

# Cisco DNA Software Subscription

## Prehľad Switching riešení



	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage	Cisco DNA Premier
<b>License type</b>	Trvalá licencia kompatibilná s Cisco DNA Essentials. Nie je možné kúpiť ako samostatnú licenciu.	Trvalá licencia kompatibilná s Cisco DNA Advantage alebo Premier. Nie je možné kúpiť ako samostatnú licenciu.	3/5/7 ročná platnosť	Zahŕňa Cisco DNA Essentials, 3/5/7 ročná platnosť	Zahŕňa Cisco DNA Advantage, 3/5/7 ročná platnosť
<b>Management options</b>	Manuálne, WebUI	Manuálne, WebUI	Automatická cez Cisco DNA Center vrátane manuálnej a WebUI	Automatická cez Cisco DNA Center vrátane manuálnej a WebUI	Automatická cez Cisco DNA Center vrátane manuálnej a WebUI

Špecifikácia					
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage	Cisco DNA Premier
<b>Essential switch capabilities</b> 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 (9300/9200). Limited functionality in Cisco DNA Center cloud.	✓	✓			
<b>L3 Routed access</b> L3 Routed access (RIP, EIGRP Stub, OSPF (1000 routes)). For Cisco DNA Center Cloud- supported via "CLI" and "CLI Template" functionality.	✓	✓			
<b>Programmability, NETCONF/RESTCONF/gRPC/YANG</b> Model-driven programmability lets you automate configuration and control of your network devices with programmable interfaces. For Cisco DNA Center Cloud- supported via "CLI" and "CLI Template" functionality.	✓	✓			
<b>Zero Touch Provisioning</b> Automated provisioning of a new Cisco switch using the Zero Touch Provisioning functionality built into the switch.	✓	✓			
<b>128-bit MACsec encryption</b> Configure 128-bit MACSEC for authenticating and encrypting packets between MACsec-capable devices.	✓	✓			
<b>Advanced telemetry SPAN, RSPAN</b> Manual/CLI or WebUI configuration of SPAN, RSPAN for providing near real-time access to operational statistics. No automation through Cisco DNA Center.	✓	✓			
<b>Streaming telemetry and visibility</b> Model-driven telemetry lets you monitor your network by streaming data from network devices, continuously providing near-real-time access to operational statistics.	✓	✓			
<b>Cisco trustworthy solutions</b> Help ensure hardware and software authenticity for supply chain trust and strong mitigation against man-in-the-middle attacks that compromise software and firmware.	✓	✓			
<b>Software Image Management (SWIM)</b> Manually manage software upgrades and control the consistency of image versions through CLI or WebUI. Automation through Cisco DNA Center not supported.	✓	✓			
<b>Full L3 routing functionality</b> BGP*, OSPF, IS-IS*. For Cisco DNA Center Cloud- supported via "CLI" and "CLI Template" functionality.		✓			
<b>Flexible network segmentation</b> VRF*, VXLAN, LISP* SGT, MPLS*, BGP-EVPN with VXLAN*. For Cisco DNA Center Cloud- supported via "CLI" and "CLI Template" functionality.		✓			
<b>High availability</b> Support operational continuity and maintain availability during routine maintenance, and perform disaster recovery. NSF*, GIR*, HSRP, Stackwise Virtual*, ISSU*/eFSU*.		✓			
<b>Patch/SMU lifecycle management***</b> Manual/CLI operations or through WebUI only. Automation through Cisco DNA Center not supported.		✓			
<b>Optimize bandwidth utilization (Advanced Multicast)</b> Multicast is used between routers so they can track which multicast packets to forward to each other and to their directly connected LANs. RP Discovery*, PIM BI-DIR*.		✓			
<b>256-bit MACsec encryption</b> Configure 256-bit MACSEC* for authenticating and encrypting packets between MACsec-capable devices.		✓			
<b>Full Flexible NetFlow</b> This next generation in flow technology optimizes the network infrastructure, reducing operating costs and improving capacity planning and security incident detection. (License is required for Manual/CLI, WebUI or automated Cisco DNA Center configuration).			✓	✓	✓
<b>Cisco IOS Embedded Event Manager (EEM)</b> EEM is a powerful and flexible subsystem that provides real-time network event detection and onboard automation. It gives you the ability to adapt the behavior of your network devices to align with your business needs.			✓	✓	✓
<b>Software Image Management (SWIM)</b> Automate software upgrades and control the consistency of image versions through Cisco DNA Center.			✓	✓	✓
<b>LAN automation</b> Automate configurations and deployment of networks with Cisco DNA Center.			✓	✓	✓
<b>Overall health dashboard</b> Gives a high-level overview of the health of every network device/client on the network, wired and wireless, Cisco and Meraki, managed by Cisco DNA Center.			✓	✓	✓
<b>Overall health dashboard for Device, Network, Application and Client for 24 hours only</b> Gives a high-level overview of the health of wired network devices/clients on the network, managed by Cisco DNA Center.			✓	✓	✓
<b>Network Plug and Play (PnP) provisioning application</b> Zero-touch provisioning for new device installation of Cisco devices to be provisioned simply by connecting to the network, managed by Cisco DNA Center. Limited functionality in Cisco DNA Center cloud.			✓	✓	✓
<b>Cisco Local Area Bonjour</b> This software-defined, controller-less solution enables Bonjour services discovery and advertisement at for local cache discovery and distribution functions between VLANs. License is required for both manual/CLI configuration or automation through Cisco DNA Center.			✓	✓	✓
<b>Out of box reports</b> Cisco DNA Center pre-built reports that can be consumed directly or exported to third party tools such as Tableau.				✓	✓
<b>SD-Access and Network Health insights (ISE licenses included only in Premier)</b> Enables policy-based automation with secure segmentation, complete visibility, and delivery of new services quickly on SD-Access devices, managed by Cisco DNA Center only.				✓	✓
<b>Cisco ThousandEyes Network and Application Synthetics**</b> Deliver superior network and application experience with Cisco ThousandEyes, now integrated into Cisco Catalyst 9300 and 9400 series switches.				✓	✓
<b>Cisco AI Network Analytics</b> AI and machine learning technologies are implemented on Cisco DNA Center and in the AI Network Analytics cloud to enhance the insight and remediation capabilities of Cisco DNA Assurance.				✓	✓
<b>Cisco AI Endpoint Analytics</b> Identify and check compliance of endpoints, and use AI/ML techniques to classify them into groups.				✓	✓
<b>Group-Based Policy Analytics</b> Get visual traffic flows between endpoint groups, so you can define the right segmentation policies.				✓	✓
<b>Cisco User-Defined Network</b> 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.				✓	✓
<b>Patch/SMU lifecycle management</b> Automated management of SMU/Patches patching by Cisco DNA Center.				✓	✓
<b>Compliance</b> Compliance reports managed by Cisco DNA Center.				✓	✓
<b>Device 360 and Client 360</b> Display devices and client connectivity from any angle or context, providing for very granular troubleshooting in seconds.				✓	✓
<b>Application policy creation</b> Assign policies to applications based on business relevance and business-critical QoS priority for life-saving devices, for example through Cisco DNA Center.				✓	✓
<b>Application hosting</b> 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.				✓	✓
<b>Third-party API integration</b> A flexible framework is provided to integrate third-party application software.				✓	✓
<b>Encrypted Traffic Analytics (ETA)* (No Stealthwatch License Included)</b> Detect malware within encrypted traffic. License is required for both manual/CLI configuration or automation through Cisco NA Center.				✓	✓
<b>Cisco Wide Area Bonjour</b> 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.				✓	✓
<b>ERSPAN*</b> Monitor and re-direct traffic. License is required for both manual/CLI configuration or automation through Cisco DNA Center.				✓	✓
<b>Wireshark*</b> Packet capture for analysis. License is required for both manual/CLI configuration or automation through Cisco DNA Center.				✓	✓
<b>AVC (NBAR2)*</b> 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.				✓	✓
<b>Cisco Prime Infrastructure License</b> 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.				✓	✓
<b>Cisco Secure Network Analytics (Stealthwatch)*</b> Detect malware within encrypted traffic. License is required for both manual/CLI configuration or automation through Cisco DNA Center. Includes Stealthwatch Flow Rate License, Virtual Stealthwatch Management Console, and Virtual Flow Collectors.					✓
<b>Identity Services Engine (ISE) License: SD-Access and Network Health Insights</b> Enables policy-based automation with secure segmentation, complete visibility, and delivery of new services quickly on SD-Access devices, managed by Cisco DNA Center only.					✓
<b>Support</b>					
<b>E-LLW</b> 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.	✓	✓			
<b>SWSS</b> Software Support Service in the subscription software stack includes 24-hour TAC support and software updates and upgrades in Cisco DNA Center.				✓	✓
<b>SNTC</b> Smart Net Total Care, 24-hour hardware and network software stack support provided by TAC.	Optional	Optional			

Pre množstvo licencií Stealthwatch a ISE, ktoré sú súčasťou predplatného Cisco DNA Premier, prosím pozrite <https://www.cisco.com/c/en/us/products/collateral/software/one-subscription-switching/nb-06-dna-sw-sub-access-sw-ctp-en.html?oid=dsten020087>

\* - Nie je podporované na všetkých platformách

\*\*Každé predplatné Catalyst 9300 alebo 9400 Cisco DNA Advantage alebo Premier oprávňuje zákazníka vykonávať každých 5 minút ekvivalent jedného sieťového alebo webového testu ThousandEyes od podnikového agenta ThousandEyes (22 jednotiek mesačne), až po maximálne 110 000 jednotiek mesačne testovacej kapacity ThousandEyes na zákazníka. Prístup ku cloudovému agentovi ThousandEyes nie je zahrnutý v oprávnení licencie Cisco DNA. Kúpou ďalšej sieťovej a aplikačnej licencie ThousandEyes je možné zvýšiť testovaciu kapacitu a prístupovať ku cloudovým agentom.

\*\*\*Podporované v Network Advantage od Cisco IOS XE Fuji 16.9.7 a vyššie. Pred Cisco IOS XE Fuji XE 16.9.7 je tiež potrebná Cisco DNA Advantage.