



The bridge to possible

[Home](#) >

[Cisco DNA: Intent-based networking](#) >

[Cisco DNA: Solution components](#) >

[Cisco DNA Center hardware appliance ordering](#) >

[Cisco DNA Center appliance license for greenfield and brownfield customers](#) >

[Cisco DNA Center appliance license](#) >

[Brownfield Cisco DNA Center appliance customers](#) >

[Cisco DNA Center appliance license](#) >

[Cisco DNA Center appliance registration](#) >

[Cisco DNA Center appliance license self-serve](#) >

[Quick links](#) >

# Cisco DNA Center Ordering Guide 2.x

October 2021



Home >

**Cisco DNA:  
Intent-based networking** >

Cisco DNA:  
Solution components >

Cisco DNA Center hardware  
appliance ordering >

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

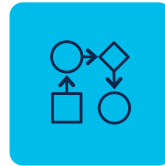
Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center: Intent-based networking

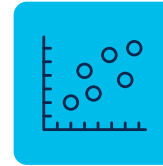
Powered by intent. Informed by context

Figure 1. Cisco DNA Center Architecture



**Design, provision,  
set policy using  
logical workflows**

Respond to  
changes faster



**Monitor end-to-end  
network performance**

Predict and act  
on problems before  
they happen



**Pinpoint  
problems faster**

Reduce downtime with  
an end-to-end view  
instead of hop by hop



**Manage hardware and  
software lifecycles**

Keep up to date,  
meet compliance,  
and plan for refresh



**Cisco DNA Center: Design,  
provision, automate policy and  
ensure services from one place**

Home >

Cisco DNA:  
Intent-based networking >

**Cisco DNA:  
Solution components** >

Cisco DNA Center hardware  
appliance ordering >

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center: Solution components

Figure 2. Cisco DNA Center Solution Components



Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

**Cisco DNA Center hardware  
appliance ordering >**

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center hardware appliance ordering

Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

**Cisco DNA Center hardware  
appliance ordering >**

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center appliance – scale and hardware specifications

Table 1. Cisco DNA Center Appliance Hardware Specification

DN2-HW-APL	DN2-HW-APL-L	DN2 – HW-APL-XL
<ul style="list-style-type: none"><li>• 44-core M5</li><li>• 5000 network devices</li><li>• 1000 switches and Routers</li><li>• 4000 APs</li><li>• 25,000 endpoints (concurrent)</li></ul>	<ul style="list-style-type: none"><li>• 56-core M5</li><li>• 8000 network devices</li><li>• 6000 APs and 2000 switches/routers</li><li>• 40,000 endpoints (concurrent)</li></ul>	<ul style="list-style-type: none"><li>• 112-core M5</li><li>• 18K devices</li><li>• 13K AP/5K switches and routers</li><li>• 100,000 endpoints (60K wireless/40K wired)</li></ul>

Figure 3. Cisco DNA Center Appliance



Automation HA available with all models  
(Cluster members must be of the same appliance type.)



(Each stack above is a single switch count.)

Home >

Cisco DNA: Intent-based networking >

Cisco DNA: Solution components >

**Cisco DNA Center hardware appliance ordering** >

Cisco DNA Center appliance license for greenfield and brownfield customers >

Cisco DNA Center appliance license >

Brownfield Cisco DNA Center appliance customers >

Cisco DNA Center appliance license >

Cisco DNA Center appliance registration >

Cisco DNA Center appliance license self-serve >

Quick links >

# Cisco DNA Center hardware appliance ordering

- 1 Select top-level SKU:
  - DN2-HW-APL
  - Ships with redundant power supply
  - Select quantity 1.\*
- 2 Select software (for example, DNA-SW-X.Y). (If more than one option is available, all options will be shown.)
- 3 Select power cable.
- 4 Modify services term to match the Cisco DNA solution order.

1	1.0 DN2-HW-APL	21 days	91,756.40	1	91,756.40	0	91,756.40
4	1.1 CON-555WT-DN2HWAPL	12.00 months	7,178.88	1	7,178.88	0.00	7,178.88
2	1.1 DNA-SW-2.1.2	21 days	0.00	1	0.00	0.00	0.00
3	1.2 CAB-250V-18A-CN	7 days	0.00	2	0.00	0.00	0.00
	1.3 DN2-PCIE-1010GF	28 days	0.00	1	0.00	0.00	0.00
	1.4 DN2-SD-64G-1	28 days	0.00	1	0.00	0.00	0.00
	1.5 DN2-PSU-770W	28 days	0.00	2	0.00	0.00	0.00
	1.6 DN2-TPM2-003	28 days	0.00	1	0.00	0.00	0.00
	1.7 DN2-RAD-8M5	28 days	0.00	1	0.00	0.00	0.00

## \* Quantity to order

- Qty = 1: standalone, 25,000 endpoints, 5000 network nodes
- Qty = 3 or more: HA and scale-out (scale TBD)

Home >

Cisco DNA: Intent-based networking >

Cisco DNA: Solution components >

**Cisco DNA Center hardware appliance ordering** >

Cisco DNA Center appliance license for greenfield and brownfield customers >

Cisco DNA Center appliance license >

Brownfield Cisco DNA Center appliance customers >

Cisco DNA Center appliance license >

Cisco DNA Center appliance registration >

Cisco DNA Center appliance license self-serve >

Quick links >

# Cisco DNA Center hardware appliance ordering

- 1 Select top-level SKU:
  - DN2-HW-APL-L
    - Ships with redundant power supply
    - Select quantity 1.\*
- 2 Select software (for example, DNA-SW-X.Y). (If more than one option is available, all options will be shown.)
- 3 Select power cable.
- 4 Modify services term to match the Cisco DNA solution order.

Item ID	Description	Quantity	Price	Total
1. DN2-HW-APL-L	Cisco DNA Center Appliance (Gen 2) - 55 Core	1	152,519.27	152,519.27
2. CON-555MT-DN2HW	Cisco DNA Center Appliance (Gen 2) - 55 Core	1	12,900.00	12,900.00
3. DNA-SW-3.1.2	Cisco DNA Center SW 3.1.2	1	0.00	0.00
4. CAB-250W-15A-CN	AC Power Cord - 250W, 15A, 100V, PRC	2	0.00	0.00
5. DKO-PCH-JE100G	Intel X710-D42 dual port 10G SFP+ NIC	1	0.00	0.00
6. DN2-SD-64G-5	4x08 SD Card for UCS Servers	1	0.00	0.00
7. DKO-PH1PL-270W	Cisco UCS T7000 AC Power Supply for Rack Server	2	0.00	0.00
8. DN2-SPM2-062	Trusted Platform Module 2.0 for UCS servers	1	0.00	0.00
9. DKO-BU1C-M8	Cisco UCS Blade for RAKD controller with 2GB cache	1	0.00	0.00

## \* Quantity to order

- Qty = 1: standalone, 40,000 endpoints, 8000 network nodes
- Qty = 3 or more: HA and scale-out (scale TBD)

Home >

Cisco DNA: Intent-based networking >

Cisco DNA: Solution components >

**Cisco DNA Center hardware appliance ordering** >

Cisco DNA Center appliance license for greenfield and brownfield customers >

Cisco DNA Center appliance license >

Brownfield Cisco DNA Center appliance customers >

Cisco DNA Center appliance license >

Cisco DNA Center appliance registration >

Cisco DNA Center appliance license self-serve >

Quick links >

# Cisco DNA Center hardware appliance ordering

- 1 Select top-level SKU:
  - DN2-HW-APL-XL
  - Ships with redundant power supply
  - Select quantity 1.\*
- 2 Select software (for example, DNA-SW-X.Y). (If more than one option is available, all options will be shown.)
- 3 Select power cable.
- 4 Modify services term to match the Cisco DNA solution order.

1	1.1 DN2-HW-APL-XL	20 days	293,785.66	1	293,785.66	0	293,785.66
	more						
	DNA Center Appliance (Gen 2)						
	Valid as of 14-Apr-2021 11:10:33 PDT						
	[Edit Options] [Edit Service/Subscription] [Validate] [Recommended Content] [Add Note] [More Actions]						Add Subtotal
4	1.2 COM-ESSNT-DN2HWXL	Not Applicable	25,762.00	1	25,762.00	0.00	25,762.00
	more						
	SOLN SUPP ESSNT-DN2HWXL						
	Center Appliance (Gen 2)						
	Duration						
	12.00 months						
2	1.3 DNA-SW-2.1.2	21 days	0.00	1	0.00	0.00	0.00
	more						
	Cisco DNA Center SW 2.1.2						
3	1.4 CAB-250W-10A-CN	7 days	0.00	4	0.00	0.00	0.00
	more						
	AC Power Cord - 250W, 10A, PWC						
	1.5 DAG-PCIE-8200G	20 days	0.00	1	0.00	0.00	0.00
	more						
	800i.X718-QA2 dual port 10G SFP+ 80C						
	1.6 DN2-SD-64G-5	20 days	0.00	1	0.00	0.00	0.00
	more						
	64GB SD Card for UCS Servers						
	1.8 DN2-TPM2-002	20 days	0.00	1	0.00	0.00	0.00
	more						
	Trusted Platform Module 2.0 for UCS servers						
	1.9 DN2-SD38TB10L1EV	30 days	0.00	2	0.00	0.00	0.00
	more						
	3.8TB 2.5 inch Enterprise Value 60 SATA SSD						
	1.7 DN2-C480-BHCO	30 days	0.00	3	0.00	0.00	0.00
	more						
	UCS C480 M3 Drive Module for B-HCO						

## \* Quantity to order

- Qty = 1: standalone, 100,000 endpoints, 18,000 network nodes
- Qty = 3 or more: HA and scale-out (scale TBD)



Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

Cisco DNA Center hardware  
appliance ordering >

**Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >**

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center appliance license for greenfield and brownfield customers

Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

Cisco DNA Center hardware  
appliance ordering >

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

**Cisco DNA Center  
appliance license >**

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center appliance license

- One of the Cisco DNA Center Appliance licenses listed below will get deposited into the customer's Cisco® Smart Account by default when purchasing a new Gen 2 Cisco DNA Center Appliance (regular/large/XL) with software version 2.1.2.x and above.
- Cisco DNA Center Appliance needs to be registered with the respective Smart Account/Virtual Account to consume this Cisco DNA Center Appliance license. Refer to [Cisco DNA Center Administration Guide 2.1.2.x](#) and above for more information.

## Cisco DNA Center appliance licenses

Table 2. Cisco DNA Center appliance licenses

License SKU	Description
<b>DN2-HW-APL-LIC</b>	Cisco DNA Center Gen2 Regular (44 Core) Appliance License
<b>DN2-HW-APL-L-LIC</b>	Cisco DNA Center Gen2 Large (56 Core) Appliance License
<b>DN2-HW-APL-XL-LIC</b>	Cisco DNA Center Gen2 XL (112 Core) Appliance License

Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

Cisco DNA Center hardware  
appliance ordering >

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

**Brownfield Cisco DNA Center  
appliance customers >**

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Brownfield Cisco DNA Center appliance customers

- Brownfield Cisco DNA Center Appliance customers will also get a Cisco DNA Center Appliance license based on the appliance type.
- Existing Cisco DNA Center Appliance customers must upgrade to Cisco DNA Center software Release 2.1.2.x or above.
- They need to register their appliances one by one with Cisco® Smart Software Manager (CSSM) and leverage the self-serve option in CSSM to deposit the respective the Cisco DNA Center appliance license in the customer's Cisco Smart Account.

Figure 4. Ordering Cisco DNA Center appliance in CCW

Category	Qty	Extended List Price (USD)	DN2-HW-APL > DNA Software
<b>DNA Software</b>			<b>DNA Software</b>
DNA-SW-2.1.2	1	0.00	SKU Qty
<b>Power Cable</b>			
CAB-250V-10A-CN	2	0.00	<input type="radio"/> DNA-SW-1.3 1
<b>SFP</b>			Cisco DNA Center SW 1.3 More
<b>Smart Licensing</b>			<input checked="" type="radio"/> DNA-SW-2.1.2 1
DN2-HW-APL-LIC	1	0.00	Cisco DNA Center SW 2.1.2 More

Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

Cisco DNA Center hardware  
appliance ordering >

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

**Cisco DNA Center  
appliance license >**

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center appliance license

- When performing self-serve, the customer must select the appropriate Cisco DNA Center Appliance license with QTY 1 based on their appliance model (regular-regular/large-large/XL-XL).

Table 3. Cisco DNA Center Appliance types

Appliance type	License to select	QTY
<b>DN2-HW-APL</b>	DNAC Gen2 Appliance - Regular (44 Core)	1
<b>DN2-HW-APL-L</b>	DNAC Gen2 Appliance - Large (56 Core)	1
<b>DN2-HW-APL-XL</b>	DNAC Gen2 Appliance - XL (112 Core)	1

- Customer should follow the steps mentioned in the upcoming pages to deposit the Cisco DNA Center Appliance license in the respective Smart Account/Virtual Account automatically.

# Cisco DNA Center appliance registration

Home >

Cisco DNA: Intent-based networking >

Cisco DNA: Solution components >

Cisco DNA Center hardware appliance ordering >

Cisco DNA Center appliance license for greenfield and brownfield customers >

Cisco DNA Center appliance license >

Brownfield Cisco DNA Center appliance customers >

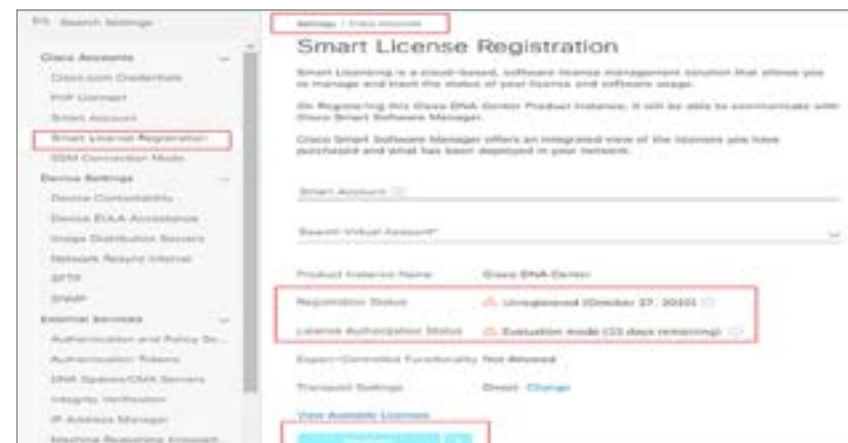
Cisco DNA Center appliance license >

**Cisco DNA Center appliance registration >**

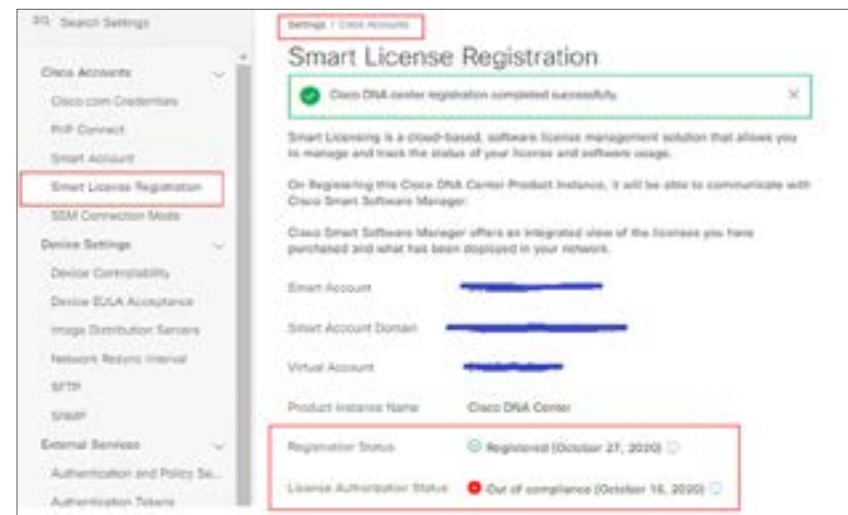
Cisco DNA Center appliance license self-serve >

Quick links >

- 1 Register Cisco DNA Center Appliance with CSSM using the option “Smart License Registration.” Refer to [Cisco DNA Center Administration Guide 2.1.2. x and above](#).



- 2 Check the registration status and license authorization status after registering with CSSM. Go to CSSM, if the authorization status is “Out of Compliance.”



Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

Cisco DNA Center hardware  
appliance ordering >

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

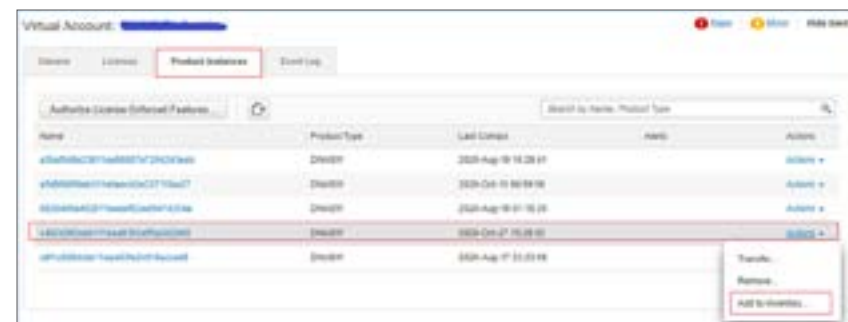
Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Cisco DNA Center appliance license self-serve

- 3 Enable self-serve in CSSM by navigating to **Inventory > Product Instances > Select the Product Instance with type “DNASW” > Actions > Add to Inventory.**



- 4 Select the appliance license based on the hardware appliance model. Enter “1” against “**DNAC Gen2 Appliance -Regular (44 Core)**” if you are registering a regular DNAC appliance.

Click “**Next**” and review the added license.

Click “**Add to Inventory**” to add the appliance license to the inventory.



**Note:** Reach out to GLO team If you have selected the wrong appliance license or quantity.

Home >

Cisco DNA: Intent-based networking >

Cisco DNA: Solution components >

Cisco DNA Center hardware appliance ordering >

Cisco DNA Center appliance license for greenfield and brownfield customers >

Cisco DNA Center appliance license >

Brownfield Cisco DNA Center appliance customers >

Cisco DNA Center appliance license >

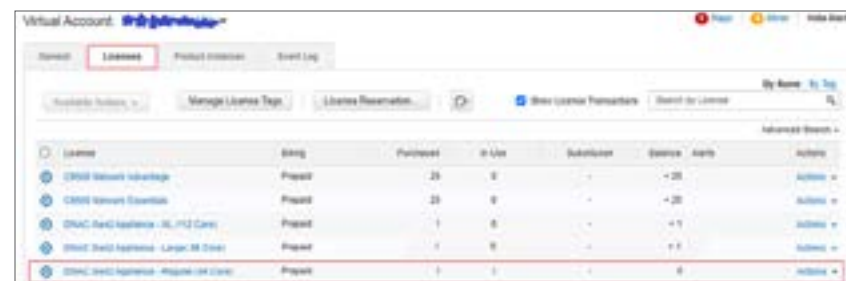
Cisco DNA Center appliance registration >

**Cisco DNA Center appliance license self-serve** >

Quick links >

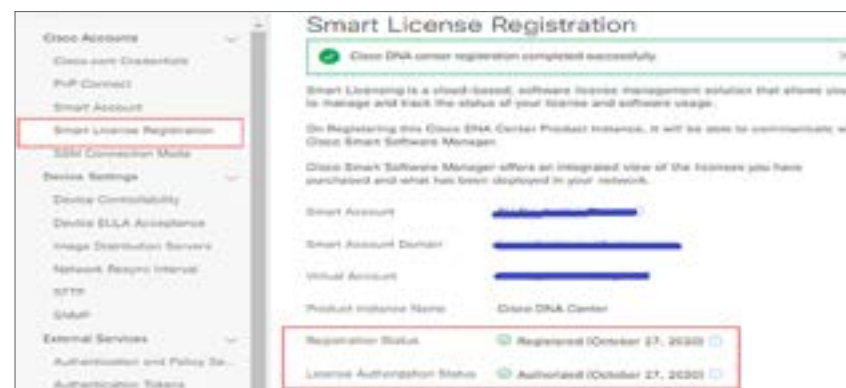
# Cisco DNA Center appliance license self-serve

5 In CSSM, navigate to **Inventory > licenses** check whether DNAC appliance self-service license has been deposited.



License	Unit	Forecast	In Use	Subtotal	Source	Apply	Action
Cisco Smart Software	Forecast	25	0	-	+25		Actions
Cisco Smart Essentials	Forecast	25	0	-	+25		Actions
DNAC Self License - 30,000 Core	Forecast	1	0	-	+1		Actions
DNAC Self License - Large-M Core	Forecast	1	0	-	+1		Actions
DNAC Self License - 4000-M Core	Forecast	1	0	-	0		Actions

6 In Cisco DNA Center, navigate to **System > Settings > Cisco Accounts > Smart License Registration > Reregister**. Now the authorization status will be changed to **“Authorized.”**



**Smart License Registration**

Cisco DNA center registration completed successfully.

Smart Licensing is a cloud-based, software license management solution that allows you to manage and track the status of your license and software usage.

By registering this Cisco DNA Center Product Instance, it will be able to communicate with Cisco Smart Software Manager.

Cisco Smart Software Manager offers an integrated view of the licenses you have purchased and what has been deployed in your network.

Smart Account: [Go to Smart Account](#)

Smart Account Domain: [Go to Smart Account Domain](#)

Virtual Account: [Go to Virtual Account](#)

Product Instance Name: Cisco DNA Center

Registration Status: ✔ Registered (October 27, 2020)

License Authorization Status: ✔ Authorized (October 27, 2020)

Home >

Cisco DNA:  
Intent-based networking >

Cisco DNA:  
Solution components >

Cisco DNA Center hardware  
appliance ordering >

Cisco DNA Center appliance  
license for greenfield and  
brownfield customers >

Cisco DNA Center  
appliance license >

Brownfield Cisco DNA Center  
appliance customers >

Cisco DNA Center  
appliance license >

Cisco DNA Center  
appliance registration >

Cisco DNA Center  
appliance license self-serve >

Quick links >

# Quick links

- SD-Access ordering guide: [Click here](#)
- Routing and SD-WAN ordering guide: [Click here](#)
- Wireless access points ordering guide: [Click here](#)
- ISE ordering guide: [Click here](#)

## The documents below can be accessed by partners from Cisco® SalesConnect:

- EN promotions: [Click here](#)
- Switching license construct: [Click here](#)
- Routing license construct: [Click here](#)
- Wireless license construct: [Click here](#)