Cisco Catalyst 9300 Series

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Things to know

Before placing an order, please review the following:

- The Cisco® Catalyst® 9300 Series offer structure has three main components: the switch hardware, a Network stack perpetual license, and a Cisco Digital Network Architecture (Cisco DNA™) software subscription license.
- Cisco DNA Software subscription licenses and Network Stack perpetual licenses are smart product IDs (SKUs). Both licenses are required with a hardware purchase.
- Smart Accounts are strongly recommended and will be mandated post launch (for more information, please see Smart Accounts section).
- Smart Licensing technology is not enabled on the switch at launch but will be available later. At launch, the license SKUs are set up as Smart SKUs but will operate in Right-To-Use (RTU) mode. For details, see Smart Licensing section.
- Available service options:
  - Solution support
  - Enhanced Limited Lifetime Warranty (E-LLW)
  - Smart Net Total Care® support
  - Embedded software support for Cisco DNA software subscription license

Common terminology

- Network Stack: NW
- Cisco Digital Network Architecture: Cisco DNA
- Cisco DNA Essentials: -E
- Cisco DNA Advantage: -A
- Smart Account: SA
- Smart License: SL

Purpose of this document

This document is aimed at providing a detailed overview of the ordering process for Cisco Catalyst 9300 Series switches on Cisco Commerce Workspace.

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Hardware and software order overview

Cisco Catalyst 9300 Series switches can be ordered through Cisco Commerce Workspace as a Cisco DNA Essentials or Advantage subscription. Both options include switch hardware coupled with Cisco IOS® and the Network Stack software. In addition to the hardware and Network Stack software, the offer requires the addition of the term-based Cisco DNA Software subscription license, which includes embedded software support.

Cisco DNA Software Subscription Overview

	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
Audience	Entry level with full switching	Entry level with full routing and switching	Entry level to small or midsize looking for base automation and monitoring	Small to midsize looking to upgrade to advanced automation and monitoring
License type	Perpetual license, one-time purchase	Perpetual license, one-time purchase	3/5/7 year term subscription, license portability, support	Includes Cisco DNA Essentials, 3/5/7 year term subscription, license portability, support
Management options	CLI, WebUI	CLI, WebUI	CLI, WebUI, Cisco DNA Center	CLI, WebUI, Cisco DNA Center

Cisco DNA Software Subscription feature matrix

	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco 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.	✓	✓	✓	✓
DevOps integration Make it easy for your development and operations teams to continuously deliver applications.	✓	✓	✓	✓
Layer 2, routed access Your network can achieve high availability and recovery analysis.	✓	✓	✓	✓
Programmability, NETCONF/RESTCONF/gRPC/YANG Model-driven programmability lets you automate configuration and control of your network devices, managed by Cisco DNA Center.	✓	✓	✓	✓

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	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
MACsec encryption Configure MACsec for authenticating and encrypting packets between MACsec-capable devices, managed by Cisco DNA Center.				
Advanced telemetry and flexibility (EEM), SPAN, RSPAN Advanced telemetry and visibility includes Flexible NetFlow and Wireshark for providing near real-time access to operational statistics, managed by Cisco DNA Center.	✓	✓	✓	✓
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 that compromise software and firmware.	✓	✓	✓	✓
Full routing functionality BGP, HSRP, OSPF, IS-IS, GLBP.		✓		✓
IoT and mobility CoAP, AVB, PTP.		✓		✓
Flexible network segmentation VRF, VXLAN, LISP, SGT, MPLS.		✓		✓
High availability and resiliency (patching) Support operational continuity and maintain availability during routine maintenance, and perform disaster recovery.		✓		✓
Optimize bandwidth utilization (multicast) Multicast is used between routers so they can track which multicast packets to forward to each other and to their directly connected LANs.		✓		✓

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	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
License portability Software services-enabled license portability lets your software licenses stay current through hardware upgrades and replacements at no additional cost.			✓	✓
Full Flexible NetFlow This next generation in flow technology optimizes the network infrastructure, reducing operating costs and improving capacity planning and security incident detection.			✓	✓
IPv6 tunnel capabilities Overlay tunneling encapsulates IPv6 packets in IPv4 packets for delivery across an IPv4 infrastructure (a core network or the Internet).			✓	✓
Easy QoS dynamic monitoring Assign policies to applications based on business relevance and business-critical QoS priority for life-saving devices, for example.			✓	✓
Branch deployment automation Support for simplified workflows for physical and virtual branch automation and day-0 router/NFV design.			✓	✓
Software Image Management (SWIM) Automatically manage software upgrades and control the consistency of image versions and configurations across your network, managed by Cisco DNA Center.			✓	✓
Enterprise Network Functions Virtualization (ENFV) Facilitates branch virtualization on any hardware device – Cisco or third party. Supports existing branch migration without hardware upgrade.			✓	✓
LAN automation Accelerates building the SD-Access overlay network without the traditional network planning and implementation process, managed by Cisco DNA Center.			✓	✓

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	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
Wireless automation Supports intent-based workflows for simplified wireless deployment and automation, managed by Cisco DNA Center appliance.			✓	✓
Policy creation Create policies based on business intent for a particular part of the network that are network- and device-specific, adjusted dynamically to guarantee services, managed by 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, Cisco and Meraki, managed by Cisco DNA Center.			✓	✓
Network health dashboard Provides operational status of every network device connected to Cisco DNA Center, with suggested remediation for any communication issues, managed by Cisco DNA Center.			✓	✓
Client health dashboard Displays operational status of every client connected to Cisco DNA Center, with suggested remediation for any issues, managed by Cisco DNA Center.			✓	✓
Application health dashboard Displays overall health of all applications on the network, with special section for business-relevant application issues and suggested remediation, managed by Cisco DNA Center.			✓	✓
Streaming telemetry Enables network devices to send near-real-time telemetry information to Cisco DNA Center.			✓	✓

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	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
Network Plug and Play (PnP) provisioning Zero-touch provisioning for new device installation allows off-the-shelf Cisco devices to be provisioned simply by connecting to the network, managed by Cisco DNA Center.			✓	✓
SD-Access and switch insights Enables policy-based automation with secure segmentation, complete visibility, and delivery of new services quickly on SDAccess devices, managed by Cisco DNA Center.				✓
Patch lifecycle management Intelligent device management for lifecycle patching, managed by Cisco DNA Center.				✓
Flexible network segmentation Segment your network for security, compliance, and complex processes, managed by Cisco DNA Center.				✓
Device 360 and Client 360 Display devices and client connectivity from any angle or context, providing for very granular troubleshooting in seconds.				✓
Cisco Catalyst 9800 Series embedded wireless controller Fabric technology is an integral part of SD-Access. Fabric-enabled wireless is a deployment option, managed by Cisco DNA Center.				✓
Application policy creation Assign policies to applications based on business relevance and business-critical QoS priority for life-saving devices, for example.				✓

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	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
Software Maintenance Upgrade (SMU) SMUs, also known as Patching, allows limited updates within the operating software without having to upgrade the entire image. This means bugs and security vulnerabilities can be resolved without having to requalify an entirely new image and potentially without having to reset a switch and incur downtime.				✓
Path trace Visualize the path of an application or service from client through all devices and to the server, troubleshooting issues instantly.				✓
Network time travel Visualize device or client performance in a timeline view to identify the cause of a network issue instead of trying to re-create the issue in a lab.				✓
Application hosting Allows third-party applications to be hosted in a secure container environment (for example, Wireshark and Docker).				✓
Encrypted Traffic Analytics (ETA) Detect malware within encrypted traffic. This is an optional feature of Cisco Stealthwatch, managed by Cisco DNA Center.				✓
Cisco DNA Services for Bonjour This software-defined, controller-based solution enables Bonjour services discovery and advertisement at scale across multiple domains, managed by Cisco DNA Center.				✓
ERSPAN and AVC Monitor and send traffic, detect every application in your network, and optimize bandwidth with application-aware policies, managed by Cisco DNA Center.				✓

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	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
Extended node Extend the reach of products connected to the fabric edge devices, managed by Cisco DNA Center.				✓
Fabric in a box Add the selected device as a control plane, a border node, and an edge node. Does not require Cisco DNA Center.				✓
AVB 1588 Audio Video Bridging standards provide the means for highly reliable delivery of low-latency, time-synchronized audio and video streaming services. Does not require Cisco DNA Center.				✓
AVC (NBAR2) Gain application visibility and control through Next-Generation Network-Based Application Recognition. Does not require Cisco DNA Center.				✓
ETA/MUD+ Encrypted Traffic Analytics detects malware within encrypted traffic. Manufacturer user description validates the IoT device, extends trust, and applies policy to the device. Does not require Cisco DNA Center.				✓
Cisco ThousandEyes Network and Application Synthetics Network performance metrics, dashboarding, visibility into app and service experience, end-to-end visibility across cloud and DC applications				✓
Cisco DNA Spaces IoT Services on Catalyst Switching Cisco DNA Spaces on Catalyst 9000 switches acts as a layer between different wired IoT solutions, giving more options and greater flexibility to help smart buildings proactively adapt to changing conditions.				✓

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	Features			
	Network Essentials	Network Advantage	Cisco DNA Essentials	Cisco DNA Advantage
Stealthwatch Gain complete security and threat containment, managed by Cisco DNA Center.			a-la-carte	a-la-carte
Identity Services Engine (ISE) Base and Plus Working with Cisco DNA Center, ISE is a complete authentication, policy, and identity services engine.			a-la-carte	a-la-carte
E-LLW Enhanced limited lifetime hardware warranty.	✓	✓	✓	✓
SWSS Software Support Service that also offers license portability and ongoing innovation in the software stack, including 24-hourTAC support.			✓	✓

How to order a Cisco Catalyst 9300 Series switch

Both Network Stack licenses and Cisco DNA Software subscription licenses are mandatory at the time of purchase and come in two licensing tier options: Cisco DNA Advantage and Cisco DNA Essentials (-E). The Network Stack licenses, Network Advantage or Network Essentials is included with the hardware, while a Cisco DNA Software subscription term license needs to be selected at the time of order.

To order in the Cisco Commerce Workspace, follow these steps:

1. Select the appropriate Network Stack license type -A or -E
2. Choose the preferred consumption model - Cisco DNA Advantage (default and recommended) or individual.
3. Choose the Cisco DNA Software subscription term license (3, 5 or 7 years).
4. Add other components (for example: secondary power supply, power cables, etc.).

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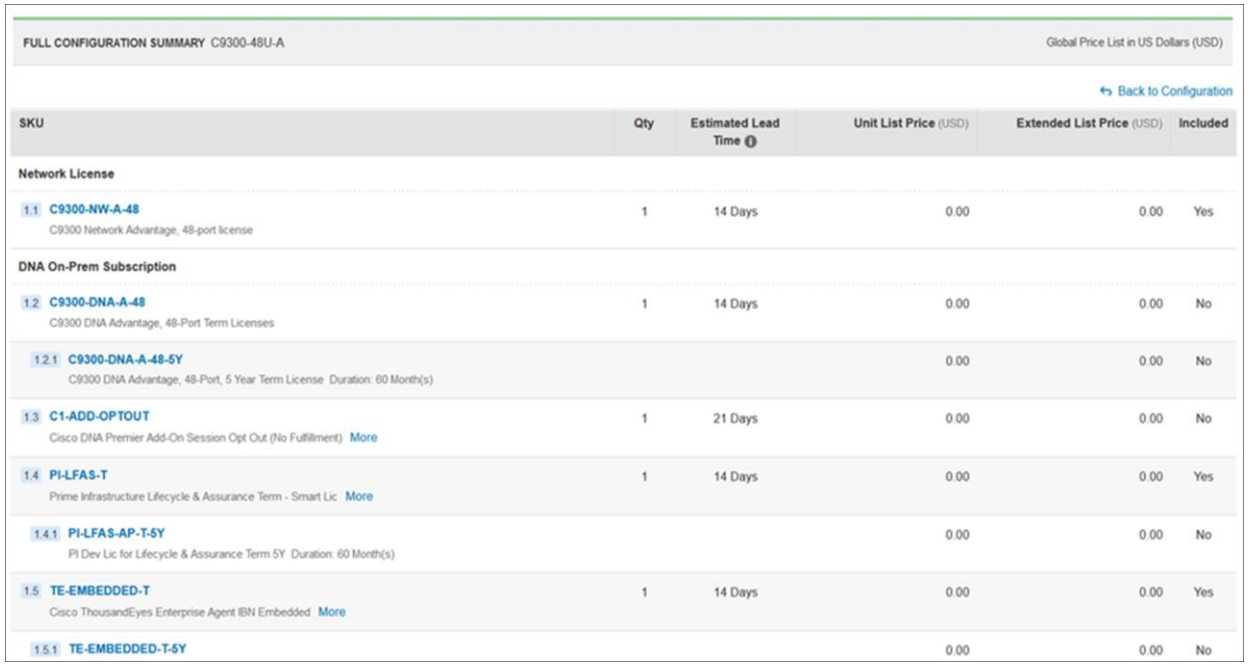
Step-by-Step Ordering in Cisco Commerce Workspace

Enter the hardware SKU in [Cisco Commerce Workspace].

The Network Stack license is perpetual and included with the hardware by default (it will not be visible in the selection menu) per the respective hardware SKU suffix (example: C9300-48P-E/C9300-48P-A).

The Cisco ThousandEyes Network and Application Synthetics license is included by default upon the selection of a Cisco DNA Advantage option with a 3 year, 5 year or a 7 year subscription. Each Catalyst 9300 Cisco DNA Advantage subscription entitles the customer to run the equivalent of one ThousandEyes network or web test every 5 mins from a ThousandEyes enterprise agent (22 units per month), up to a maximum of 110,000 units per month of ThousandEyes test capacity per customer.

Expand to “View Full Summary” view to view the Cisco ThousandEyes Network and Application Synthetics license (TE-EMBEDDED-T). The TE-EMBEDDED-T is bundled with the Cisco DNA Advantage subscription and follow the same term as the Cisco DNA subscriptions.



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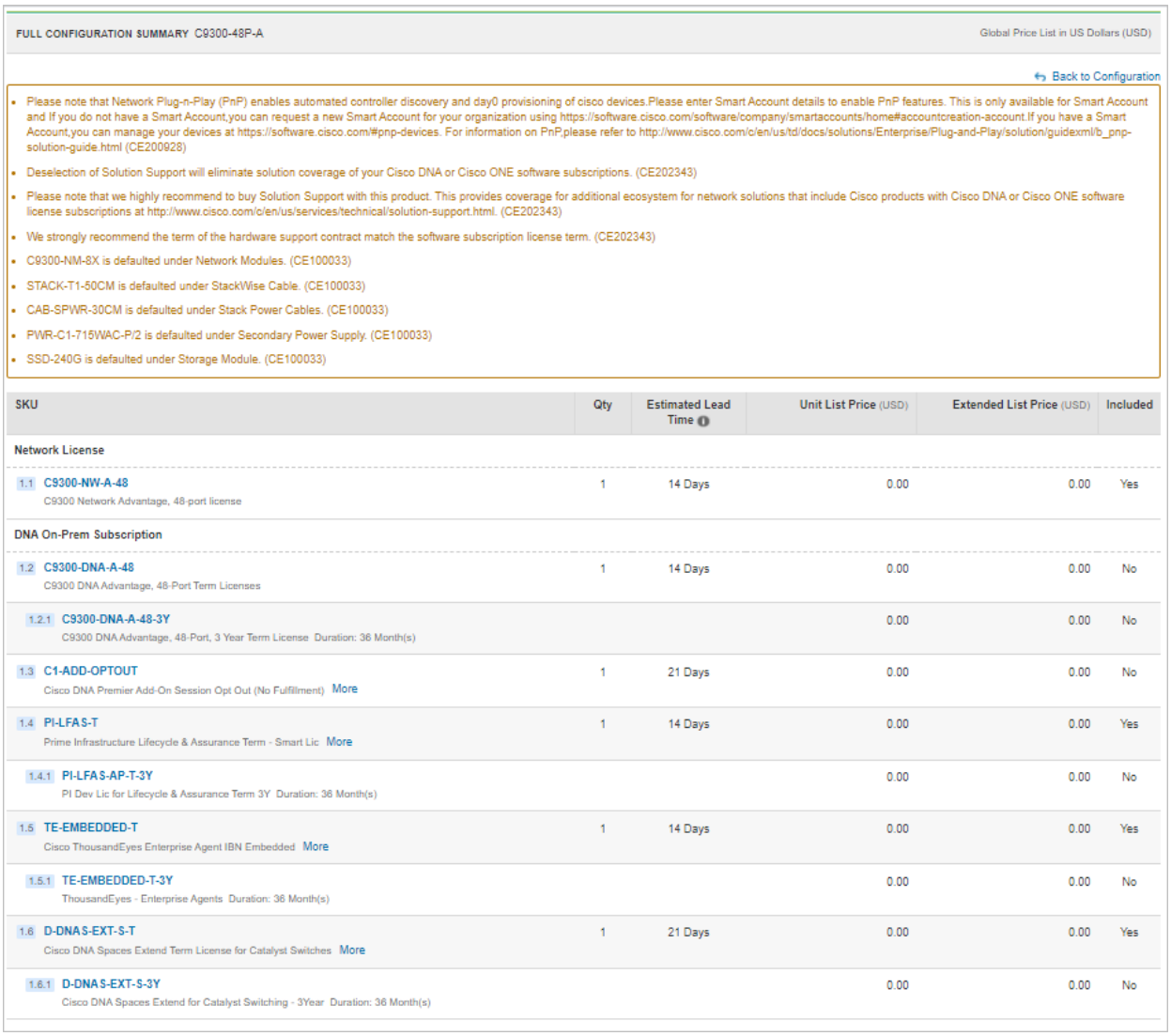
The Cisco DNA Spaces Extend license is included by default upon the selection of a Cisco DNA Advantage option with a 3 year, 5 year or a 7 year subscription. Each Catalyst 9300 Cisco DNA Advantage subscription entitles the customer to run the equivalent of one DNA Spaces gateway and access to IoT device marketplace, Cisco DNA Spaces cloud with included software and support

Expand to “View Full Summary” view to view the Cisco DNA Spaces Extend license (**D-DNAS-EXT-S-T**). The **D-DNAS-EXT-S-T** is bundled with the Cisco DNA Advantage subscription and follow the same term as the Cisco DNA subscriptions.



FULL CONFIGURATION SUMMARY C9300-48P-A — Global Price List in US Dollars (USD)

Back to Configuration

- Please note that Network Plug-n-Play (PnP) enables automated controller discovery and day0 provisioning of cisco devices.Please enter Smart Account details to enable PnP features. This is only available for Smart Account and If you do not have a Smart Account,you can request a new Smart Account for your organization using https://software.cisco.com/software/company/smartaccounts/home#accountcreation-account.If you have a Smart Account,you can manage your devices at https://software.cisco.com/#pnp-devices. For information on PnP,please refer to http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Plug-and-Play/solution/guidexml/b_pnp-solution-guide.html (CE200928)
- Deselection of Solution Support will eliminate solution coverage of your Cisco DNA or Cisco ONE software subscriptions. (CE202343)
- Please note that we highly recommend to buy Solution Support with this product. This provides coverage for additional ecosystem for network solutions that include Cisco products with Cisco DNA or Cisco ONE software license subscriptions at http://www.cisco.com/c/en/us/services/technical/solution-support.html. (CE202343)
- We strongly recommend the term of the hardware support contract match the software subscription license term. (CE202343)
- C9300-NM-8X is defaulted under Network Modules. (CE100033)
- STACK-T1-50CM is defaulted under StackWise Cable. (CE100033)
- CAB-SPWR-30CM is defaulted under Stack Power Cables. (CE100033)
- PWR-C1-715WAC-P/2 is defaulted under Secondary Power Supply. (CE100033)
- SSD-240G is defaulted under Storage Module. (CE100033)

SKU	Qty	Estimated Lead Time	Unit List Price (USD)	Extended List Price (USD)	Included
Network License					
1.1 C9300-NW-A-48 C9300 Network Advantage, 48-port license	1	14 Days	0.00	0.00	Yes
DNA On-Prem Subscription					
1.2 C9300-DNA-A-48 C9300 DNA Advantage, 48-Port Term Licenses	1	14 Days	0.00	0.00	No
1.2.1 C9300-DNA-A-48-3Y C9300 DNA Advantage, 48-Port, 3 Year Term License Duration: 36 Month(s)			0.00	0.00	No
1.3 C1-ADD-OPTOUT Cisco DNA Premier Add-On Session Opt Out (No Fulfillment) More	1	21 Days	0.00	0.00	No
1.4 PI-LFAS-T Prime Infrastructure Lifecycle & Assurance Term - Smart Lic More	1	14 Days	0.00	0.00	Yes
1.4.1 PI-LFAS-AP-T-3Y PI Dev Lic for Lifecycle & Assurance Term 3Y Duration: 36 Month(s)			0.00	0.00	No
1.5 TE-EMBEDDED-T Cisco ThousandEyes Enterprise Agent IBN Embedded More	1	14 Days	0.00	0.00	Yes
1.5.1 TE-EMBEDDED-T-3Y ThousandEyes - Enterprise Agents Duration: 36 Month(s)			0.00	0.00	No
1.6 D-DNAS-EXT-S-T Cisco DNA Spaces Extend Term License for Catalyst Switches More	1	21 Days	0.00	0.00	Yes
1.6.1 D-DNAS-EXT-S-3Y Cisco DNA Spaces Extend for Catalyst Switching - 3Year Duration: 36 Month(s)			0.00	0.00	No

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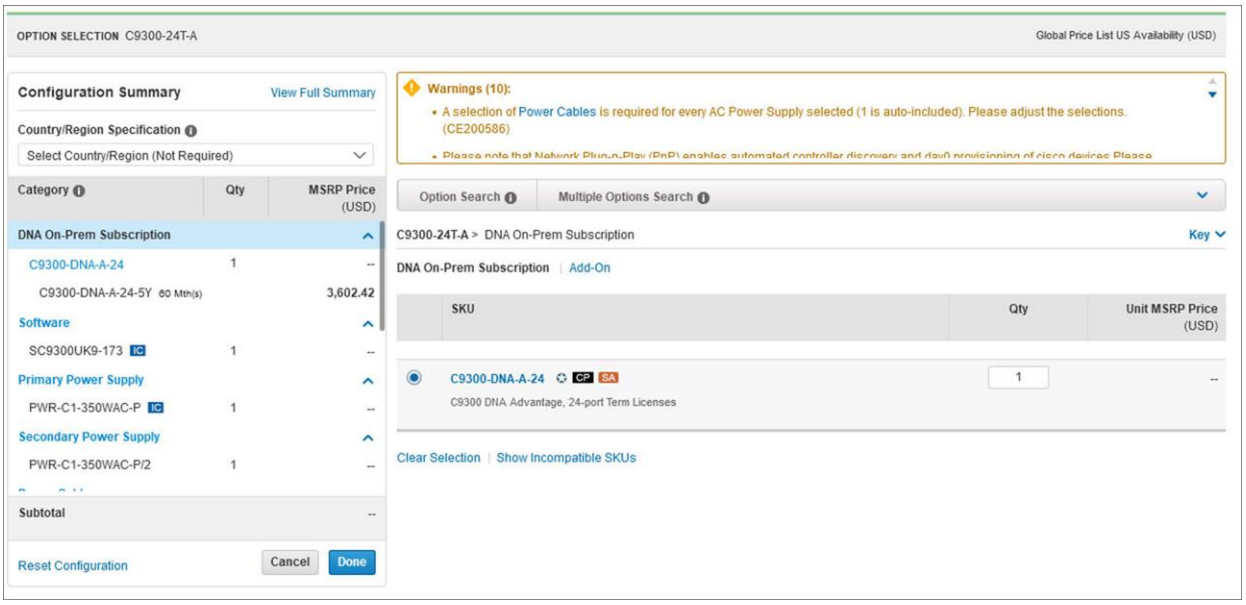
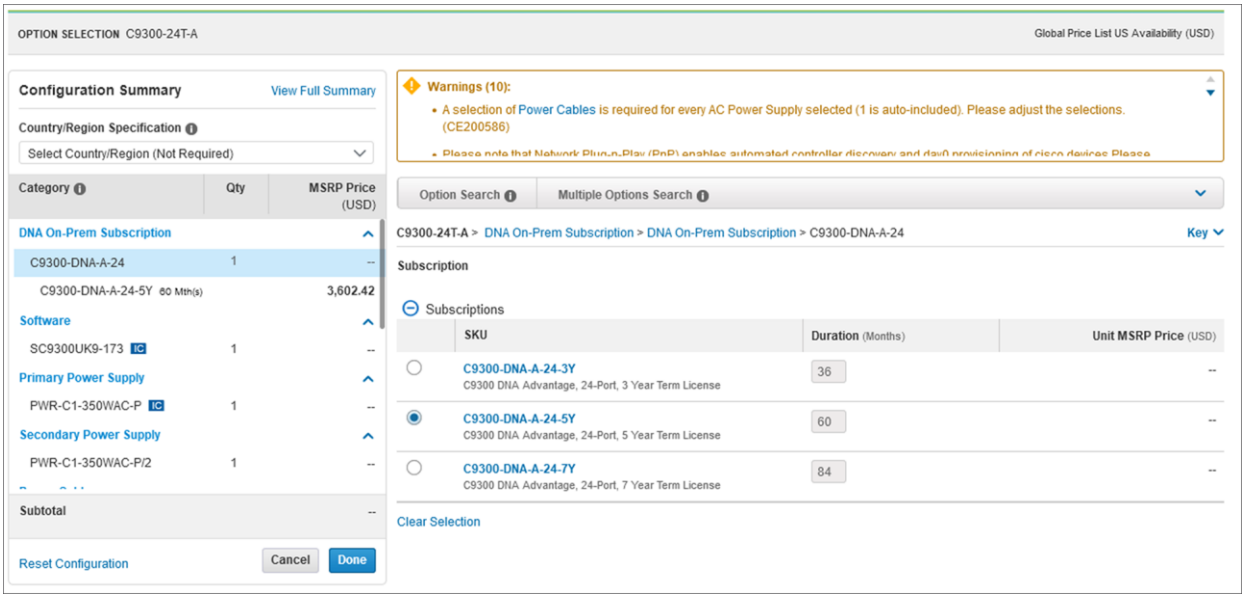
A Cisco DNA Advantage option is available for selection and is the default. Customers are encouraged to purchase the Cisco DNA Advantage option to enable advanced Cisco DNA features as a bundled solution:



Follow steps below to change from 5 year default term to a 3 or 7 year term for Cisco DNA Advantage Software subscription license



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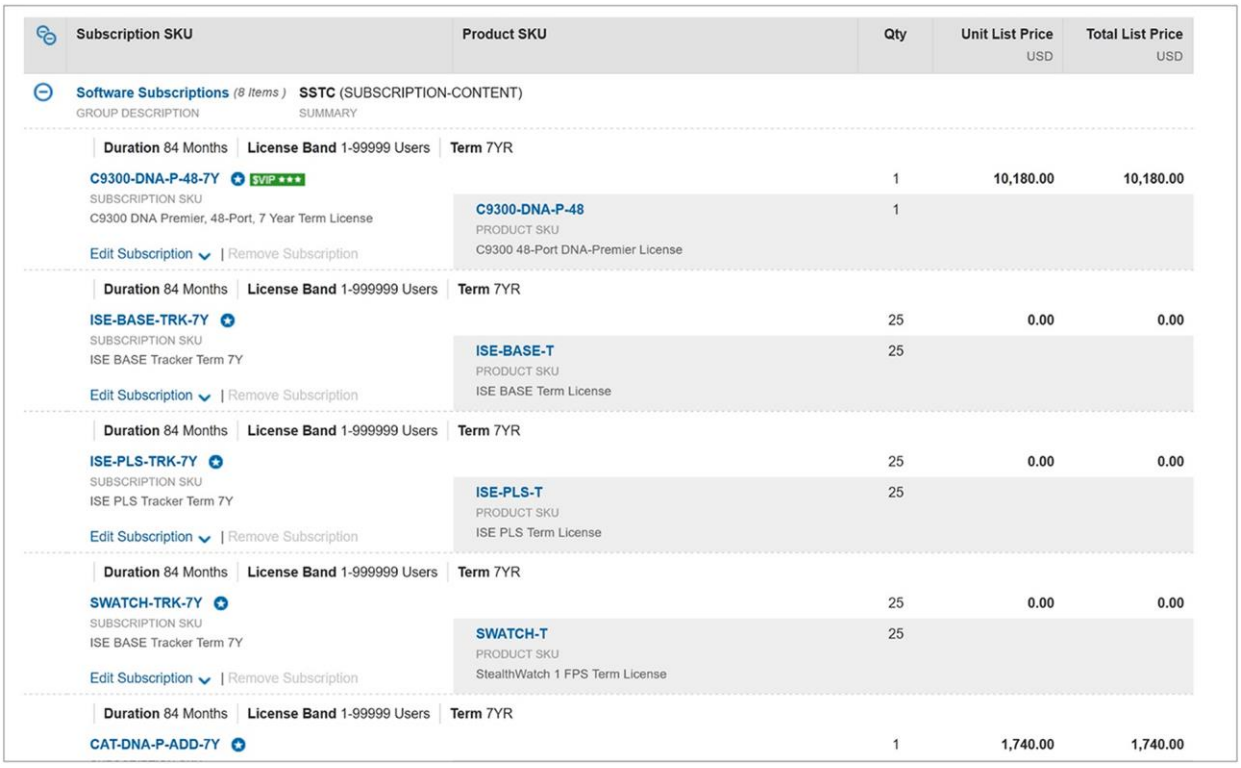
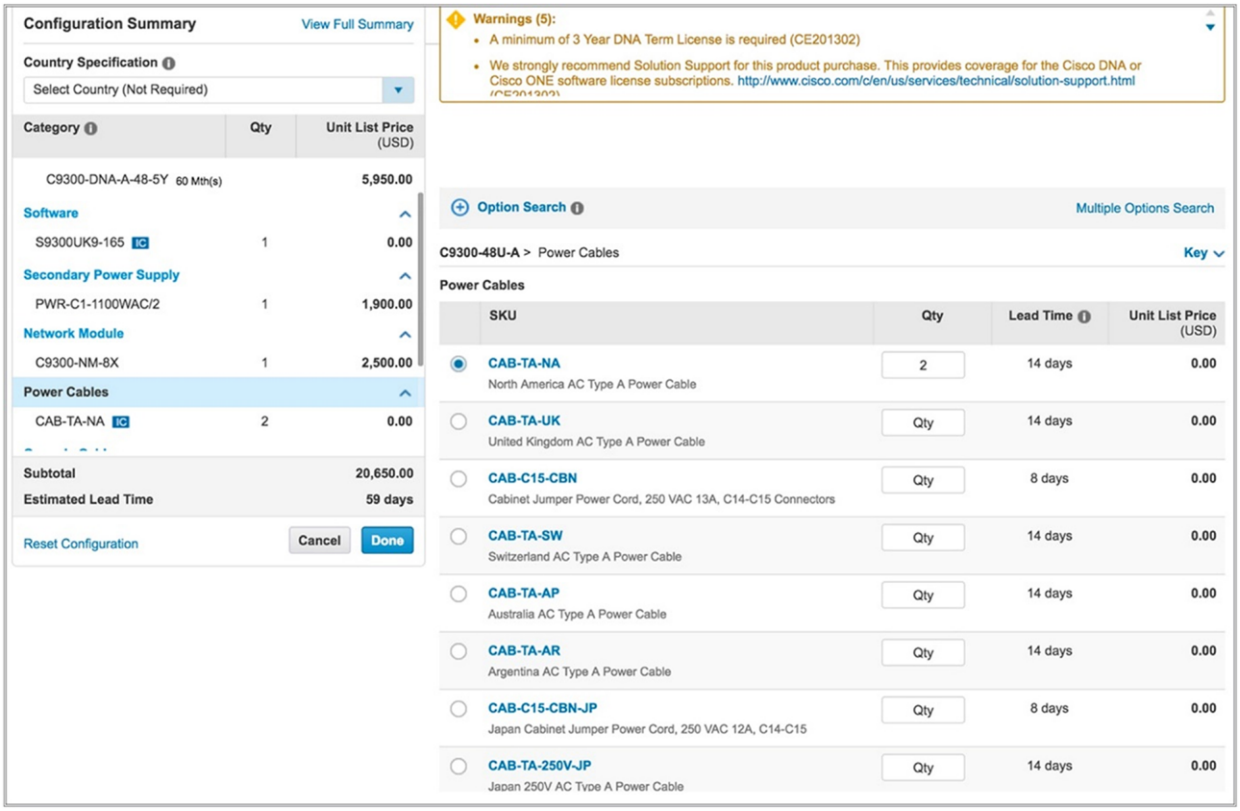
Check Summary to validate all terms are aligned to intended term.



Subscription SKU	Product SKU	Qty	Unit List Price USD	Total List Price USD
Software Subscriptions (8 Items) GROUP DESCRIPTION	SSTC (SUBSCRIPTION-CONTENT) SUMMARY			
Duration 84 Months | License Band 1-99999 Users | Term 7YR				
C9300-DNA-P-48-7Y SVIP SUBSCRIPTION SKU C9300 DNA Premier, 48-Port, 7 Year Term License Edit Subscription | Remove Subscription	C9300-DNA-P-48 PRODUCT SKU C9300 48-Port DNA-Premier License	1 1	10,180.00	10,180.00
Duration 84 Months | License Band 1-999999 Users | Term 7YR				
ISE-BASE-TRK-7Y SUBSCRIPTION SKU ISE BASE Tracker Term 7Y Edit Subscription | Remove Subscription	ISE-BASE-T PRODUCT SKU ISE BASE Term License	25 25	0.00	0.00
Duration 84 Months | License Band 1-999999 Users | Term 7YR				
ISE-PLS-TRK-7Y SUBSCRIPTION SKU ISE PLS Tracker Term 7Y Edit Subscription | Remove Subscription	ISE-PLS-T PRODUCT SKU ISE PLS Term License	25 25	0.00	0.00
Duration 84 Months | License Band 1-999999 Users | Term 7YR				
SWATCH-TRK-7Y SUBSCRIPTION SKU ISE BASE Tracker Term 7Y Edit Subscription | Remove Subscription	SWATCH-T PRODUCT SKU StealthWatch 1 FPS Term License	25 25	0.00	0.00
Duration 84 Months | License Band 1-99999 Users | Term 7YR				
CAT-DNA-P-ADD-7Y		1	1,740.00	1,740.00

North America cable is defaulted, but another cable can be selected based on country or geography. A power cable must be selected to complete the configuration:



Configuration Summary View Full Summary

Country Specification: Select Country (Not Required)

Category	Qty	Unit List Price (USD)
C9300-DNA-A-48-5Y 60 Mth(s)		5,950.00
Software		
S9300UK9-165 IC	1	0.00
Secondary Power Supply		
PWR-C1-1100WAC/2	1	1,900.00
Network Module		
C9300-NM-8X	1	2,500.00
Power Cables		
CAB-TA-NA IC	2	0.00
Subtotal		20,650.00
Estimated Lead Time		59 days

Reset Configuration | Cancel | Done

Warnings (5):
- A minimum of 3 Year DNA Term License is required (CE201302)
- We strongly recommend Solution Support for this product purchase. This provides coverage for the Cisco DNA or Cisco ONE software license subscriptions. http://www.cisco.com/c/en/us/services/technical/solution-support.html

Option Search | Multiple Options Search

C9300-48U-A > Power Cables | Key

Power Cables

SKU	Qty	Lead Time	Unit List Price (USD)
CAB-TA-NA North America AC Type A Power Cable	2	14 days	0.00
CAB-TA-UK United Kingdom AC Type A Power Cable	Qty	14 days	0.00
CAB-C15-CBN Cabinet Jumper Power Cord, 250 VAC 13A, C14-C15 Connectors	Qty	8 days	0.00
CAB-TA-SW Switzerland AC Type A Power Cable	Qty	14 days	0.00
CAB-TA-AP Australia AC Type A Power Cable	Qty	14 days	0.00
CAB-TA-AR Argentina AC Type A Power Cable	Qty	14 days	0.00
CAB-C15-CBN-JP Japan Cabinet Jumper Power Cord, 250 VAC 12A, C14-C15	Qty	8 days	0.00
CAB-TA-250V-JP Japan 250V AC Type A Power Cable	Qty	14 days	0.00

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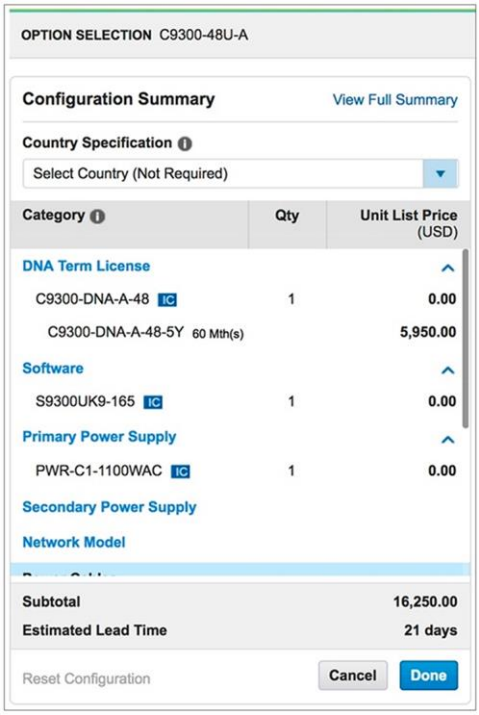
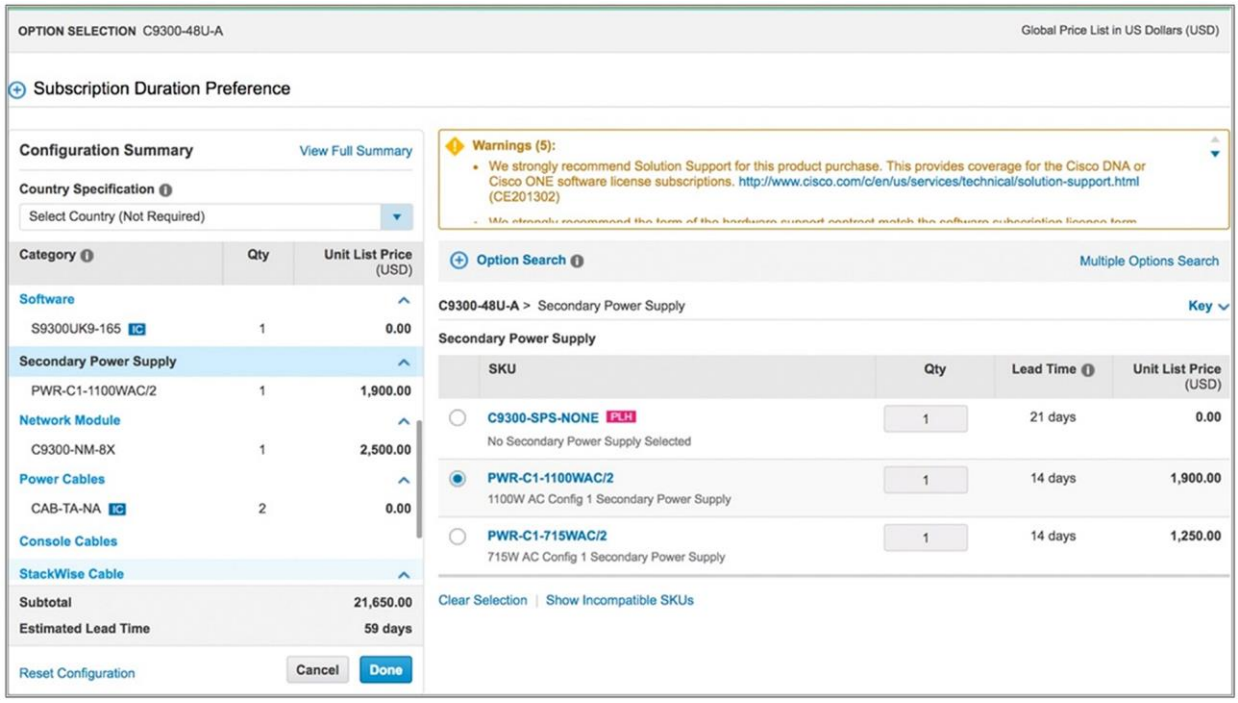
The primary power supply is added by default, based on the hardware model:



A secondary power supply is selected by default. Please select the C9300-SPS-NONE or C9300L-SPS-NONE option if a secondary power supply is not required.



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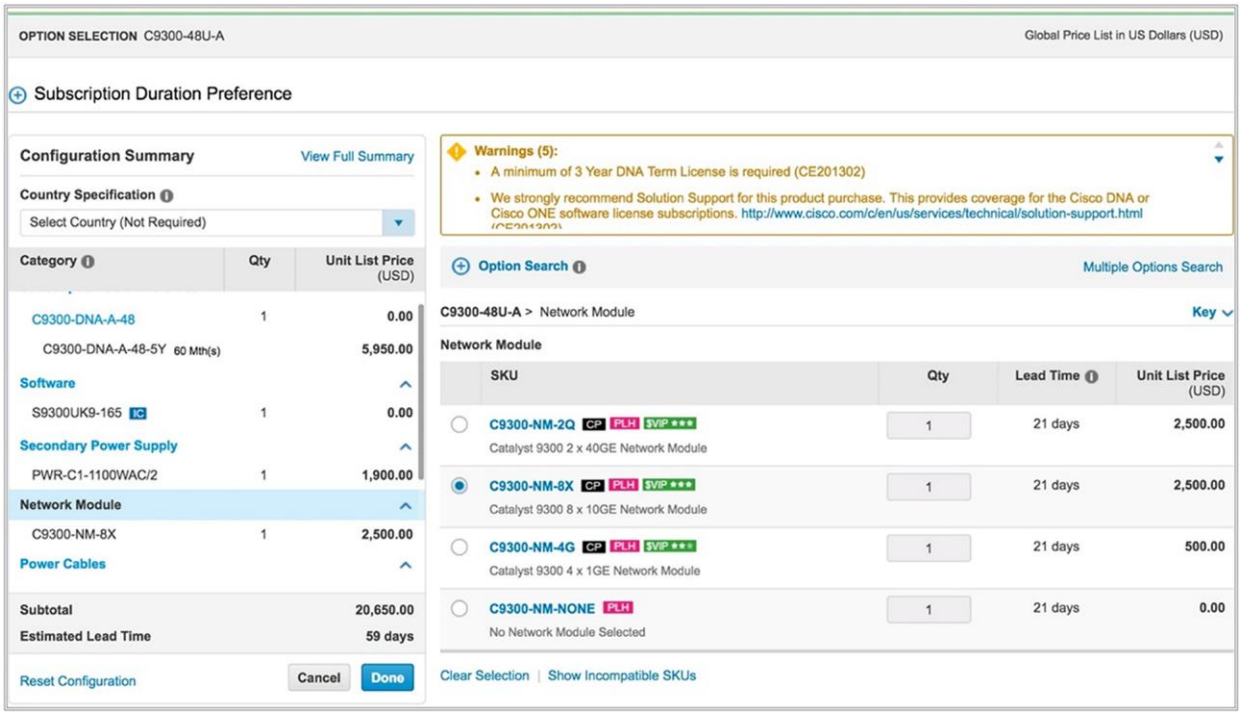
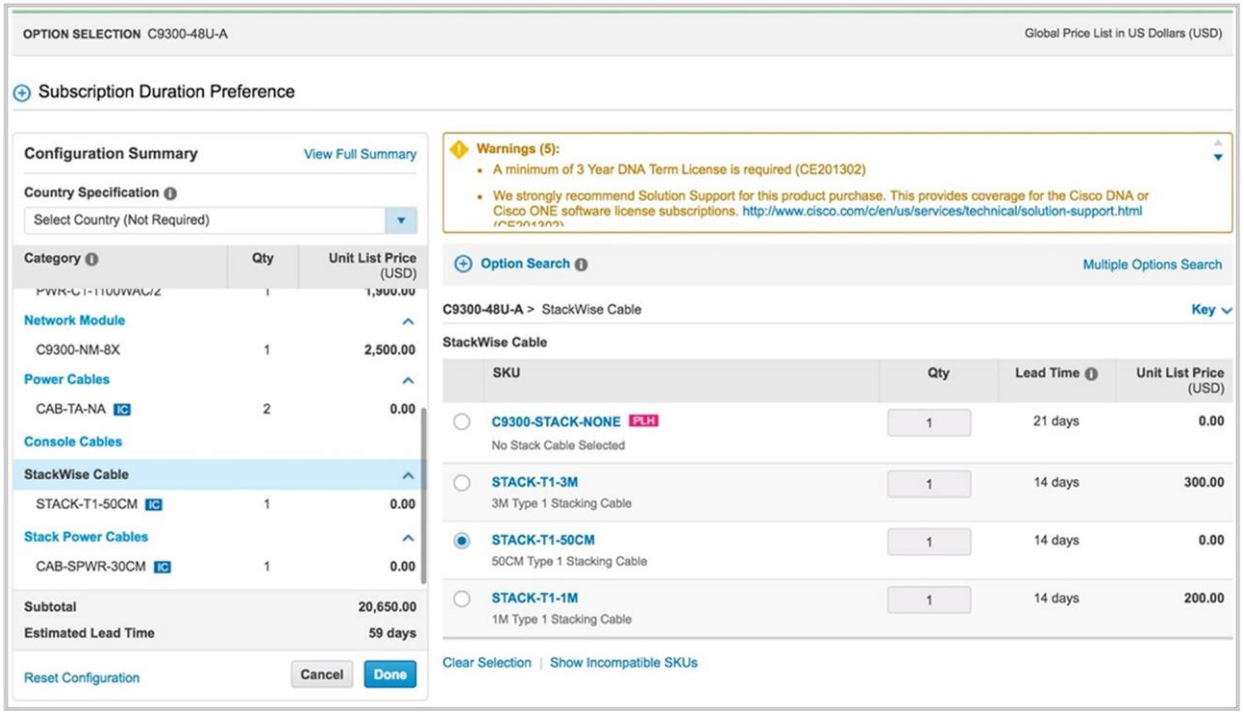
For modular uplink models, C9300X SKUs come with C9300X-NM-2C network module as default and (), C9300 SKUs come with C9300-NM-8X network module as default, but another selection can be made. C9300X-NM-NONE or C9300-NM-NONE can be selected if a network module is not desired. This step is not required when ordering fixed uplink models (C9300L SKUs) since they have fixed uplinks that are already part of the SKU.



A 3m (C9300X SKUs) or 50cm (C9300 SKUs) StackWise® cable is selected by default for both -E and -A hardware models. 50CM, 1M and 3M stacking cable options are available. . If a StackWise cable is not required, C9300X-STACK-NONE or C9300-STACK-NONE should be selected:



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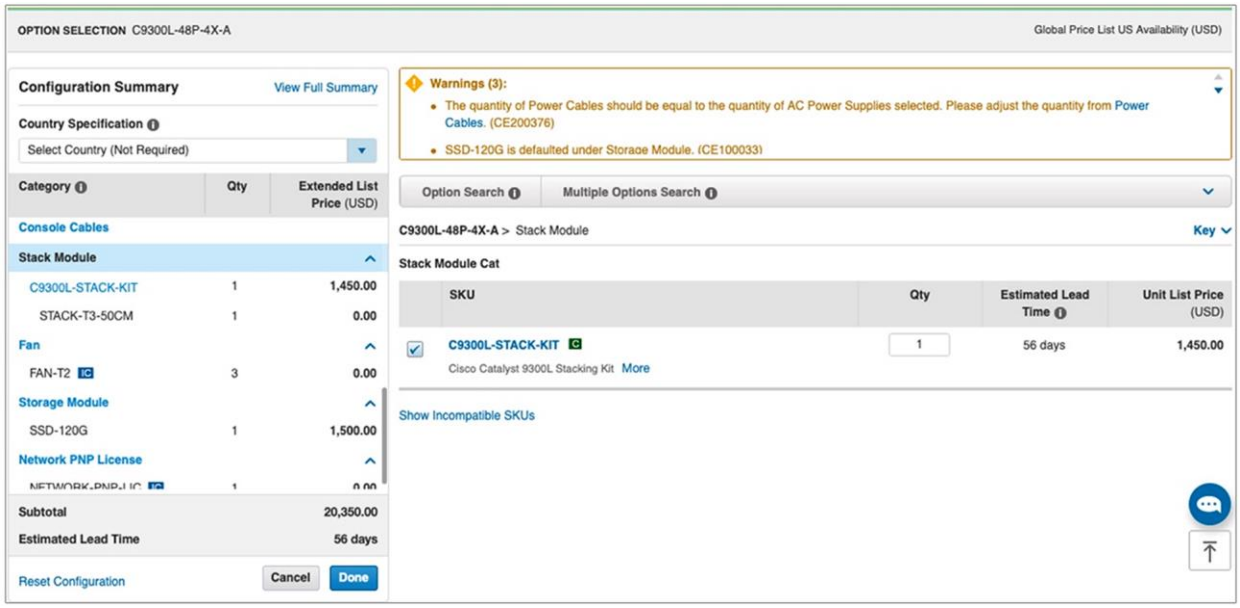
For fixed uplink models (C9300L SKUs), a C9300L-STACK-KIT is selected by default which includes a 50CM stacking cable by default. 50CM, 1M and 3M stacking cable options are available.



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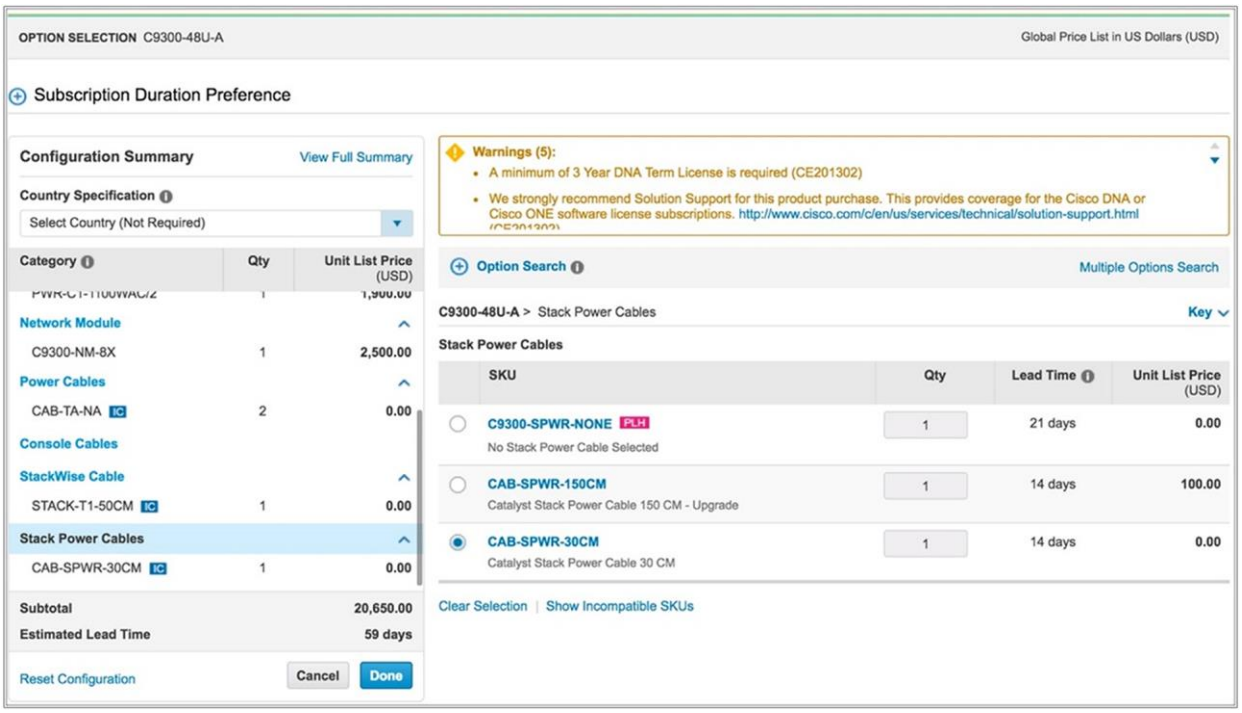
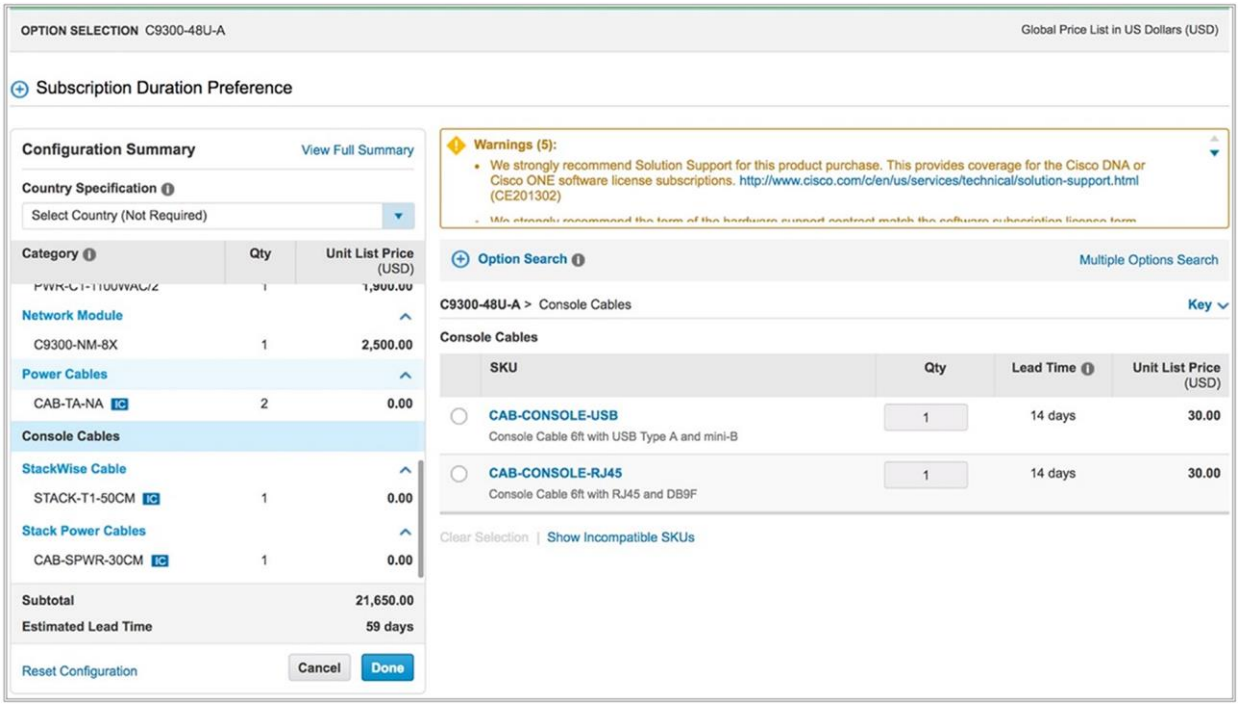
A 30cm (C9300/C9300L) or 150CM (C9300X) Cisco StackPower® cable is selected by default for both -E and -A hardware models. Customers have the option to choose 30CM or 150CM StackPower cable type or select C9300-SPWR-NONE if StackPower is not desired.



Console cables are also available as shown below:



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Default accessories shipped with the switch

Cisco Catalyst 9300 Series switches ships with the following components and accessories by default:

- Switch
- Default power supply (based on selected switch)
- Secondary power supply (same as default primary)
- 2 Power cables (specific power cable needs to be selected)
- Stacking Kit (for C9300L SKUs only with 50cm stacking cable)
- Stack cable (50cm, 1M) unless not selected (for C9300/C9300X SKUs only)
- StackPower cable (30cm/ 150CM) unless not selected (for C9300/C9300X SKUs only)
- Mounting brackets

Licensing

All Cisco Catalyst 9300 Series switches are available with two software options. Each software option includes two components, as shown in Table 1.

Table 1. License Levels and Options

License Level	Network Stack offer (Perpetual and embedded)	Cisco DNA Software Subscription offer (Term based)
-E	Network Essentials	Cisco DNA Essentials (3, 5, or 7 years)
-A	Network Advantage	Cisco DNA Advantage (3, 5, or 7 years)

Upgrading license level

Customers will have the option to upgrade the Network Stack and Cisco DNA license levels (for example, -E to -A license upgrade) through a license upgrade, which will be available post launch. Customers will purchase the upgrade license and then reach out to CPS to initiate the upgrade process. The customer will be able to select term licenses using the C9300-LIC= or C9300L-LIC= SKU to upgrade a-la-carte Cisco DNA license. The Cisco Catalyst 9300 Series software license upgrade SKUs are listed in the “Ordering information” section.

Note that a license cannot be upgraded at the time of purchase.

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Smart accounts

As with all Catalyst 9000 family switches, Smart Accounts are mandatory when ordering a Catalyst 9300 Series switch. A Smart Account is a central data repository that provides visibility and access control to all the Cisco software licenses and entitlements across an organization. Smart Accounts allow customers to store, manage, and move assets across locations and devices and begin to use them immediately. Smart Accounts are required for enabling Cisco Smart Software Licensing.

After a Smart Account has been set up, customers have the flexibility to create subaccounts (virtual accounts) to help manage licenses for departments, areas, or locations within their organization. Licenses can be pooled within virtual accounts as needed. Smart Accounts support role-based user access controls, which allow the delegation of authority to account administrators at the Smart Account level or at the virtual account level. In addition, customers can assign partner visibility and management rights to their virtual or enterprise-level accounts.

Introduction to Smart Licensing

Cisco Smart Licensing is a flexible licensing model that provides you with an easier, faster, and more consistent way to purchase and manage software across the Cisco portfolio and across your organization. And it's secure – you control what users can access. With Smart Licensing you get:

- **Easy Activation:** Smart Licensing establishes a pool of software licenses that can be used across the entire organization—no more PAKs (Product Activation Keys).
- **Unified Management:** My Cisco Entitlements (MCE) provides a complete view into all of your Cisco products and services in an easy-to-use portal, so you always know what you have and what you are using.
- **License Flexibility:** Your software is not node-locked to your hardware, so you can easily use and transfer licenses as needed.

To use Smart Licensing, you must first set up a Smart Account on Cisco Software Central (software.cisco.com).

For a more detailed overview on Cisco Licensing, go to cisco.com/go/licensingguide.

Cisco Smart Software Manager

Cisco Smart Software Manager enables the management of software licenses. The interface allows you to activate your product, manage entitlements, and renew and upgrade software. An active Smart Account is required to complete the Smart License registration process. To learn more about end-to-end Smart Account and Smart License management, visit https://www.cisco.com/c/en/us/buy/smart-accounts/software-manager.html.

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Smart Account and Smart License availability

Important information about smart account and smart license availability

- Cisco Catalyst 9300 Series switch SKUs are smart SKUs. License entitlements will be deposited in the Cisco Smart Software Manager and the Smart Accounts
- In addition to viewing entitlements, customers will also be able to track consumption

Smart Accounts are mandatory at the time of the order of a Cisco Catalyst 9300 Series switch. If a customer does not have a Smart Account set up prior to the purchase, a new Smart Account must be created at the time of purchase.

Deploying Smart Licenses for Cisco Catalyst 9300 Series switches

Cisco Catalyst 9300 Series switches come in different licensing packages in comparison to existing Cisco Catalyst platforms. After Smart Licensing technology (available later) is enabled on the switch, the ordering process will include a requirement to establish a Smart Account where software licenses will be deposited. Smart Licenses are transferable between the same types of devices (for example, from one Cisco Catalyst 9300 Series switches to another). (See Figure 2.)

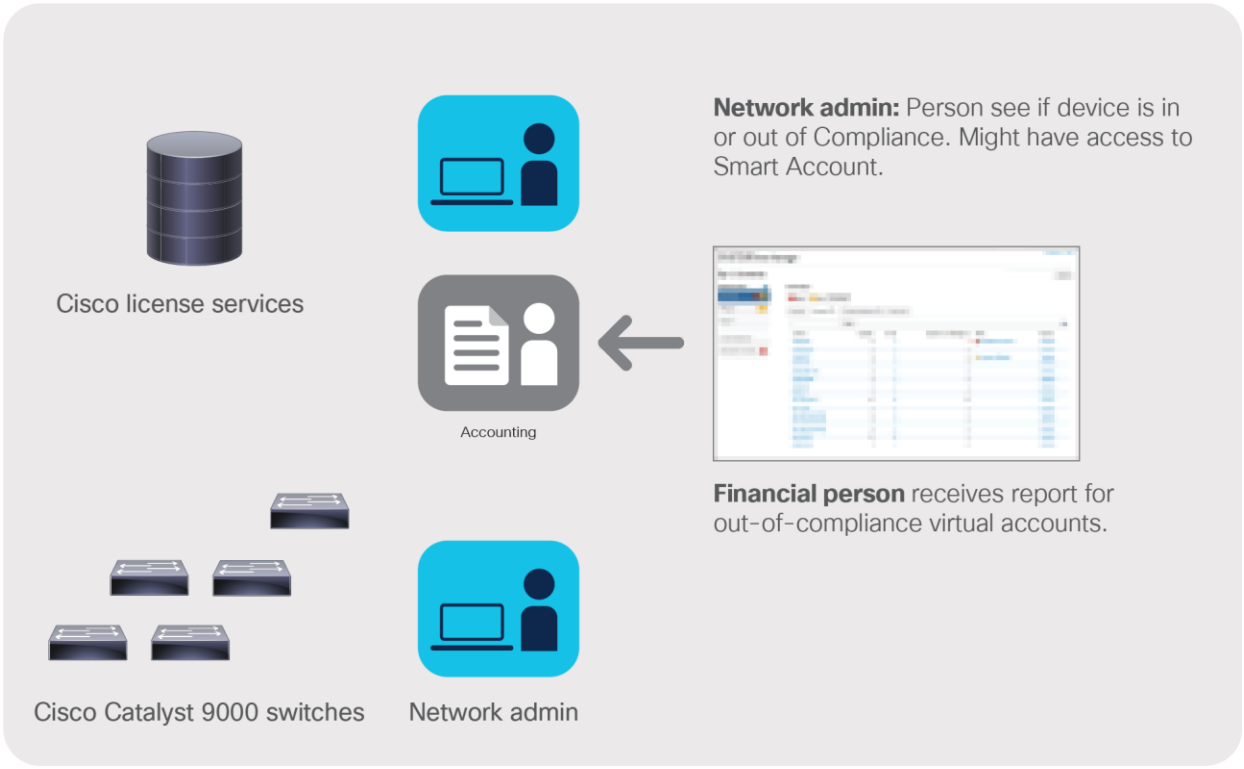

Figure 1.
Deploying Smart Licenses

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In the deployment model shown in Figure 2, the Smart Account Cisco back end and Cisco Catalyst 9300 Series switches do not have a communication channel to report usage and consumption. They operate as separate entities. The switches must be configured in RTU mode with correct license level to enable the purchased feature set.

- Possible deployment modes:
  - RTU: The licensing mode on Cisco Catalyst 9300 Series switches remains RTU in Cisco IOS® XE 16.5.1a. However, the licensing structure in RTU has been modified to match the same packaging model that will be used with Smart License mode in the future. Unified licensing modes between RTU and Smart License mode will help to simplify the migration and reduce the time for implementing Smart License with usage report
- Consumption reporting: License usage and consumption reporting is performed on Cisco Smart Software Manager only when the device has capability to report Smart License usage. Cisco IOS XE 16.5.1a release does not include the license reporting infrastructure to Cisco Smart Software Manager on the switches

For further information about the Cisco Catalyst 9000 RTU licensing, model, see the Configuration Guide.

Software-Defined Access (SD-Access)

Software-Defined Access (SD-Access) enables Policy-based Automation from edge to Cloud with foundational capabilities leveraging controller-based architecture including: Design with Validated Design Templates, Simplified device deployment, Unified management of Wired and Wireless, Network Virtualization with Segmentation, Group Based Policies and Contextual based analytics.

SD-Access can be enabled with Cisco DNA Advantage. Note that customers will need to additionally purchase ISE, which is available in the Cisco DNA Expansion Pack.

Services and Warranty

The Solution Support service option is strongly recommended; it provides coverage for a Cisco DNA Essentials and Advantage software licenses. Additional product-level hardware support options are available: Smart Net Total Care® support, partner service support, embedded support, and enhanced limited lifetime hardware warranty. Please note that if Solution Support is not selected, Cisco DNA Software subscription licenses can still be covered by selecting the embedded support option.

It is strongly recommended that the term of the hardware support contract match the software subscription license term to avoid any service support gaps for the duration of the term.

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Figures 3 through 6 describe the various service options for Cisco Catalyst 9300 Series switches.

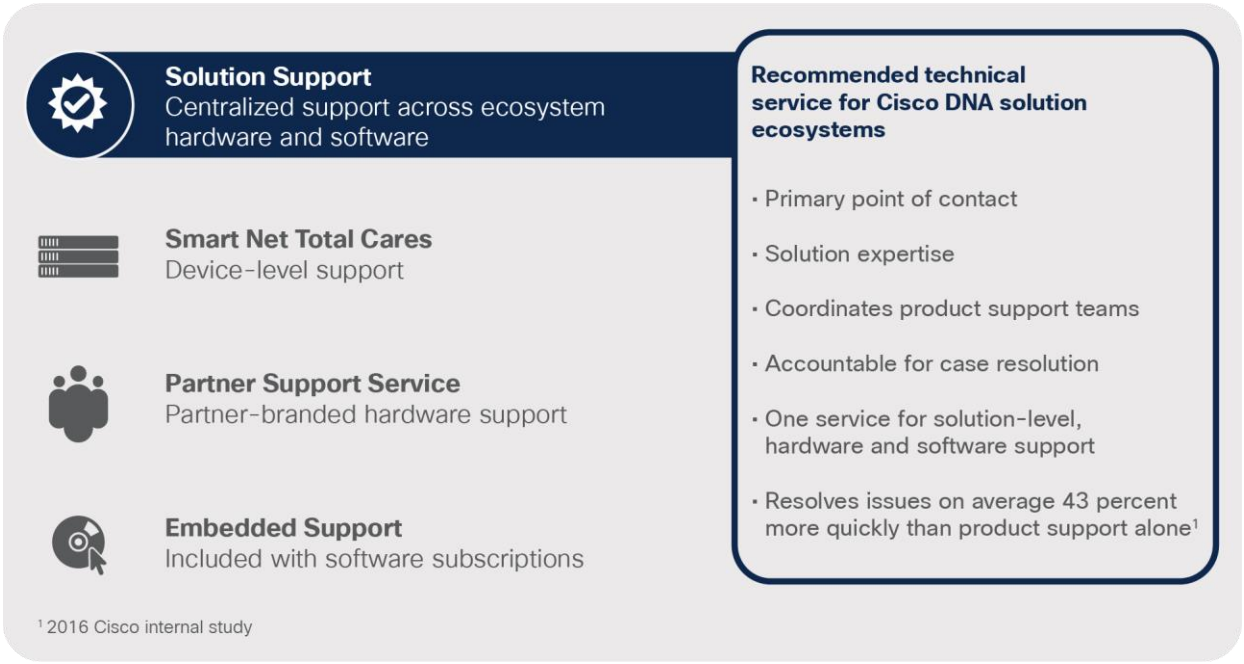

Figure 2.
Solution Support

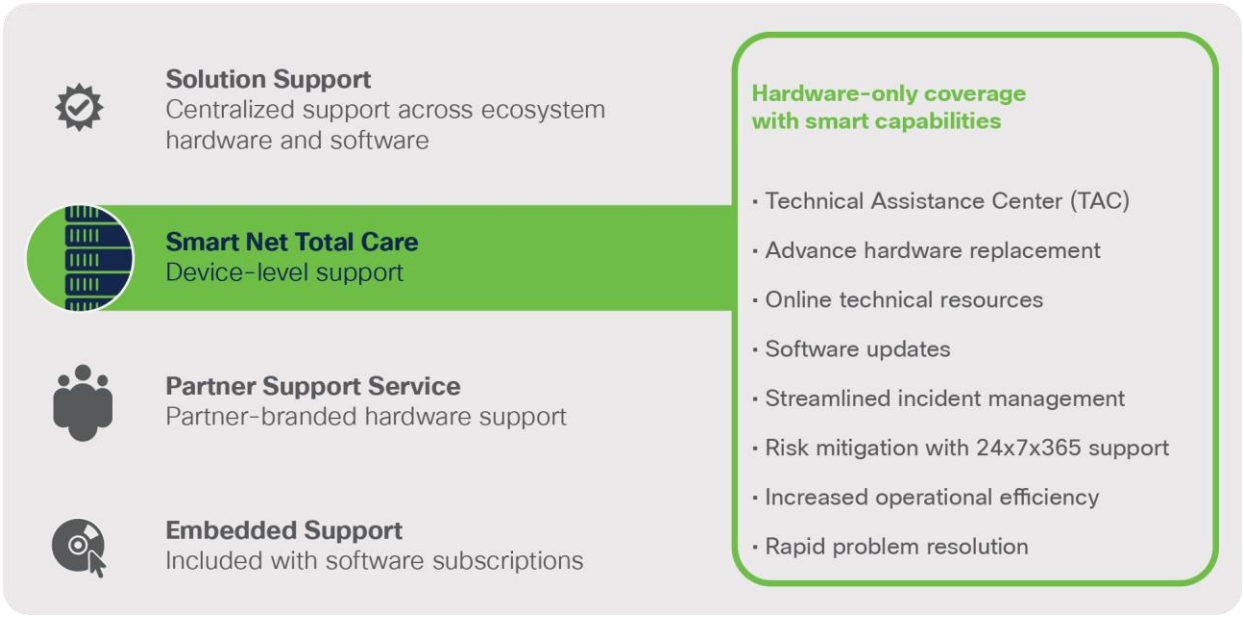

Figure 3.
Smart Net Total Care Support

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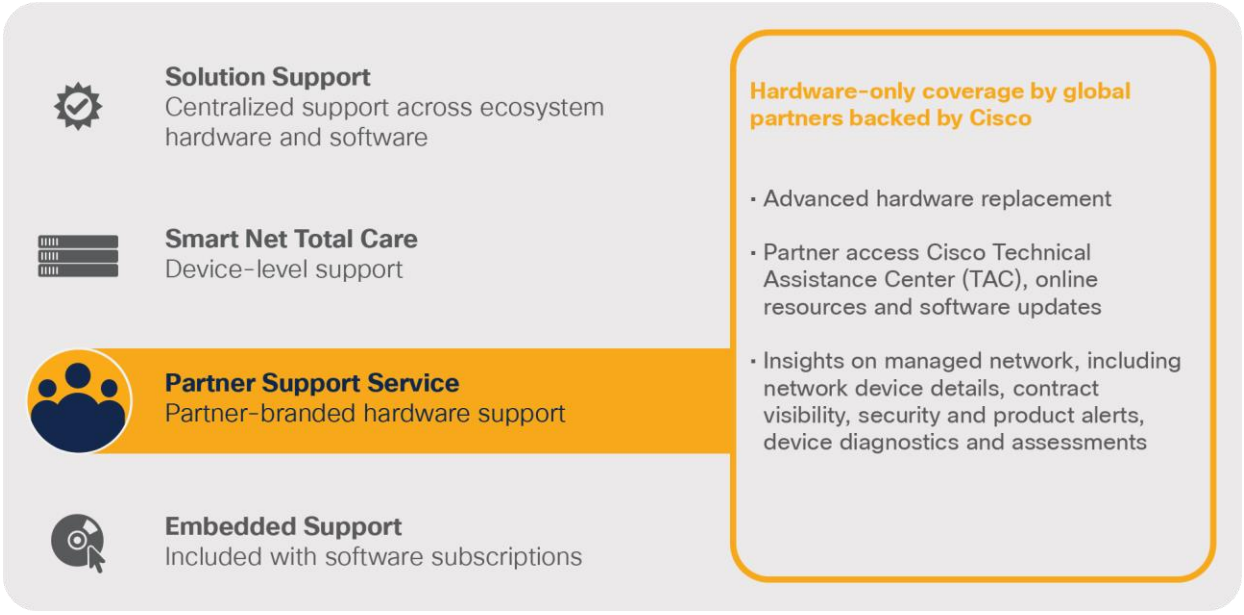

Figure 4.
Partner Support Service

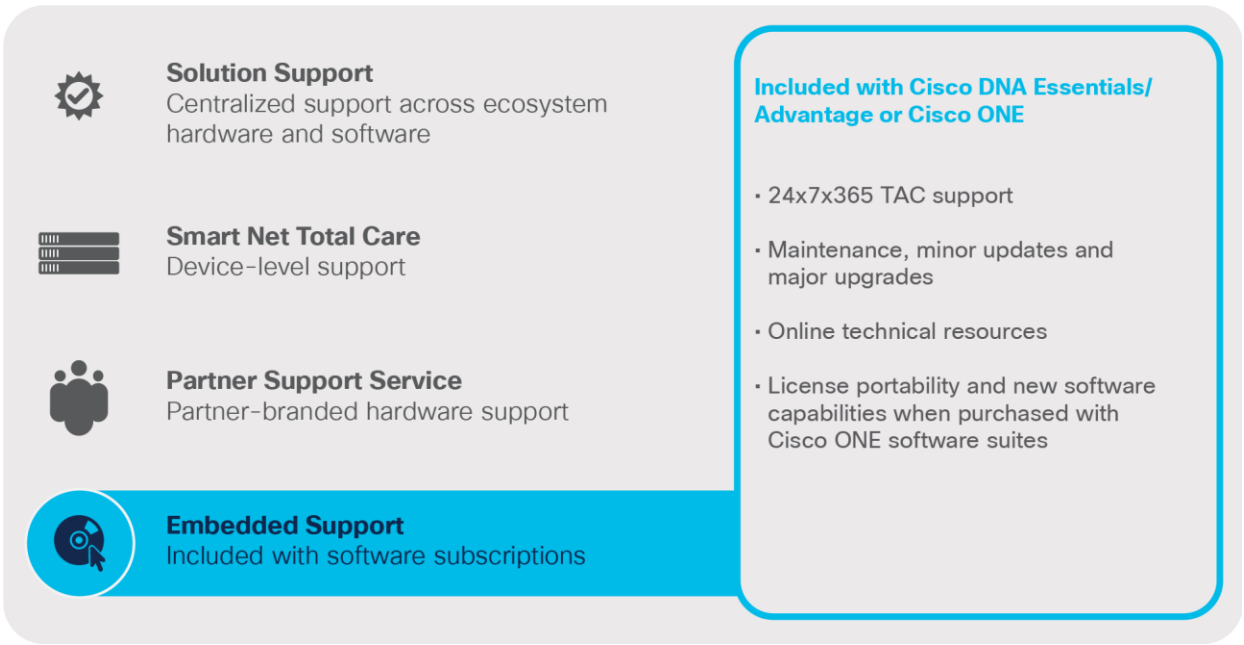

Figure 5.
Embedded Support

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Technical service features comparison

Service features	Enhanced limited lifetime warranty	Cisco smart net total care	Partner support service	Cisco solution support
Warranty: 90 days of Cisco TAC support; local business hours, 8x5	●			
Warranty: hardware replacement (next business day where available)	●			
Warranty: Duration is lifespan of hardware product	●			
Global 24x7 product-level technical support		●		●
24-hour access to Cisco® online resources		●		●
Hardware replacement (2- and 4-hour, next business day)		●		●
Network management / operating system software updates and upgrades		●		●
Proactive diagnostics/immediate alerts on devices through Cisco Smart Call Home		●		●
Web-based user community for self-service support of smart capabilities		●		●
Partner first line of response; Cisco second			●	
Distributor first line of response; Cisco second			●	
Primary point of contact with solution-level expertise				●
Accountability for issue resolution, no matter where it resides				●
Coordination between Cisco TAC and solution partner product support teams				●
Case management from first call to resolution				●
Differentiated delivery experience				●
JumpStart / Onboarding				●

Figure 6.
Technical Service Features Comparison

Cisco Enhanced Limited Lifetime Hardware Warranty

The Cisco Catalyst 9300 Series Switches come with an Enhanced Limited Lifetime hardware Warranty (E-LLW) that includes Next-Business-Day (NBD) delivery of replacement hardware where available and 90 days of 8 x 5 Cisco Technical Assistance Center (TAC) support.

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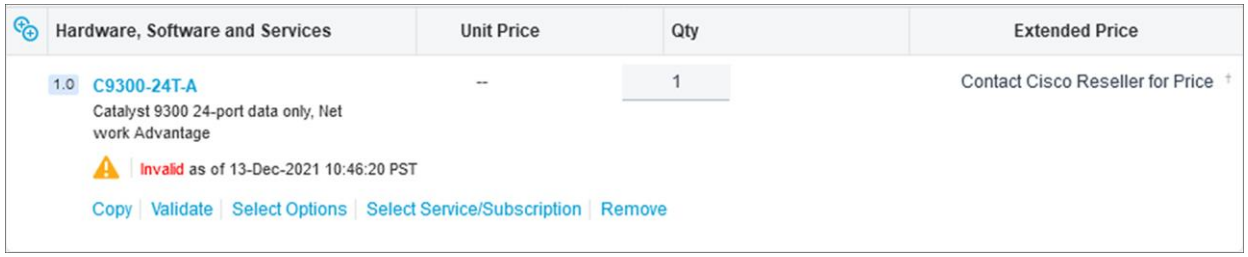
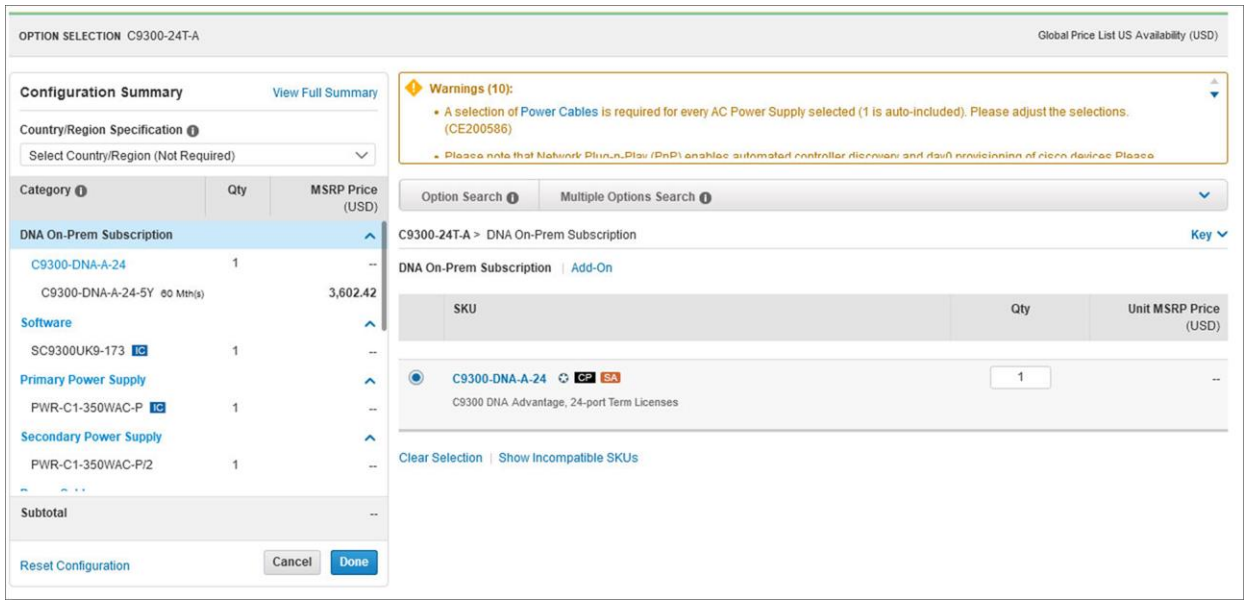
How to order Cisco Catalyst 9300 Series switches with services

Solution Support is the defaulted service. Customers can attach desired services by following the steps outlined below:

1. Customer will click “Edit Options”.



2. Customer will then configure the product. Cisco DNA Software subscription option will be chosen. Then click “Done”.



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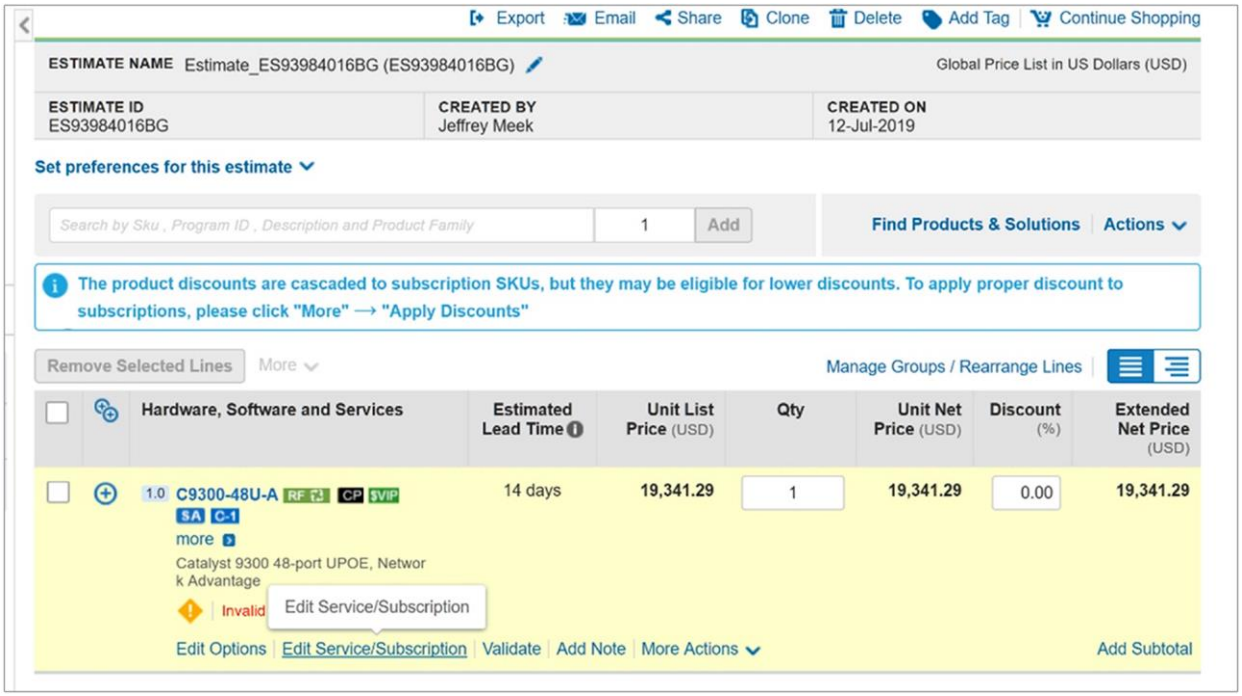
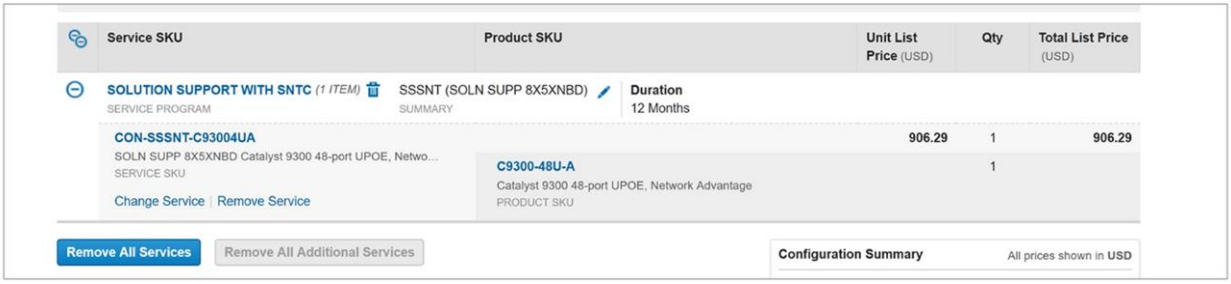
Customer will select “Edit Service/Subscription” to view and edit service options.



3. Customer will select “Change Services” to change services if needed.



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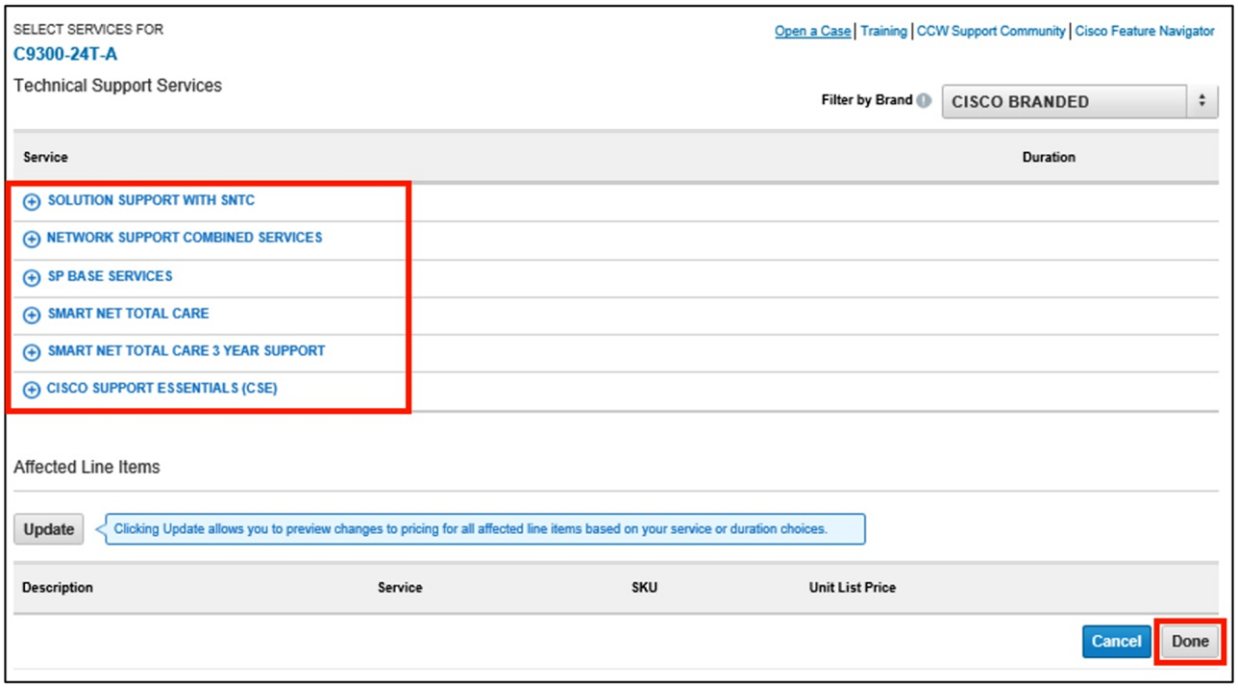
4. The customer can then choose from a variety of different service options. Click “Apply” the “Done” when finished.



How to order Cisco ThousandEyes internet and cloud intelligence with your existing Catalyst 9300 switches

Customers with existing Catalyst 9300 switches can claim the credits to Cisco ThousandEyes by following the steps mentioned in this document.

Link to CSSM Activation guide hosted on cisco.com

How to order Cisco DNA Spaces Indoor IoT Services with your Catalyst 9300 switches

Customers ordering new Catalyst 9300 switches with DNA Advantage licensing:

The Cisco DNA Spaces Onboarding team does proactive outreach to customers that order DNA Advantage on eligible 9300 switches. Customers may also contact the DNA Spaces team to request account activation by following the format below

Customers with existing Catalyst 9300 switches with DNA Advantage licensing:

Customers should contact the DNA Spaces team to request account activation. Customers contacting Cisco to activate a Cisco DNA Spaces account should provide the following information to the DNA Spaces Support and Onboarding team:

- Send email to dnaspaces@cisco.com
- Title the Subject Heading as “Activate Cisco DNA Spaces for Catalyst Switching”
- Provide Company / Account name

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- Smart account domain:
  - Contact name for Account Provisioning
  - Contact email for Account Provisioning
  - Contact phone for Account Provisioning
  - Quantity for activation: # of switches (based on quantity of DNA Advantage ordered)
  - Provide Web Order/ Sales #
  - New/Existing DNA Spaces account

Ordering information

Tables 2 through 6 provide ordering information for switches, network modules, stacking cables, Cisco DNA 24-port licenses, and Cisco DNA 48-port licenses, respectively.

Table 2. Switch ordering information

Product ID	Product Description
C9300X-48HX-E	Catalyst 9300 48-port 10G/mGig with modular uplink, UPOE+, Network Essentials
C9300X-48HX-A	Catalyst 9300 48-port 10G/mGig with modular uplink, UPOE+, Network Advantage
C9300X-48TX-E	Catalyst 9300 48-port 10G/mGig with modular uplink, data only, Network Essentials
C9300X-48TX-A	Catalyst 9300 48-port 10G/mGig with modular uplink, data only, Network Advantage
C9300X-48HXN-E	Catalyst 9300 36-port 5G/mGig, 12-port 10G with modular uplink, UPOE+, Network Essentials
C9300X-48HXN-A	Catalyst 9300 36-port 5G/mGig, 12-port 10G with modular uplink, UPOE+, Network Advantage
C9300X-24HX-E	Catalyst 9300 24-port 10G/mGig with modular uplink, UPOE+, Network Essentials
C9300X-24HX-A	Catalyst 9300 24-port 10G/mGig with modular uplink, UPOE+, Network Advantage
C9300X-12Y-E	Catalyst 9300 12-port 25G/10G/1G SFP28 with modular uplinks, Network Essentials
C9300X-12Y-A	Catalyst 9300 12-port 25G/10G/1G SFP28 with modular uplinks, Network Advantage
C9300X-24Y-E	Catalyst 9300 24-port 25G/10G/1G SFP28 with modular uplinks, Network Essentials
C9300X-24Y-A	Catalyst 9300 24-port 25G/10G/1G SFP28 with modular uplinks, Network Advantage
C9300-24T-E	Cisco Catalyst 9300 24-port data only, Network Essentials
C9300-24T-A	Cisco Catalyst 9300 24-port data only, Network Advantage
C9300-24P-E	Cisco Catalyst 9300 24-port PoE+, Network Essentials
C9300-24P-A	Cisco Catalyst 9300 24-port PoE+, Network Advantage
C9300-24U-E	Cisco Catalyst 9300 24-port UPOE, Network Essentials
C9300-24U-A	Cisco Catalyst 9300 24-port UPOE, Network Advantage

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Product ID	Product Description
C9300-24UX-E	Cisco Catalyst 9300 24-port mGig and UPOE, Network Essentials
C9300-24UX-A	Cisco Catalyst 9300 24-port mGig and UPOE, Network Advantage
C9300-48T-E	Cisco Catalyst 9300 48-port data only, Network Essentials
C9300-48T-A	Cisco Catalyst 9300 48-port data only, Network Advantage
C9300-48P-E	Cisco Catalyst 9300 48-port PoE+, Network Essentials
C9300-48P-A	Cisco Catalyst 9300 48-port PoE+, Network Advantage
C9300-48U-E	Cisco Catalyst 9300 48-port UPOE, Network Essentials
C9300-24S-E	Cisco Catalyst 9300 24-port modular uplinks 1G SFP, Network Essentials
C9300-24S-A	Cisco Catalyst 9300 24-port modular uplinks 1G SFP, Network Advantage
C9300-48S-E	Cisco Catalyst 9300 48-port modular uplinks 1G SFP, Network Essentials
C9300-48S-A	Cisco Catalyst 9300 48-port modular uplinks 1G SFP, Network Advantage
C9300L-24T-4G-E	Catalyst 9300 24-port fixed uplinks data only, 4X1G uplinks, Network Essentials
C9300L-24T-4G-A	Catalyst 9300 24-port fixed uplinks data only, 4X1G uplinks, Network Advantage
C9300L-24P-4G-E	Catalyst 9300 24-port fixed uplinks PoE+, 4X1G uplinks, Network Essentials
C9300L-24P-4G-A	Catalyst 9300 24-port fixed uplinks PoE+, 4X1G uplinks, Network Advantage
C9300L-48T-4G-E	Catalyst 9300 48-port fixed uplinks data only, 4X1G uplinks, Network Essentials
C9300L-48T-4G-A	Catalyst 9300 48-port fixed uplinks data only, 4X1G uplinks, Network Advantage
C9300L-48P-4G-E	Catalyst 9300 48-port fixed uplinks PoE+, 4X1G uplinks, Network Essentials
C9300L-48P-4G-A	Catalyst 9300 48-port fixed uplinks PoE+, 4X1G uplinks, Network Advantage
C9300L-24T-4X-E	Catalyst 9300 24-port fixed uplinks data only, 4X10G uplinks, Network Essentials
C9300L-24T-4X-A	Catalyst 9300 24-port fixed uplinks data only, 4X10G uplinks, Network Advantage
C9300L-24P-4X-E	Catalyst 9300 24-port fixed uplinks PoE+, 4X10G uplinks, Network Essentials
C9300L-24P-4X-A	Catalyst 9300 24-port fixed uplinks PoE+, 4X10G uplinks, Network Advantage
C9300L-48T-4X-E	Catalyst 9300 48-port fixed uplinks data only, 4X10G uplinks, Network Essentials
C9300L-48T-4X-A	Catalyst 9300 48-port fixed uplinks data only, 4X10G uplinks, Network Advantage
C9300L-48P-4X-E	Catalyst 9300 48-port fixed uplinks PoE+, 4X10G uplinks, Network Essentials
C9300L-48P-4X-A	Catalyst 9300 48-port fixed uplinks PoE+, 4X10G uplinks, Network Advantage

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Table 3. Network Module Ordering information

Product ID	Product Description
C9300X-NM-8M	Catalyst 9300 8 x 10G mGig Network Module
C9300X-NM-8M=	Catalyst 9300 8 x 10G mGig Network Module, spare
C9300X-NM-8Y	Catalyst 9300 8 x 25G/10G/1G multi-rate SFP Network Module
C9300X-NM-8Y=	Catalyst 9300 8 x 25G/10G/1G multi-rate SFP Network Module, spare
C9300X-NM-2C	Catalyst 9300 2 x 100G/40G dual rate QSFP Network Module
C9300X-NM-2C=	Catalyst 9300 2 x 100G/40G dual rate QSFP Network Module, spare
C9300X-NM-4C	Catalyst 9300 4 x 100G/40G dual rate QSFP Network Module
C9300X-NM-4C=	Catalyst 9300 4 x 100G/40G dual rate QSFP Network Module, spare
C9300-NM-4G	Cisco Catalyst 9300 4 x 1GE network module
C9300-NM-4G=	Cisco Catalyst 9300 4 x 1GE network module, spare
C9300-NM-8X	Cisco Catalyst 9300 8 x 10GE network module
C9300-NM-8X=	Cisco Catalyst 9300 8 x 10GE network module, spare
C9300-NM-2Q	Cisco Catalyst 9300 2 x 40GE network module
C9300-NM-2Q=	Cisco Catalyst 9300 2 x 40GE network module, spare
NM-BLANK-T1=	Cisco Catalyst Type 1 Network Module Blank, spare

Table 4. Stacking Cable Ordering information

Product ID	Product Description
Catalyst 9300 Series switches: modular uplink models (C9300 SKUs)	
STACK-T1-50CM	50CM type 1 stacking cable
STACK-T1-50CM=	50CM type 1 stacking cable, spare
STACK-T1-1M	1M type 1 stacking cable
STACK-T1-1M=	1M type 1 stacking cable, spare
STACK-T1-3M	3M type 1 stacking cable
STACK-T1-3M=	3M type 1 stacking cable, spare

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Product ID	Product Description
Catalyst 9300 Series switches: fixed uplink models (C9300L SKUs)	
C9300L-STACK-KIT	Stacking Kit – includes 2 Stack Adaptors and 1 Stack Cable (50cm by default)
STACK-T3-50CM	50CM type 1 stacking cable
STACK-T3-50CM=	50CM type 1 stacking cable, spare
STACK-T3-1M	1M type 1 stacking cable
STACK-T3-1M=	1M type 1 stacking cable, spare
STACK-T3-3M	3M type 1 stacking cable
STACK-T3-3M=	3M type 1 stacking cable, spare

Software SKUs

Table 5. Cisco DNA 24-Port License Ordering Information

License Type	SKU	Description
Catalyst 9300 Switches: modular uplink models (C9300 SKUs)		
Essentials	C9300-DNA-E-24	C9300 Cisco DNA Essentials, 24-port term licenses
	C9300-DNA-E-24-3Y	C9300 Cisco DNA Essentials, 24-port, 3-year term license
	C9300-DNA-E-24-5Y	C9300 Cisco DNA Essentials, 24-port, 5-year term license
	C9300-DNA-E-24-7Y	C9300 Cisco DNA Essentials, 24-port, 7-year term license
Advantage	C9300-DNA-A-24	C9300 Cisco DNA Advantage, 24-port term licenses
	C9300-DNA-A-24-3Y	C9300 Cisco DNA Advantage, 24-port, 3-year term license
	C9300-DNA-A-24-5Y	C9300 Cisco DNA Advantage, 24-port, 5-year term license
	C9300-DNA-A-24-7Y	C9300 Cisco DNA Advantage, 24-port, 7-year term license
Catalyst 9300 Switches: 1G Fiber modular uplink models (C9300 SKUs)		
Essentials	C9300-DNA-E-24S	C9300 Cisco DNA Essentials, 24-port term licenses
	C9300-DNA-E-24S-3Y	C9300 Cisco DNA Essentials, 24-port, 3-year term license
	C9300-DNA-E-24S-5Y	C9300 Cisco DNA Essentials, 24-port, 5-year term license
	C9300-DNA-E-24S-7Y	C9300 Cisco DNA Essentials, 24-port, 7-year term license

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License Type	SKU	Description
Advantage	C9300-DNA-A-24S	C9300 Cisco DNA Advantage, 24-port term licenses
	C9300-DNA-A-24S-3Y	C9300 Cisco DNA Advantage, 24-port, 3-year term license
	C9300-DNA-A-24S-5Y	C9300 Cisco DNA Advantage, 24-port, 5-year term license
	C9300-DNA-A-24S-7Y	C9300 Cisco DNA Advantage, 24-port, 7-year term license
Catalyst 9300L Switches:		
Essentials	C9300L-DNA-E-24	C9300L Cisco DNA Essentials, 24-port term licenses
	C9300L-DNA-E-24-3Y	C9300L Cisco DNA Essentials, 24-port, 3-year term license
	C9300L-DNA-E-24-5Y	C9300L Cisco DNA Essentials, 24-port, 5-year term license
	C9300L-DNA-E-24-7Y	C9300L Cisco DNA Essentials, 24-port, 7-year term license
Advantage	C9300L-DNA-A-24	C9300L Cisco DNA Advantage, 24-port term licenses
	C9300L-DNA-A-24-3Y	C9300L Cisco DNA Advantage, 24-port, 3-year term license
	C9300L-DNA-A-24-5Y	C9300L Cisco DNA Advantage, 24-port, 5-year term license
	C9300L-DNA-A-24-7Y	C9300L Cisco DNA Advantage, 24-port, 7-year term license

Table 6. Cisco DNA 48-Port License Ordering Information

License Type	SKU	Description
Catalyst 9300 Switches: modular uplink models (C9300 SKUs)		
Essentials	C9300-DNA-E-48	C9300 Cisco DNA Essentials, 48-port term licenses
	C9300-DNA-E-48-3Y	C9300 Cisco DNA Essentials, 48-port, 3-year term license
	C9300-DNA-E-48-5Y	C9300 Cisco DNA Essentials, 48-port, 5-year term license
	C9300-DNA-E-48-7Y	C9300 Cisco DNA Essentials, 48-port, 7-year term license
Advantage	C9300-DNA-A-48	C9300 Cisco DNA Advantage, 48-port term licenses
	C9300-DNA-A-48-3Y	C9300 Cisco DNA Advantage, 48-port, 3-year term license
	C9300-DNA-A-48-5Y	C9300 Cisco DNA Advantage, 48-port, 5-year term license
	C9300-DNA-A-48-7Y	C9300 Cisco DNA Advantage, 48-port, 7-year term license

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License Type	SKU	Description
Catalyst 9300 Switches: 1G Fiber modular uplink models (C9300 SKUs)		
Essentials	C9300-DNA-E-48S	C9300 Cisco DNA Essentials, 48-port term licenses
	C9300-DNA-E-48S-3Y	C9300 Cisco DNA Essentials, 48-port, 3-year term license
	C9300-DNA-E-48S-5Y	C9300 Cisco DNA Essentials, 48-port, 5-year term license
	C9300-DNA-E-48S-7Y	C9300 Cisco DNA Essentials, 48-port, 7-year term license
Advantage	C9300-DNA-A-48S	C9300 Cisco DNA Advantage, 48-port term licenses
	C9300-DNA-A-48S-3Y	C9300 Cisco DNA Advantage, 48-port, 3-year term license
	C9300-DNA-A-48S-5Y	C9300 Cisco DNA Advantage, 48-port, 5-year term license
	C9300-DNA-A-48S-7Y	C9300 Cisco DNA Advantage, 48-port, 7-year term license
Catalyst 9300 Switches: fixed uplink models (C9300L SKUs)		
Essentials	C9300L-DNA-E-48	C9300L Cisco DNA Essentials, 48-port term licenses
	C9300L-DNA-E-48-3Y	C9300L Cisco DNA Essentials, 48-port, 3-year term license
	C9300L-DNA-E-48-5Y	C9300L Cisco DNA Essentials, 48-port, 5-year term license
	C9300L-DNA-E-48-7Y	C9300L Cisco DNA Essentials, 48-port, 7-year term license
Advantage	C9300L-DNA-A-48	C9300L Cisco DNA Advantage, 48-port term licenses
	C9300L-DNA-A-48-3Y	C9300L Cisco DNA Advantage, 48-port, 3-year term license
	C9300L-DNA-A-48-5Y	C9300L Cisco DNA Advantage, 48-port, 5-year term license
	C9300L-DNA-A-48-7Y	C9300L Cisco DNA Advantage, 48-port, 7-year term license

Table 7. Cisco DNA Ordering Information for 25G/10G SFP+ modular unplink models (C9300X SKUs)

License Type	SKU	Description
Catalyst 9300 Switches: 12 and 24 port 25G/10G SFP+, 24 port 10G mGig modular uplink models (C9300X SKUs)		
Essentials	C9300X-DNA-12Y-E, C9300X-DNA-24Y-E, C9300X-DNA-24HX-E	C9300 Cisco DNA Essentials, term license
	C9300-DNA-L-E-3Y	C9300 Cisco DNA Essentials license (3Y) for 12Y, 24Y, 24HX SKUs
	C9300-DNA-L-E-5Y	C9300 Cisco DNA Essentials license (5Y) for 12Y, 24Y, 24HX SKUs
	C9300-DNA-L-E-7Y	C9300 Cisco DNA Essentials license (7Y) for 12Y, 24Y, 24HX SKUs

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License Type	SKU	Description
Advantage	C9300X-DNA-12Y-A	C9300 Cisco DNA Advantage, term license
	C9300-DNA-L-A-3Y	C9300 Cisco DNA Advantage license (3Y) for 12Y, 24Y, 24HX SKUs
	C9300-DNA-L-A-5Y	C9300 Cisco DNA Advantage license (5Y) for 12Y, 24Y, 24HX SKUs
	C9300-DNA-L-A-7Y	C9300 Cisco DNA Advantage license (7Y) for 12Y, 24Y, 24HX SKUs
Catalyst 9300 Switches: 48 port 10G copper modular uplink models (C9300X SKUs)		
Essentials	C9300X-DNA-48HX-E, C9300X-DNA-48HXN, C9300X-DNA-48TX	C9300 Cisco DNA Essentials, term license
	C9300-DNA-E-3Y	C9300 Cisco DNA Essentials license (3Y) for 48HX, 48HXN, 48T SKUs
	C9300-DNA-E-5Y	C9300 Cisco DNA Essentials license (5Y) for 48HX, 48HXN, 48T SKUs
	C9300-DNA-E-7Y	C9300 Cisco DNA Essentials license (7Y) for 48HX, 48HXN, 48T SKUs
Advantage	C9300X-DNA-24Y-A	C9300 Cisco DNA Advantage, term license
	C9300-DNA-A-3Y	C9300 Cisco DNA Advantage license (3Y) for 48HX, 48HXN, 48T SKUs
	C9300-DNA-A-5Y	C9300 Cisco DNA Advantage license (5Y) for 48HX, 48HXN, 48T SKUs
	C9300-DNA-A-7Y	C9300 Cisco DNA Advantage license (7Y) for 48HX, 48HXN, 48T SKUs

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Cisco Catalyst 9300 Series software license ordering information

Tables 8 and 9 provide license upgrade ordering information.

Table 8. Cisco Catalyst 9300 24-Port License Upgrade

License Type	SKU	Description
License PID	**C9300-LIC=**	**Electronic Software License for Cisco Catalyst 9300 Series switches (C9300 SKUs)**
License level upgrade-Essentials to Advantage (on both NW stack and Cisco DNA)	C9300-24-E-A-3	24-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade license (3Y)
	C9300-24-E-A-5	24-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade license (5Y)
	C9300-24-E-A-7	24-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade license (7Y)
License PID	**C9300L-LIC=**	**Electronic SW License for Cisco Catalyst 9300 Series switches (C9300L SKUs)**
License level upgrade-Essentials to Advantage (on both NW stack and Cisco DNA)	**C9300L-24-E-A-3**	**24-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade license (3Y)**
	C9300L-24-E-A-5	**24-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade license (5Y)**
	C9300L-24-E-A-7	**24-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade license (7Y)**

Table 9. Cisco Catalyst 9300 48 Port license upgrade

License Type	SKU	Description
License PID	**C9300-LIC=**	**Electronic SW License for Cisco Catalyst 9300 Series modular uplink models (C9300 SKUs)**
License level upgrade-Essentials to Advantage (on both NW stack and Cisco DNA)	C9300-48-E-A-3	48-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade License (3Y)
	C9300-48-E-A-5	48-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade License (5Y)
	C9300-48-E-A-7	48-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade License (7Y)
License PID	C9300L-LIC=	Electronic SW License for Cisco Catalyst 9300 Series fixed uplink models (C9300L SKUs)

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License Type	SKU	Description
License level upgrade-Essentials to Advantage (on both NW stack and Cisco DNA)	C9300L-48-E-A-3	48-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade License (3Y)
	C9300L-48-E-A-5	48-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade License (5Y)
	C9300L-48-E-A-7	48-port NW & Cisco DNA Essentials to NW & Cisco DNA Advantage upgrade License (7Y)

Cisco Catalyst 9300 Series hardware to Cisco DNA Software subscription license mapping

Table 10. Hardware to Cisco DNA Software subscription license mapping

Catalyst 9300 Series switch		Cisco DNA PID	Cisco DNA term license options (one must be selected)
Cisco Catalyst 9300X 12 and 24 port modular uplink models, Cisco DNA Essentials Software licenses			
C9300X-12Y-E **C9300X-24Y-E** **C9300X-24HX-E**	Cisco DNA Essentials	C9300X-DNA-12Y-E C9300X-DNA-24Y-E	C9300-DNA-L-E-3Y C9300-DNA-L-E-5Y C9300-DNA-L-E-7Y
Cisco Catalyst 9300X 12 and 24 port modular uplink models, Cisco DNA Advantage Software licenses			
C9300X-12Y-A **C9300X-24Y-A** **C9300X-24HX-A**	Cisco DNA Advantage	C9300X-DNA-12Y-A C9300X-DNA-24Y-A	C9300-DNA-L-A-3Y C9300-DNA-L-A-5Y C9300-DNA-L-A-7Y
Cisco Catalyst 9300X 48 port modular uplink models, Cisco DNA Essentials Software licenses			
C9300X-48HX-E **C9300X-48HXN-E** **C9300X-48TX-E**	Cisco DNA Essentials	C9300-DNA-E-48	C9300-DNA-E-48-3Y C9300-DNA-E-48-5Y C9300-DNA-E-48-7Y C9300-DNA-E-48-3Y= C9300-DNA-E-48-5Y= C9300-DNA-E-48-7Y=
Cisco Catalyst 9300X 48 port modular uplink models, Cisco DNA Advantage Software licenses			
C9300X-48HX-A **C9300X-48HXN-A** **C9300X-48TX-A**	Cisco DNA Advantage	C9300-DNA-A-48	C9300-DNA-A-48-3Y C9300-DNA-A-48-5Y C9300-DNA-A-48-7Y C9300-DNA-A-48-3Y= C9300-DNA-A-48-5Y= C9300-DNA-A-48-7Y=

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Catalyst 9300 Series switch		Cisco DNA PID	Cisco DNA term license options (one must be selected)
Cisco Catalyst 9300 Series 48 port modular uplink models, Cisco DNA Essentials Software licenses			
C9300-48T-E **C9300-48P-E** **C9300-48U-E** **C9300-48UXM-E**	Cisco DNA Essentials	C9300-DNA-E-48	C9300-DNA-E-48-3Y C9300-DNA-E-48-5Y C9300-DNA-E-48-7Y C9300-DNA-E-48-3Y= C9300-DNA-E-48-5Y= C9300-DNA-E-48-7Y=
Cisco Catalyst 9300 Series 48 port modular uplink models, Cisco DNA Advantage Software licenses			
C9300-48T-A **C9300-48P-A** **C9300-48U-A** **C9300-48UXM-A**	Cisco DNA Advantage	C9300-DNA-A-48	C9300-DNA-A-48-3Y C9300-DNA-A-48-5Y C9300-DNA-A-48-7Y C9300-DNA-A-48-3Y= C9300-DNA-A-48-5Y= C9300-DNA-A-48-7Y=
Cisco Catalyst 9300 Series 1G Fiber 48 port modular uplink models, Cisco DNA Advantage Software licenses			
C9300-48S-A	Cisco DNA Advantage	C9300-DNA-A-48S	C9300-DNA-A-48S-3Y C9300-DNA-A-48S-5Y C9300-DNA-A-48S-7Y C9300-DNA-A-48S-3Y= C9300-DNA-A-48S-5Y= C9300-DNA-A-48S-7Y=
Cisco Catalyst 9300 Series 24 port modular uplink models, Cisco DNA Essentials Software licenses			
C9300-24T-E **C9300-24P-E** **C9300-24U-E** **C9300-24UX-E**	Cisco DNA Essentials	C9300-DNA-E-24	C9300-DNA-E-24-3Y C9300-DNA-E-24-5Y C9300-DNA-E-24-7Y C9300-DNA-E-24-3Y= C9300-DNA-E-24-5Y= C9300-DNA-E-24-7Y=

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Catalyst 9300 Series switch		Cisco DNA PID	Cisco DNA term license options (one must be selected)
Cisco Catalyst 9300 Series 1G Fiber 24 port modular uplink models, Cisco DNA Essentials Software licenses			
C9300-24S-E	Cisco DNA Essentials	C9300-DNA-E-24S	C9300-DNA-E-24S-3Y C9300-DNA-E-24S-5Y C9300-DNA-E-24S-7Y C9300-DNA-E-24S-3Y= C9300-DNA-E-24S-5Y= C9300-DNA-E-24S-7Y=
Cisco Catalyst 9300 Series 24 port modular uplink models, Cisco DNA Advantage Software licenses			
C9300-24T-A **C9300-24P-A** **C9300-24U-A** **C9300-24UX-A**	Cisco DNA Advantage	C9300-DNA-A-24	C9300-DNA-A-24-3Y C9300-DNA-A-24-5Y C9300-DNA-A-24-7Y C9300-DNA-A-24-3Y= C9300-DNA-A-24-5Y= C9300-DNA-A-24-7Y=
Cisco Catalyst 9300 Series 48 port fixed uplink models, Cisco DNA Essentials Software licenses			
C9300L-48T-4G-E **C9300L-48P-4G-E** **C9300L-48T-4X-E** **C9300L-48P-4X-E**	Cisco DNA Essentials	C9300L-DNA-E-48	C9300L-DNA-E-48-3Y C9300L-DNA-E-48-5Y C9300L-DNA-E-48-7Y C9300L-DNA-E-48-3Y= C9300L-DNA-E-48-5Y= C9300L-DNA-E-48-7Y=
Cisco Catalyst 9300 Series 48 port fixed uplink models, Cisco DNA Advantage Software licenses			
C9300L-48T-4G-A **C9300L-48P-4G-A** **C9300L-48T-4X-A** **C9300L-48P-4X-A**	Cisco DNA Advantage	C9300L-DNA-A-48	C9300L-DNA-A-48-3Y C9300L-DNA-A-48-5Y C9300L-DNA-A-48-7Y C9300L-DNA-A-48-3Y= C9300L-DNA-A-48-5Y= C9300L-DNA-A-48-7Y=

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Catalyst 9300 Series switch		Cisco DNA PID	Cisco DNA term license options (one must be selected)
Cisco Catalyst 9300 Series 24 port fixed uplink models, Cisco DNA Essentials Software licenses			
C9300L-24T-4G-E **C9300L-24P-4G-E** **C9300L-24T-4X-E** **C9300L-24P-4X-E**	Cisco DNA Essentials	C9300L-DNA-E-24	C9300L-DNA-E-24-3Y C9300L-DNA-E-24-5Y C9300L-DNA-E-24-7Y C9300L-DNA-E-24-3Y= C9300L-DNA-E-24-5Y= C9300L-DNA-E-24-7Y=
Cisco Catalyst 9300 Series 24 port fixed uplink models, Cisco DNA Advantage Software licenses			
C9300L-24T-4G-A **C9300L-24P-4G-A** **C9300L-24T-4X-A** **C9300L-24P-4X-A**	Cisco DNA Advantage	C9300L-DNA-A-24	C9300L-DNA-A-24-3Y C9300L-DNA-A-24-5Y C9300L-DNA-A-24-7Y C9300L-DNA-A-24-3Y= C9300L-DNA-A-24-5Y= C9300L-DNA-A-24-7Y=

Distribution ordering addendum

This section details the steps necessary to order Cisco Catalyst 9300 Switches through distribution partners.

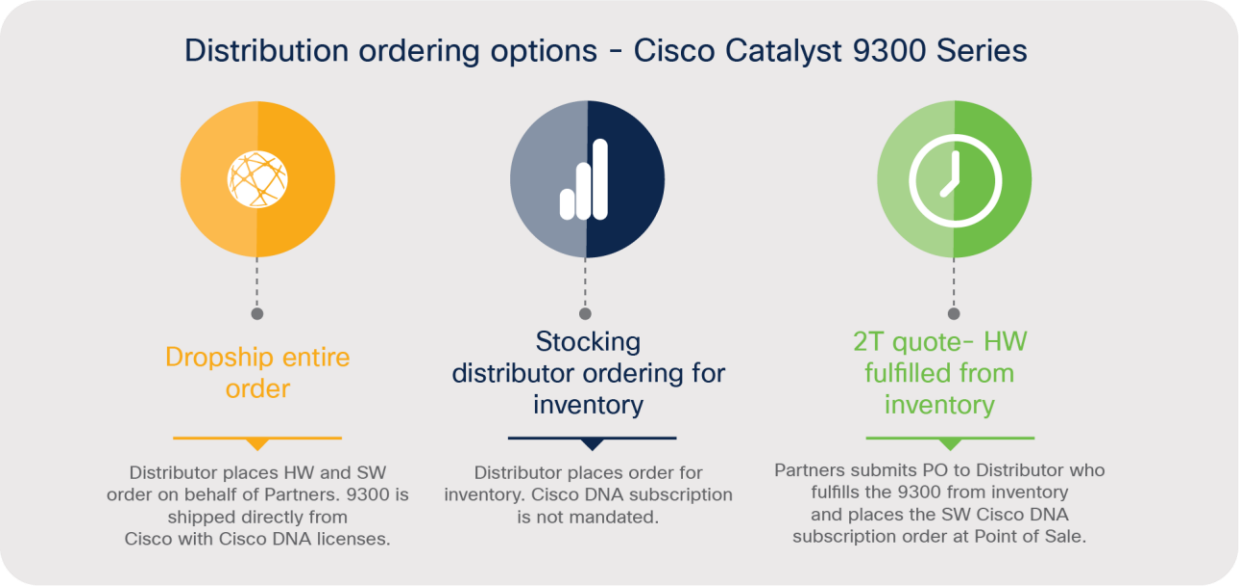

Figure 7.
Distribution ordering options for Cisco Catalyst 9300 Series switches

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Cisco Catalyst 9300 Series switches for stocking

By selecting “Stocking” as “Intended Use”, the system will show only hardware and does not include the Cisco DNA subscription (the subscription must be ordered at point of sale).

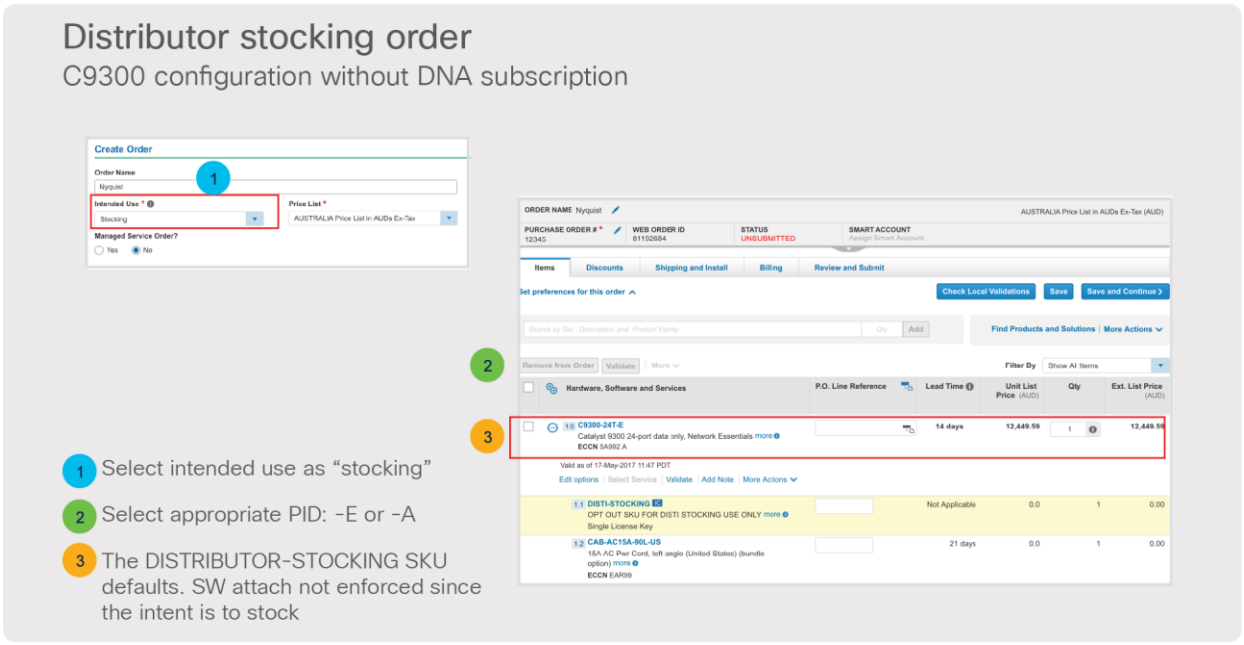

Figure 8.
Distributor ordering Cisco Catalyst 9300 Series switches for stocking

Figure 9 shows the scenario where the distributor will dropship the entire order from Cisco to the end customer. The intended-use drop-down menu is set to Resale, which allows the default options for hardware support and software to become available. Hardware support can be changed to premium Solution Support or Smart Net Total Care, or it can be removed completely.

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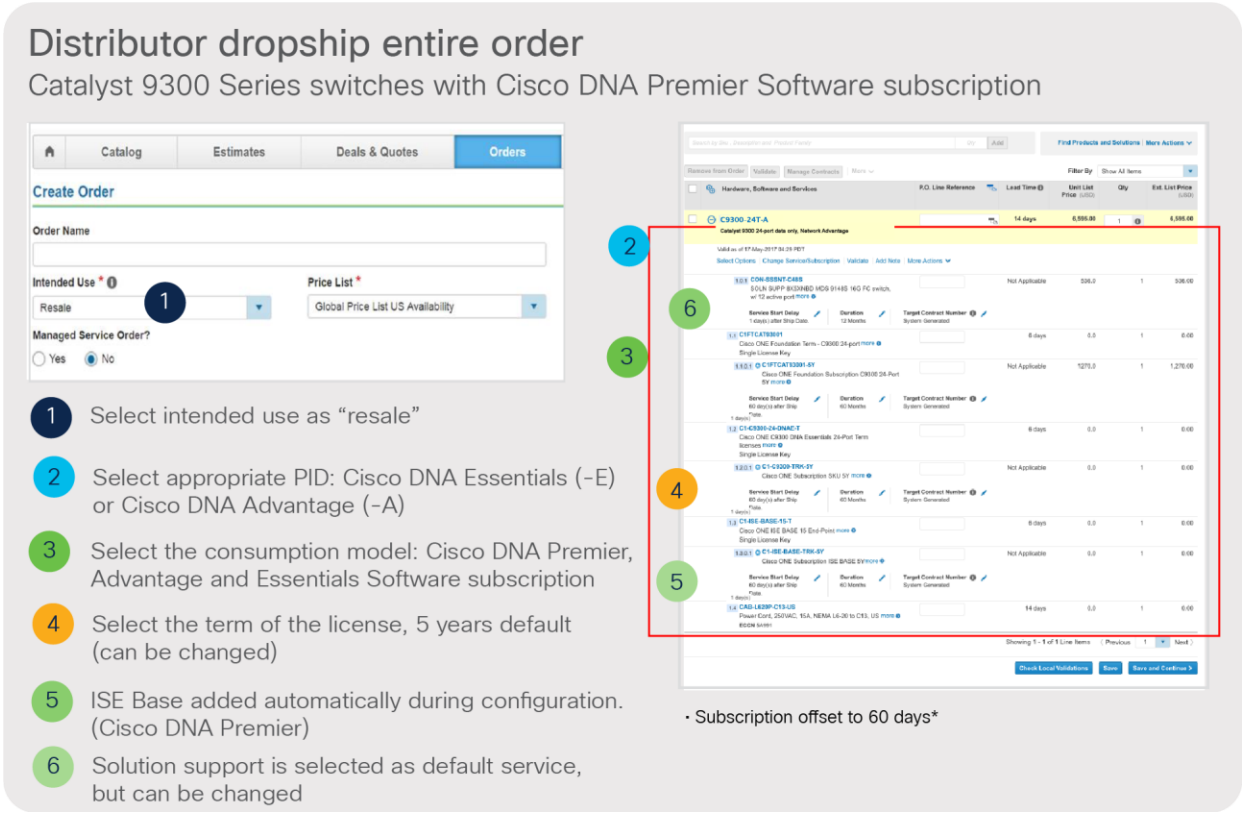

Figure 9.
Distributor drop shipping the entire order

Figure 10 shows the distributor drop-shipping the entire order from Cisco to the end customer using Cisco DNA Essentials or Advantage software subscriptions.

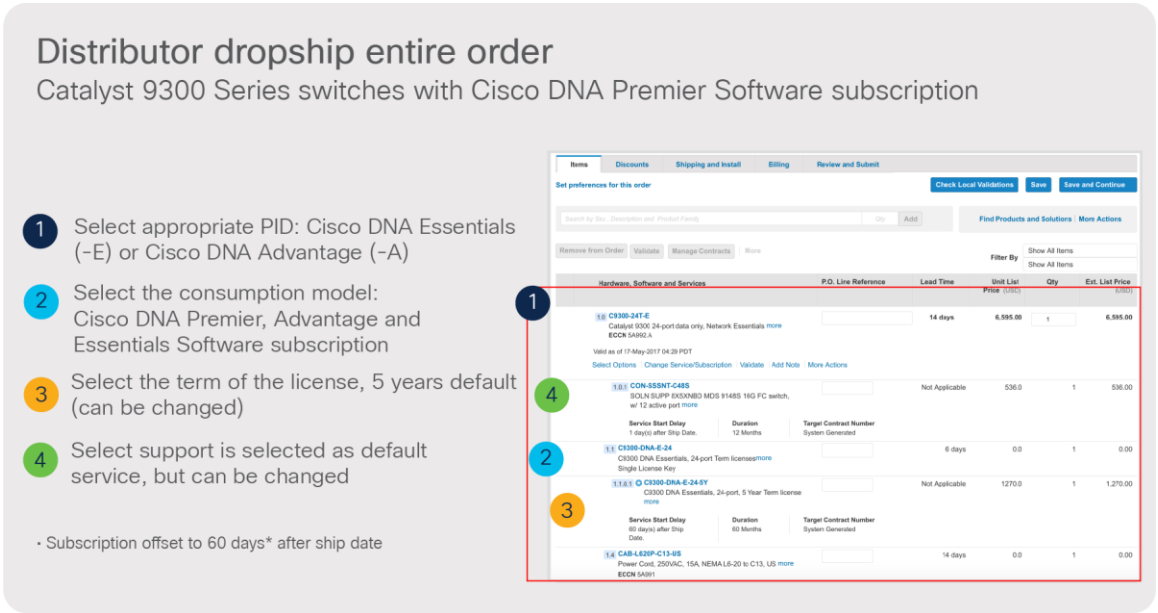

Figure 10.
Distributor drop-shipping entire Cisco Catalyst 9300 Series switch Cisco DNA Essentials or Advantage software subscription order

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Figure 11 shows the partner quote request to the distributor. The distributor can choose to fulfill the entire order by drop-shipping or fulfill the hardware from stock and create a dropship order for Cisco DNA software.

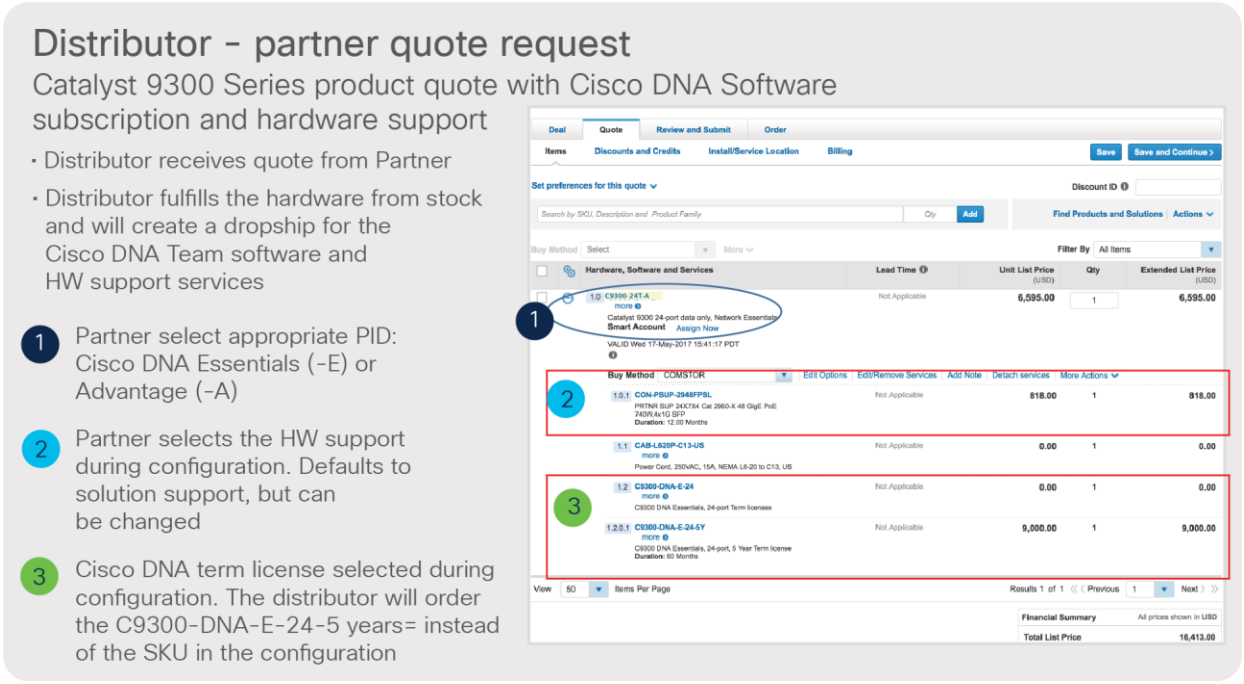

Figure 11.
Distributor fulfilling partner quote

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Figure 12 shows the distributor using either the Cisco DNA Essentials or Advantage subscription option when fulfilling software as dropship.

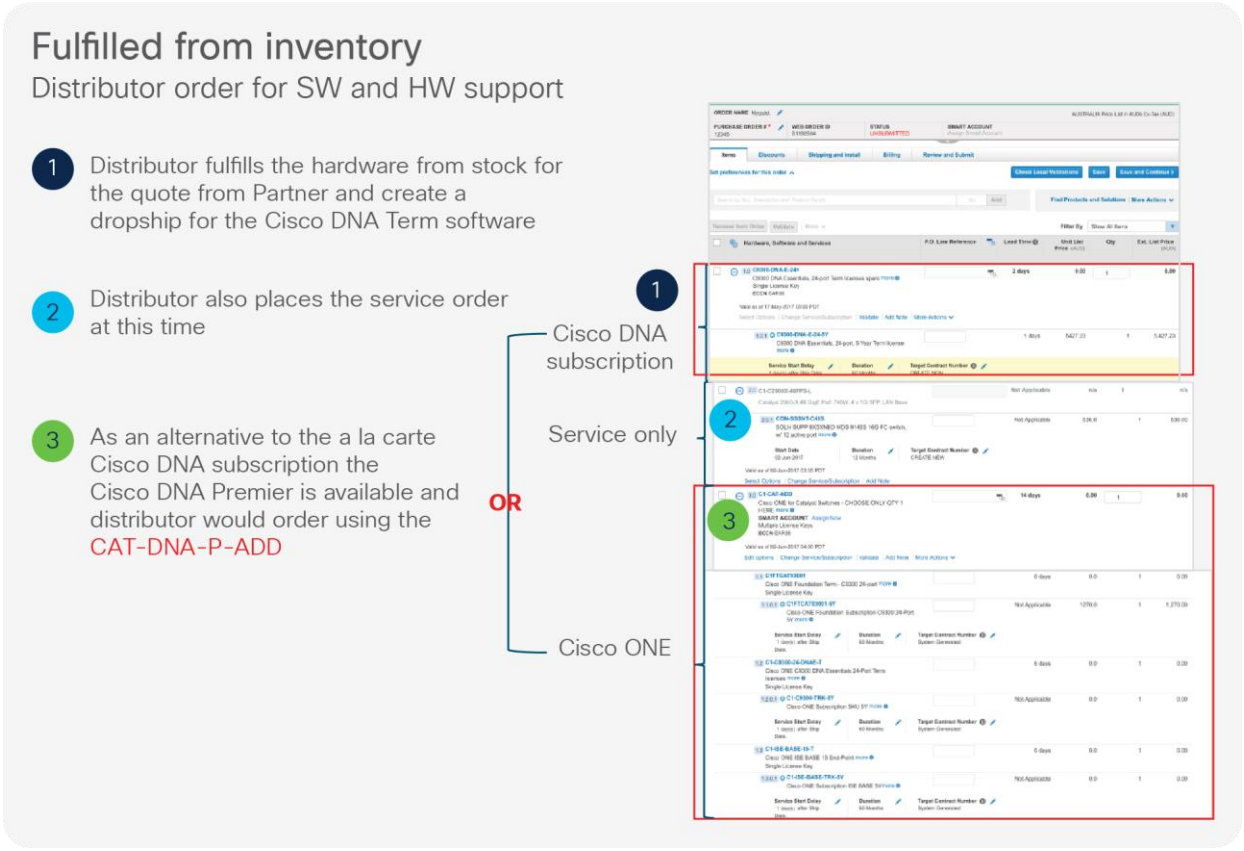

Figure 12.
Distributor drop-shipping software only

Figure 13 shows the SKUs that the distributor has to use when ordering software as a dropship in Cisco DNA Essentials or Advantage subscription option scenarios.

SKU details for distributor ordering software as dropship

	A la Carte		
Product type	Reseller quote	Distributor stock	Distributor dropship
Switch	C9300-24T-E	C9300-24T-E	
Cisco DNA Essentials	C9300-DNA-E-24		C9300-DNA-E-24=
Cisco DNA Advantage	C9300-DNA-A-24		C9300-DNA-A-24=

1 Distributor fulfills the hardware from stock for the quote from partner and creates a dropship for the Cisco DNA Term software. When placing the order for Cisco DNA Term SW, the Distributor will use C9300-DNA-E-24=

Figure 13.
SKU details for distributor ordering software as dropship

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Important links

Smart Accounts: All you need to know

- Operations exchange: Partner and distributor software training: A comprehensive list of external software training resources and detailed training modules for ordering and license management
- Smart Account leading practices for customers: A leading practices guide that can help customers decide how to structure their Smart Accounts, including if they need multiple Smart Accounts
- Smart Account decision tree: A short branching survey that helps partners and customers understand what type of Smart Accounts to create
- Cisco Smart Accounts on Cisco.com: The primary Cisco.com site for Smart Accounts

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