Troubleshoot Catalyst Center Licensing Use Cases and Workflows

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Introduction

This document describes different Cisco Catalyst Center licensing scenarios that are frequently encountered.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software and hardware versions.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

This document provides the step-by-step details of how to use the License Manager workflow of Cisco

Catalyst Center (formerly known as DNA Center) for device license registration, license migration between Virtual Accounts via CSSM, and so on.

Scenarios

Scenario 1: Device License Registration via Cisco Catalyst Center License Manager: Legacy Method

Step 1. Log into Cisco Catalyst Center via admin credentials or via a custom role with super-admin privileges.

Step 2. Navigate to **Hamburger** and select **Tools > License Manager**.

Cis	co DNA Center		
01 F	Design Policy Provision	> > >	Discovery Topology Command Runner
20 20 20 20 20 20 20 20 20 20 20 20 20 2	Assurance Workflows	>	License Manager Template Editor
×	Tools	>	Wide Area Boniour
ß	Platform	>	Security Advisories
Ð	Activities		Network Reasoner
E	Reports		
<u>ين</u> ې	System	>	
	Explore		

Step 3. Select **Devices** tab and use the **Filter** option or scroll through the table to find the devices whose licenses you want to register.

≡ 🚓 DNA Center	Tools / License Manager	* C @ @ C R #**
Overview Licenses Devices	Reporting Sync Status	
Q Search Hierarchy	Some of your license compliance requirements have not be	een met. Learn more.
v 0 Grant	•	Global
Unassigned Devices Advant test	(i) Three (3) Information Alerts on this page. Expand to see de	etañs. X
> Al Adhyabiti.	Devices (15)	٠
> di Avest > di Avest 	License Level + All -> License Mode + All ->	
) A Dates Test	Q. Filter by Device Name. Use colume filters to filter by other attribu-	den. 🖓
98 Gautani 98 Gautani-Test > 40 India	1 Selected Actions v T Upload CSV	Recent Tasks As at: Oct 18, 2023 2.45 PM () analy IP Address Device Series
> Al Mexico > Al Mexico	C3750X-487-S-pod-1482.cises.com 51 Swit	thes and Hubs 10.197.314.99 Cisco Catalyst 3750 Series
A TEST	B WS-C2850-487-6 51 Swit	thes and Hubs 192,168.0.1 Cisco Catalyst 3850 Series

Step 4. Select the check box next to each device whose license you want to register, then choose Actions > Manage Smart License > Register.

≡ 🚓 DNA Center	Tools / License Manager 🌣 Q 🖉	0 O Q A 🖛
Overview Licenses Devices	Reporting Sync Status	
Q, Search Herarchy	Some of your license compliance requirements have not been met. Learn more.	
~ 0 Global	Q Global	
Unassigned Devices M Absur test	() Three (3) Information Alerts on this page. Expand to see details.	×
> Aleystell	Devices (15)	٠
> di Aveat > di Australia	License Level + All - License Mode + All -	
> di Diatau Test	Q. Filter by Device Name. Use column filters to filter by other attributes.	Ÿ
ull Gautami ull Gautami-Text	1 Selected Actions A 17 Upload CDV 🛞 Recent Tasks	As of Oct 18, 2023 3.46 PM
> di India	Orange License Device Family P Address	Cevice Series
> de Maxico > de sext27	Charge Virtual Account ;1 Switches and Hubs 10.197.214.99	Cinco Catalyst 3750 Series !
4h TEST	Manage Smart License > Register Instant Michael 102 108 0.2	Closer Catalogs 2007 Factors 1
	Manage License Reservation > Deregister	Costo Catalyni Debel Debels I
	Deposit Traditional Licenses 25 Switches and Hubs 10.88.174.47	Cisco Catalyst 3850 Series I

Step 5. Choose the Virtual Account where the respective license is deposited and click Continue.

Register	Smart	License	
----------	-------	---------	--

SMART ACCOUNT

Name	Cisco Systems, TAC	Domain	tac.cisco.c	om
Q s	earch Table			
	Name •	Cisco DNA License	Count	Description
0	Bangalore DNAC TAC	0		DNAC TAC-POD's Device Licenses are deposited here.
0	NMS	0		
		Showing	2 of 2	
		Cancel	c	ontinue

Step 6. Cisco Catalyst Center prompts whether the change is to be applied immediately or later. Choose the desired option and click **Confirm**.

Register Smart License	
Registering 1 device(s) to Bangalore DNAC TAC Now O Later	
Task Name* License mode update	
Cancel	Confirm

Scenario 2: Device License Registration via Cisco Catalyst Center License Manager:

CSLU Reporting Workflow

- On DNA Center release 2.2.1.0 and devices running 17.3.2 or higher:
 - · Devices are no longer required to get registered with CSSM
 - License usage information will be stored in a secured location on the device
 RUM or Usage Reports
 - · Now, Cisco DNA Center is going to pull the reports and upload it to CSSM
 - · Uploads can be done periodically or on demand basis
 - · CSSM go through reports and make the respective updates on Virtual Account
 - · After that, CSSM is going to sent and Acknowledge to DNAC if report is good
 - Finally, Cisco DNA Center is going to update the license status on GUI and on the Device itself
 - Cisco DNA Center can generate PDF reports for users

Prerequisites

Cisco Catalyst Center

- Cisco Catalyst Center must be running on the release 2.2.1.0 and later.
- Cisco Catalyst Center must be able to communicate with CSSM portal and be able to reach **tools.cisco.com**.
- Correct SSM Connection mode must be chosen on Catalyst Center. CSLU workflow is not applicable for On-Prem CSSM (Satellite Server) as of Catalyst Center release 2.3.5.5.
- CSLU workflow is not applicable for AireOS Wireless Controllers (Models: 3504, 5520, 8540).

Network Device

- Device must be running on Cisco IOS® XE 17.3.2 or later and must have enough space in flash for the Rum report.
- Device must have **netconf-yang** model configured and Cisco Catalyst Center must be able to communicate with the device over Netconf port 830.

To validate:

show run | sec netconf-yang

i. During Device discovery on Cisco Catalyst Center, the **Netconf** parameter under credentials section must be enabled.



ii. If the **Netconf** parameter was not enabled at the time of **Device Discovery**, use the **Edit Device** option on the Cisco Catalyst Center Inventory to enable it.

redentials	Management IP	Resync Interval	Device Role
SNMP*			
SNMP Retr	es and Timeout*		
HTTP(S)			
NETCONF			
Port			
830			
Service States of		HW	
NETCONF Catalyst 900	with user privilege 15 0 series Switches and 1	is mandatory for enablir 09800 Series Wireless I	ng Wireless Services on Wireless capable devices such as Controllers. The NETCONF credentials are required to connect.

• Device must have the **sdn-network-infra-iwan** trustpoint installed; this is done by the Cisco Catalyst Center.

To validate:

show crypto pki trustpoint sdn-network-infra-iwan (To check the trustpoint)

show crypto pki certificates verbose sdn-network-infra-iwan (To check the trustpoint in detail)

• If the **sdn-network-infra-iwan** trustpoint is not installed, do these steps:

Step 1. Log into Cisco Catalyst Center via admin credentials or via a custom role with super-admin

privileges.

Step 2. Navigate to **Hamburger** and select **Provision** > **Inventory**.

Step 3. Select the device you want to install the trustpoint on, click Actions > Telemetry > Update Telemetry Settings.

Clace DNA Center		Provision	/ No	sect Devices	/ Inventory			Providence Program	G B G G	0.0
Inertony Properties Inter	tory insights									
C. Search Henry T						×				
< 8 these					Ciobal					5- M
 Dramspred Devices dr India dr India 	norden og regen inventory - Viter Øiter bere teg - Viter Øiter bere teg -	New YO I N		ar Electric				Au	r. t. ce me 🖾 Deper	Chanan
	Berlin Name - P As	Software Image	,	Reschability ()	that there 🔿	Manager Milling 🚷	Comptance 💭	Real Board	line .	
	🔳 () . 1000-1.4 ann () . 115.	Provision	1	• hereitette	a failet	 Manaped 	• Non-Complete			64 - 64 Miles
		Selamatry		Enable Approxi	in terenetry					
		Device Redicement Others Complement	5	States Applica Update Science	ine Tolorisatey ny Settinge					

Step 4. Select Force Configuration Push and click Next

Uţ	odate Telemetry Settings			×
~	Force Configuration Push ()			
	GLOBAL/INDIA/BANGALORE/BOL14	9500-1.dr.com The following settings will be d	eployed during assignment to site.	
	9500-1.dr.com	Syslog Server	Cisco DNA Center	
		Netflow Collector	Cisco DNA Center	
		Cisco TrustSec (CTS) Credentials	Yes	
		Wireless Streaming Telemetry	Yes	
		SNMP Trap Receiver	Cisco DNA Center	
		DTLS Ciphersuite	Skipped	
		AP Impersonation	Enabled	
		Cisco TrustSec (CTS) Credentials	Yes	
		Syslog Level	6 - Information Messages	
		Controller Certificates	Yes	
				_
			Cancel Next	

Step 5. Select Now and click on Apply. This has no effect on production.

Update Telemetry Settings	×
Now Clater Generate configuration preview Creates preview which can be later used to deploy on selected devices. View status in Work Items Task Name* Update Telemetry Settings Task	
Cancel Back Ap	ety .

If all prerequisites are met then do these next steps to execute the **Reporting Workflow**:

Step 1. Log into Cisco Catalyst Center via admin credentials or via a custom role with super-admin privileges.

Cisco DNA Center



Step 2. Navigate to **Hamburger** and select **Tools > License Manager**.

Step 3. Select the **Reporting** tab and locate the **Smart License Compliance** dashlet; click on the dashlet to launch the workflow.



Step 4. Select the **Smart Account** and **Virtual Account** where the device licenses are stored and click **Next**.

•	Clace DNA Center	Smart License Compliance	9.004
S	elect Smart Account		
14	s utilized, you may appoint it devices by si	na annual second reconstruction and the production and a recorder account to record or Be of by selection later.	
	larfaid on: Oecamiser 104 3000, 4.10.51 PM		
	Barth Reconstraints		
1	hart. Resource"		
-	tere Bystems, 1AC		
10	load Account		
8.	ingutors DRAIC THC	v	
0 04	A AL CARGES LOOK		No.

Step 5. Choose the device whose license utilization you want to report.

Smart License Compliance

Choose Sites and Devices

There are 6 network device(s) across several sites which are running IOS 17.3.2 or greater. You can choose to link all of them right now, or just a subset. If you can't link with the Caco Smart Software manager now, you may link at any time tater.

A suspense of the								0 0
Search Parameters of	-0	Search Table						7
v à total		(holos Note 1	Burles Parity	Basics Barbas	P. Million	Schwart Vestor	Ones (MA Electron	Last Bahout
2 di tata 2 di tata	•	MIN-1-drawn	(2. Decisions and Make	Gaus Catalyst 2000 Sarias Salisitan	101210-0002	12.6.1	Advantage	December 8, 2023 4:27 PM
	0	form-1.8 per-	+ Bosters	Once KON Series Integrated Services Routers	101163063	11.3.2	Nym.	November 18, 2023 8:06 AM
	0	Nation-2.4t core	+ hovers	Cinco 4000 Sarles Integrated Services Routers	17210.006.10	12.6.4	545	54
	0	pod7-1200-2.0.com	:1 Sectores and Note	Clean Catalyst 1000 Series Switches	101210-0004	17.3.5	Advantage	54
	0	pmd7~1000- merk.ak.com)2 Declarities and Males	Once Catalyst 1000 Series Setutes	172210-0002	12.6.1	Advantage	54
	0	900, () - 40, courts () - 60%	A Worker Controller	Circo Catalyst 1000 Series Wireless Controllers	1212002001	11.1.2	Advertige	6.4
	1.940						Shoe Records	89.116 (0)
C foll At charges send								hest New

Step 6. Modify the **Reporting** interval, if required.

Cisco DNA	Center	Smart License Compliance	0000
Modify Pol	licy		
The policy defines	how often the network device	(c) will report their feature usage. It overrides the default pol	icy which enables only the core functionality on each device.
POLICY SETTINGS			
Policy Name			
Policy Description	NA		
Policy Version			
Smart Account	Cisco Systems, TAC		
Reporting Interval	30 Days ModPy		
CSSW POLICY			
100 million	First Report Willia	Report Unage Every	Report After Usage Change
		No data to display	

Step 7. Review the summary of devices and click Next to trigger Reporting.

E Cisco DNA Co	rtor	Smart License Com	License Compliance							
Sync Data w	ith Cisco									
When you click "Next" A report will be genera	When you click "Next" Claco DNA Center is going to retrieve the usage data from the device(x) and then send the data to CSSM. A report will be generated once that completes.									
Submitting Devices										
Q Search Table						∇				
Device Name =	Device Family	Device Series	P Address	Software Version	Once DNA Upwere					
9500-1.dr.com	;1 Switches and Hubs	Cisco Catalyst 9500 Series Switches	172.18.100.3	12.6.1	Advantage					

E Cisco DNA Center

- 6876

Summary

These are the following operations performed in this flow.

Syncing Data

Sending device license usage data to CSSM. The time taken to sync this data depends on the size of usage data and number of requests gueued for processing on CSSM.

100	-	100		1000		
Control 10	81	HC:Lt	100	1000	10 M B	
Provide and a set		1000	1.00		-	 80

• *	tohing Usage Report		
	Device -	liatus	
	9500-1.dx.com(172.19.100.3)	Usage consumption report collected from device successfully	

E Cisco DNA Center

Smart License Compliance

Summary

These are the following operations performed in this flow.

Syncing Data

Sending device license usage data to CSSM. The time taken to sync this data depends on the size of usage data and number of requests queued for processing on CSSM.

Overall Sync Progress

-			
	Fatching Usage Report		
÷ø	Uploading Usage Report		
	Dente -	Items Trans commenties sense uniquited to Place 1914 should write the	
	9500-1.ak.com(172.19.100.3)	acknowledgement	

Summary

```
These are the following operations performed in this flow.
```

Syncing Data Sending device license usage data to CSSM. The time taken to sync this data depends on the size of usage data and number of requests queued for processing on CSSM. Overall Sync Progress

-			0
3	0	Fetching Usage Report	
5	0	Uploading Usage Report	
5	0	Provisioning Acknowledgement	

Scenario 3: License Migration between Virtual Accounts

Step 1. Log into Cisco Catalyst Center via admin credentials or via a custom role with super-admin privileges.

Step 2. Log into software.cisco.com and select Manage Licenses.

Ŧ	Cisco Software Central	cisco		ର୍ Θ 🏟
		897711717	B (network)	
	Cisco Softw Access energines you need to active and man your Chico Smart Liberton.	vare Central		
	Download and	manage		
	Smart Software Manager	Download and Upgrade	Traditional Licenses	
	Track and manage your loanses. Convert traditional loanses to Smart Leanses.	Download new software or updates to your current software.	Generate and manage PAE-based and other device licenses, including-demo licenses.	
	Mercele Rosener 3	Access doublests 3	Access 100 N	



Cisco Software Central > Smart Software Licensing

Smart Software Licensing

Alerts Inventory	Convert to Smart Licensing	Reports Preferen	ces On-Prem Accounts Activity
Virtual Account:	TAC Cisco Systems	s, Inc 🔻	
@+On-Prem Vir	·	By Name By Tag	
General Lic	6 node cluster		
Virtual Accourt	AMM-ARCH-ONPREM	03	
Description:	Bangalore DNAC TAC	02	
Virtual Account Ty	deleted3	- 	
	RTP-CX2	01	
Product Instan	sdwan-lab	3	
Because this	sindhrao	•	tellite", all product instance registration tokens must be g
	TAC Cisco Systems, Inc.	- 038+	
		TAC Cisco Systems, I	inc

Step 4. Select the License tab and choose the Target Virtual Account.

Cisco Software Central > Smart Software Licensing

Smart Software Licensing

Alerts Inventory Convert t	o Smart Licensing Rep	orts Preferences On-Prem Accounts Activity
Virtual Account: TAC C @⇔On-Prem Virtual Acc	isco Systems, Inc. count (cats-satellit	e)
General Licenses	Product Instances	Event Log
Transfer Licenses B	etween Virtual A	ccounts
Transfer To	Virtual Account:	Select Virtual Account 👻
License	Billio	By Name By Tag
Transfer Show Pre	view Cancel	6 node cluster AMM-ARCH-ONPREM Bangalore DNAC TAC
		deleted3
		RTP-CX2
		sdwan-lab
		sindhrao
		Yazan Bikawi

Step 5. Select the license you want to transfer and click Actions & Select Transfer.

Smart Software Licensing									
Napors Prator	incas On Phon Acc	ouns Actor	br						
nc • lite)					•	Mager 😗 Ma	or Hide Alerta		
Eventing									
						897	Kame (By Top		
ee Tags	•		🛃 Show	Ucanoe Transo	films	Search by Exerne	9		
						,	whenced Search +		
Billing	Available to Use	in Use	Substitution	Balance	Alerts		Actions		
Prepaid	0	1		-1	0 ma	ficient Licenses	Actions +		
Prepaid	10	0		+10	Trace	w	Actions +		
	Reports Prefer RC	Reports Preferences On-Prem Acc mic * Hitto:) Eventilog terentilog Billing Available to Use Preped 0 Preped 10	Reports Profesences On Pren Accounts Activ RC	Reports Performances Co-Peen Accounts Actualy InC* InC* InC* Eventing Eventing Belling Available to Use In Use Substitution Preped 0 I . Preped 15 0 .	Reports Performances Co-Pren Accounts Admity IC	Reports Preferences On Prem Accounts Adminy Inc	SL Production SL		

Step 6. Choose the quantity of licenses you want to transfer and click **Transfer**.

Virtual Account Re-On-Prem V	nt: TAC Cis /irtual Acco	oo Systems, In unt (cats-satell	ite)				O Mair 🛛 🛛	Minor Hide Alerts
General	Licenses	Product Instances	Event Log					
Transfer Lie Transfer To	censes Be	Ween Virtual	Accounts Bargatere DNAC TA:	-				
Litense			iling .	Purchased	In Use	Balance		Transfer
CM, - Base		P	repaid	10	0	10		1
Source: Budscription	Manual Erit Ic: NA	Y	Shu: Family: Start Dim Explose:	CAL-ENT-BASE Learning of Croco Software Products 2023-34-60 2024-34-60		10		1(2)
Turely	Show Previo	Ganoel						

Scenario 4: License Migration between Smart Accounts

Migration of Licenses between different Smart Accounts can be done by the Cisco Licensing team. Please refer to these next steps to raise the case with the respective team.

Step 1. Log into <u>https://mycase.cloudapps.cisco.com/case?swl</u> with Cisco credentials.

Step 2. Click on **Open New Case** and select **Software Licensing > Expand License Management > Select Move Licenses**. Then select **Reassign licenses between SA** and click **Open Case**.

Support Case Manag	er	
Create and manage Support cases for Akinchan	Mishra (akimishrijicisca.com) 💌	
Open New Case -		
Ce Products & Services	Open a New Case for Software Licensing Support $\qquad \times$	Select a sub-category X
- 😡 Webex	Search Categories	Reassign licenses between SA, including HA
22 Software Licensing	Q.	
22 Fuldmesh / CURINS	~ Smart Account Administration	Move licenses between devices in License
202 Trial Offer Support	V License Delivery	Registration Portal due to device failure/RMA
	- License Management	Move licenses between devices in License Besintration Portal
	Move Licenses	
	Obtain temporary/demo/extend licenses	
	View Enterprise Agreement licenses in cloud deshboard	
-	Generate License	
	Upgrade licenses through version upgrade	
	View More Categories +	
	V Device Management	
		Open Geor

Step 3. Select the relevant product (for example, wireless, switching, and so), fill in the form, and submit the request.

Support Case Manager	
A > Software Ucersing	Nored help with your cases?
Cetegory Researing: Texman between SA, Including HA, change	
Select a Product	
Title	
504 shareten	
Peptideen Description This scheper is to "SCENSING wanted requests DNCC For technical innex, phone dick "change" alone and right is cannot by using the "Peobleck & St the necessary entrement information (ScincePolic), Decise (SecUPONIC), etc.) and Street Resource/Ansat Resourc (SecUP)	encose' company. Otherwise, presse provide the details of your LCENSING request before and include
Describe the lower you are experiencing -	
Ar2010 sharehina	
Solis: Film can be uploaded after case is instead.	
Smart Account Domain Or	

Scenario 5: Change of SSM Connection Mode

Step 1. Log into Cisco Catalyst Center via **admin** credentials or custom role with super-admin privileges.

Step 2. Navigate to **Hamburger** and select **System > Settings**.

Cisco DNA Center



Step 3. Select **SSM Connection Mode** and choose the desired option (**Direct/Smart Proxy/On-Prem**). Click **Save**.



Scenario 6: Integration of Smart Account with Cisco Catalyst Center

Step 1. Log into Cisco Catalyst Center via admin credentials or via a custom role with super-admin privileges.

Step 2. Navigate to **Hamburger** and select **System > Settings**.

Cisco DNA Center



Step 3. Under Smart Account, click Add.



Step 4. Enter the **Smart Account** username and password and click **Save**.

akimishr	© Info	
	info	
Password		
	SHOW	

Step 5. If you have multiple **Smart Accounts**, repeat steps 3 and 4.

Save

Cancel

: If you have multiple Smart Accounts, choose one account to be the default. The License Manager uses the default account for visualization and licensing operations.

Scenario 7: Change of License Level

Step 1. Log into Cisco Catalyst Center via admin credentials or via a custom role with super-admin privileges.

Step 2. Navigate to **Hamburger** and select **Tools > License Manager**.



Step 3. Select **Devices** tab and use **Find** or scroll through the table to find the devices whose license level you want to change.

E Glace DNA Center	Tools / License Manager			0000
Owners Lorenza Deal	an Reading Sync Sana			
Q last tents	Devices (8)			•
< 3.0084	(i) There by Sector Review Core exclusion Review In Hear by other anti-factory.			10
Cristanigent Devices >	Period and the factor Advances France Contraction (1) (1) (1)			
> di mate	Elsevent Autom + T system Dir	9	Never Nets	n, and a set of
	C Inclusions Inclusions Photos Decisions	010 040 11 mm	Data Distance frame	States Made 14
	C calification of better periods in 10.00.00.107 Ones being 200 Serie Brane Section Sector	55.8.	5.6	
	Page 9020-1 A Window Cartadar 18.127.053.00 Once 2020 Series Window (AD Seriesdars	88	54	84
	BACKER A Windows (secondar 10, 100, 40, 201) Conce 2020 Second Memory (AD Descendar	-	1.4	#7.y

Step 4. Check the check box next to each device whose license level you want to change, then choose **Actions > Change Cisco DNA License**.

E Cleop DNA Center	Tools J License Menager		0.000
Denter Literary Devices	Reporting Taylo Dates		
Q. Seech Network (1999)	Devices (ID		
~ A losse	Q. Alter Is Desite Name. Use others Name is the to other activates.		7
Consequent Devices	descense Al douring Austr Committee Al and a		
3.0.166	1 Second Added A. T Speed Dir	Q-Receit Tests - Ar	a bern statistick 🖓
	Ourge Date Detail Detail Sector Date Ourge Date Detail Detail Sector Date	Altoward Constitutions	orte come Neile II
	Charge Times Association Charge Techniques Statute Charge Techniques	8.0	8. E
	terrape controllers of controllers to USE 201.00 Generated Series Minutes USE Controllers 80.	8.8	ч.
	C Depart Televised Lorenze when Germanian 15, 106, 45, 201 Chain 2001 Series Winness LAN Committee MA	-	101

Step 5. Click the license level for either the Essentials or Advantage devices. Then click Continue.

Chang	ge Cisco DNA License L	evel	<
Device Family	2 License Level	3 Confirm	
Change Cisco DNA License Lev	vel to: vantage Cancel Continue		

Step 6. Cisco Catalyst Center prompts whether the change is to be applied immediately or later. Choose the desired option and click **Confirm**.

Cł	ange Cisco DNA License Level)
Device Family	License Level 3 Confirm	
Cisco DNA License for 1	evice(s) will be activated to Advantage.	
Note: Network license may be License change will take effect reboot even after selecting this	pgraded to Advantage for applicable devices. only after the device rebooted. Some devices like CAT3560-CX, AireOS controlle checkbox.	ers will not
Note: Network license may be License change will take effect reboot even after selecting this	pgraded to Advantage for applicable devices. only after the device rebooted. Some devices like CAT3560-CX, AireOS controlle checkbox.	ers will not
Note: Network license may be License change will take effect reboot even after selecting this Reboot device on update	pgraded to Advantage for applicable devices. only after the device rebooted. Some devices like CAT3560-CX, AireOS controlls checkbox.	ers will not



Note: You must also choose the option **Reboot device on update** for changes to take effect. Also, this activity needs to be performed in downtime.

Related Information

<u>Cisco Technical Support & Downloads</u>