

Enterprise Networks Software Subscription Matrix for Switching

Enterprise Network Software Subscription	Network Essentials [†]	Network Advantage [‡]	Cisco DNA Essentials	Cisco DNA Advantage (Includes Cisco DNA Essentials)	Cisco DNA Premier (Includes Cisco DNA Advantage)
Audience	Entry level with full switching	Entry level with full routing & switching	Entry level to smaller/midsize	Small and midsize ready to upgrade from Cisco DNA Essentials.	Small and midsize ready to upgrade from Cisco DNA Essentials or Advantage
License/Subscriptions	Perpetual Licenses	Perpetual License	3, 5, 7 year subscriptions, license portability and software support included		

FEATURES					
Essential Switch Capabilities	✓	✓	✓	✓	✓
DevOps Integration	✓	✓	✓	✓	✓
Layer 2, Routed Access	✓	✓	✓	✓	✓
Programmability, Netconf/Restconf/gRPC/YANG	✓	✓	✓	✓	✓
MACsec encryption	✓	✓	✓	✓	✓
Advanced Telemetry and Flexibility (EEM), SPAN, RSPAN	✓	✓	✓	✓	✓
Telemetry and Visibility	✓	✓	✓	✓	✓
Full routing functionality		✓		✓	✓
Flexible Network Segmentation		✓		✓	✓
High availability & Resiliency (Patching)		✓		✓	✓
Optimize Bandwidth Utilization (Multicast)		✓		✓	✓
Licensing Portability			✓	✓	✓
Full Flexible Netflow			✓	✓	✓
IPv6 Tunnel Capabilities			✓	✓	✓
Easy QoS Monitoring			✓	✓	✓
Software Support			✓	✓	✓
3/5/7 year subscription			✓	✓	✓
LAN Automation			✓	✓	✓
Embedded Event Manager			✓	✓	✓
Base Assurance (Includes Health Dashboard)			✓	✓	✓
Basic Switch and Wired Client Health Monitoring			✓	✓	✓
Software Image Management			✓	✓	✓
PnP Application			✓	✓	✓
SD-Access and Switch Insights >				✓	✓
Patch Lifecycle Management				✓	✓
Flexible Network Segmentation				✓	✓
Full Layer 3, Network segmentation, Multicast optimization				✓	✓
Global Insights, Trends, Compliance and Custom Analytics Reports				✓	✓
Switch 360 and Wired Client 360				✓	✓
Enhanced Assurance (Health Dashboard)				✓	✓
Fabric Enabled Wireless				✓	✓
Encrypted Traffic Analytics+ ✦				✓	✓
Cisco DNA Services for Bonjour*±				✓	✓
ERSPAN and AVC+				✓	✓
Third Party App Hosting+				✓	✓
Extended Node+				✓	✓
Fabric in a Box+				✓	✓
AVB 1588*±				✓	✓
AVC (NBAR2)+				✓	✓
ETA/MUD+				✓	✓
Stealthwatch					✓
ISE Base					✓
ISE Plus					✓

[Click here](#) to find more detailed information on the features.

*Not available in Catalyst 9500 Series switches
 †Not available in Catalyst 9200 Series switches
 ‡Indicates Cisco DNA Center Appliance required

✦ Requires Stealthwatch
 > Requires ISE

‡ Network Essentials must go with Cisco DNA Essentials on Catalyst 9000 switches.
 Cisco DNA Essentials is not available for Catalyst 9600 Series
 ± Network Advantage must go with Cisco DNA Advantage and Cisco DNA Premier on Catalyst 9000 switches

Featured customer case studies

Children's Hospital LA delivers an intelligent network

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A beauty company's forward-looking network

[See how](#)

A smart network for a smart campus

[Read why](#)

See how Cisco DNA helps Children's Hospital Los Angeles securely connect and manage thousands of network devices and deliver excellence in patient care.

Amorepacific deploys SD-Access in its new headquarters to optimize the workplace and to get ready for future growth.

Wipro chooses Cisco's intuitive network solution, SD-Access, for smart operations and security.

"With the help of DNA Assurance, we are able to reduce the time to troubleshoot. We now have a lot of data which we can reuse and model to improve the student quality while they are on-site utilizing our infrastructure."

— Robin Mok, Senior Communications Engineer, University of Wollongong

[Read full story](#)

"DNA Center helps me find problems pro-actively, before users contact me. With a mostly wireless network, I'm able to find devices throughout the network and quickly solve any problems with the help of analytics."

— Manuel Ortiz III, Senior Wireless Engineer, Houston Methodist Hospital

[See how](#)



Can a network improve your bottom line?

Use our Cisco DNA ROI Calculator to see how much your organization could save with a software-defined network.

[Start saving](#)

See what more of our customers have to say

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The new Cisco Catalyst 9000 switches deliver outstanding performance, advanced security, and state-of-the-art high availability features. These switches enable us to keep patients' data always secure and respond to emergency situations immediately without worrying about network issues.

— Ed Vanderpool, Senior Enterprise Network Engineer, Adventist Health

“”

The new Cisco Catalyst 9300 provides us the performance we need and the security features that are critical for our healthcare records. The new network, powered by Cisco Digital Network Architecture (Cisco DNA), gives us granular insight into who the users are, the devices they use, and the applications they access.

— Michel Fontaine, Network Architect, Centre Hospitalier Chre'tien (CHC), Belgium

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The Catalyst 9000 has exceeded NASA's mission-critical requirements for security and segmentation...and at twice the performance.

— Eric Latta, Solutions Architect, NASA

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WWT is always looking to what's next, both in market trends and technology innovation. Being a longtime Cisco Certified Gold Partner, we have come to expect that Cisco will lean into what we see as a shared approach to helping customers make the transition toward digital transformation. The innovations Cisco has been pioneering recently—bringing higher 25 G densities to the enterprise while focusing on minimizing disruption—has been truly impressive. With backward compatibility and the ability to use existing fiber cabling at essentially the same price points as 10 G, Cisco Catalyst 9000 switches are making the transition to 25 G almost a no-brainer.

— Bill Thompson, Practice Manager, Mobility and Access Development, World Wide Technology (WWT)

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The more intuitive we can make troubleshooting for the team, the sooner we can take the network out of the equation.

— Nicholas Yurkovich, Chief Network Engineer, Scotiabank

“”

Cisco DNA Center is a great idea packed with a lots of potential. Cisco is moving in the right direction!

— Drew Norris, Senior Network Engineer, Stanford University

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SD-Access is transformational in how our IT can securely and remotely provision cruise ships around the world.

— Michael Giresi, Chief Information Officer, Royal Caribbean Cruises Ltd.

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Our network is the core foundation driving the next-generation learning experience. With automated granular segmentation and RBAC (role-based access control) across multiple departments, we greatly improve service delivery, network security, and the user experience.

— Trevor Long, Associate Director of Network for UIT, University of Utah

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At American University of Beirut, we encourage collaboration and offer access to exponential resources. With Catalyst 9000 switches, our network is poised to deliver automated, secure, and personalized learning experiences to students, faculty, and visitors.

— Mohammad Abbas, Director of IT Infrastructure, American University of Beirut