## Enterprise Networks Software Subscription Matrix for Switching

<table>
<thead>
<tr>
<th>Enterprise Network Software Subscription</th>
<th>Network Essentials†</th>
<th>Network Advantage</th>
<th>Cisco DNA Essentials</th>
<th>Cisco DNA Advantage (Includes Cisco DNA Essentials)</th>
<th>Cisco DNA Premier (Includes Cisco DNA Advantage)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Audience</strong></td>
<td>Entry level with full switching</td>
<td>Entry level with full routing &amp; switching</td>
<td>Entry level to smaller/midsize</td>
<td>Small and midsize ready to upgrade from Cisco DNA Essentials</td>
<td>Small and midsize ready to upgrade from Cisco DNA Essentials or Advantage</td>
</tr>
<tr>
<td><strong>Licenses/Subscriptions</strong></td>
<td>Perpetual Licenses</td>
<td>Perpetual License</td>
<td>3, 5, 7 year subscriptions, license portability and software support included</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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)

**License Portability**
- Full Flexible Netflow
- IPv Tunnel Capabilities
- Easy Grid 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
- PrP 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*+  
- ERSSPAN and AVC+  
- Third Party App Hosting+  
- Extended Node+  
- Fabric in a Box+  
- AVB 1588v2+  
- AVC (NBAR2)+  
- ETA/MUD+  

**Stealthwatch**
- ISE Base
- ISE Plan

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*Not available in Catalyst 9300 Series switches
† Not available in Catalyst 9000 and some catalyst switches indicates Cisco DNA Center Appliance required
* Indicates Cisco DNA Center Appliance required
† Indicates Cisco DNA Essentials must go with Cisco DNA Essentials on Catalyst 9000 switches
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Featured customer case studies

Children's Hospital LA delivers an intelligent network
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.

A beauty company's forward-looking network
Amorepacific deploys SD-Access in its new headquarters to optimize the workplace and to- get ready for future growth.

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

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

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

“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

“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 what more of our customers have to say

“""""

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

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The new Cisco Catalyst 9000 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 Chretien (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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SD-Access is transformational in how our IT can securely and remotely provision cruise ships around the world.
— Michael Gee, Chief Information Officer, Royal Caribbean Cruises Ltd.

""""

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

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