the network that have a RC		acs for a specific client.			~
An RCM icon will be placed ne	ext to any clients with such behavior, allowing you to gain full cont ntelligent capture, Client Location Heatmaps, Spectrum Analyzer u	rol of the users in your network.				~
Application performance and Fracks performance of predefi	d experience ined "critical business applications." Shows user experience and p	performance metrics. Provides special				V
	n and client. Enables unparalleled visibility and performance contro					
Power visibility on Cisco Cataly Application hosting	yst Center gives a view of energy usage across APs, including imported onto Cisco Catalyst APs, leveraging an RF USB donale inserted		with nearby laT			
devices. This solution allows C shelf labels, asset managemen	yed onto Cisco Catalyst APs, leveraging an RF USB dongle inserted issociate series wireless solution to go beyond Wi-Fi and solve that with environmental sensors and real-time location software, and	use cases with IoT, such as retail man				~
	ce metrics (KPIs) about sites, buildings, and floors throughout the problem areas. KPI thresholds are customizable and can be used t		opportunities to improve			~
App 360, AP 360, WLC 360, a Display devices and client condestance of the condestance of	nectivity from any angle or context, providing for very granular tro	publeshooting in seconds.				~
Cisco Catalyst Center can grat Network Reasoner page.	b AP and Client debug logs needed for troubleshooting via the Wi	ireless Client and AP Data Collection N	MRE Workflows on the			~
audio, video, and shared comp	sperience by proactively identifying and troubleshooting Webex cliponents.	ients using Webex 360 to compare qu	ality metrics across			~
MS Teams 360 Enhance MS Teams end-users	s experience by proactively identifying and troubleshooting MS Te	eams clients using MS Teams 360 to c	ompare quality metrics			~

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

① Does not require Cisco Catalyst Center. However, Cisco Catalyst Center is highly recommended for complete value realization of the feature.

Software Support Service in the subscription software stack and OS software on the AP (requires SNTC on the WLC),

and includes 24-hour TAC support and software updates and upgrades in Cisco DNA Center.

The <u>Cisco DNA Expansion Pack</u> 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.

Optional

Optional

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* Cisco Prime Infrastructure license EOS September 29th, 2023

across audio, video, and shared components.

Support

SWSS