ISE Licensing

Overview

With the release of Cisco[®] Identity Services Engine (ISE) 3.0 in September 2020, Cisco announced a new streamlined licensing scheme for Cisco ISE in line with the Cisco DNA Center[™] licensing tiers, which reduces the complexity in ordering. This document will guide you through the process of determining what is required to upgrade from Cisco ISE "classic" licenses (Base, Plus, and Apex) to the new ISE license scheme with Cisco ISE Essentials, Advantage, and Premier.

Cisco ISE licensing provides the ability to manage access and the application features, such as the number of concurrent endpoints that can use Cisco ISE network resources. Licensing in Cisco ISE is supplied as feature-based packages, with different features supported in each of the Essentials, Advantage, and Premier licenses. Further information can be found in the <u>Cisco ISE</u> <u>Ordering Guide</u>. The ordering guide denotes which use cases and capabilities require which licenses.

Starting with the Cisco ISE 3.0 release, you are required to have Smart Licensing, which further requires you to have a Cisco License Smart Account created and configured before you upgrade ISE or migrate your existing "classic" ISE licenses. Cisco Smart Licensing helps you procure, deploy, and manage licenses easily, allowing devices to self-register and report license consumption. This change removes the need for Product Activation Keys (PAKs) and uses the Cisco Smart Software Manager (CSSM) to obtain the necessary authorization.



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Like all ISE deployments, ISE 3.1 can be deployed in a lab setting with the included 90-day evaluation license on your Smart Licensing portal. You can test ISE 3.1 prior to upgrading your entire network, ensure ISE VM Common License is working as planned, and then upgrade your production deployment.

How are licenses converted from legacy VM licenses to the VM Common license?

Each legacy VM license will be converted to a 1 VM Common license.

Upgrade from	Upgrade to	Ratio
R-ISE-VML-K9=	R-ISE-VMC-K9=	1:1
R-ISE-VMM-K9=	R-ISE-VMC-K9=	1:1
R-ISE-VMS-K9=	R-ISE-VMC-K9=	1:1

If you're using the old VM license (i.e., R-ISE-5VM-K9=), you should migrate the old VM license to the legacy VM Medium license ("R-ISE-VMM-K9=") and then migrate the legacy VM Medium license to the VM Common license.

How to migrate from the legacy VM Small, Medium, and Large licenses to VM Common licenses

Migrating to the new licensing scheme requires simple steps. The VM Common license is at the top of the license hierarchy, and it covers what VM Small, Medium, and Large licenses cover. As such, for the seamless customer experience, customers should migrate to the VM Common license before they upgrade the ISE image to the 3.1 release. Note that VM Small, Medium, and Large licenses do not cover what VM Common license cover, so the ISE 3.1 with the legacy VM license will be out of compliance.



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Migration for EA customers

Migration for Cisco DNA Premier EA customers

Customers should take the following steps to migrate from their legacy VM Small, Medium, and Large licenses to VM Common licenses:

- 1. If you have a Smart Account, log in to that account and go to step 5.
- 2. If you do not have a Smart Account, you will need to create one by navigating to <u>Cisco Software Central</u>.
- 3. From the Important News popup window, click "Get a Smart Account."

Important News	*
It's time to sign up for a Smart Account Easily view, store, and manage all your licenses.	
Customize your account to match your organization.	
Licenses are automatically added to your account when ordering.	
Smart Accounts are required to use Smart Licensing.	
Get a Smart Account Learn More Not Now	

Another option is to click "Request a Smart Account" in the Administration area on this page.





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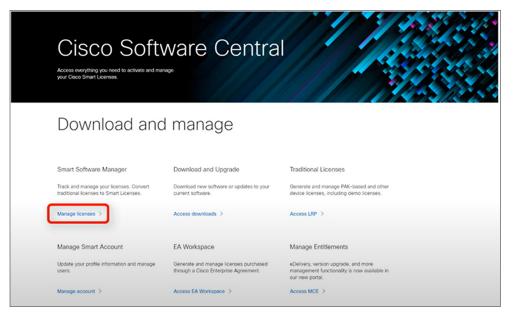
How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

- 4. Follow the process to create a Smart Account.
- 5. If your ISE licenses are in your Smart Account, go to step 7.
- 6. If your legacy VM licenses are PAK licenses, convert your existing PAK licenses to Smart Licenses and deposit them in your Smart Account as described in the "Convert Classic Licenses to Smart Licenses" short video or you may navigate to Software.Cisco.com and follow the below steps.
 - a. Click on "Manage License" link



b. Click on "convert to Smart licensing" link

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c. Select PAK file to convert.

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d. Next, Click "convert to Smart Licensing" link

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e. Once this window appears, select license from the PAK file, and click "Next"

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f. Verify the license to convert and click "Convert Licenses"

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g. Once the PAK file has been converted, it will be deposited into the smart virtual account. Choose the "Inventory" link.

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h. Click "Licensing" tab. Converted VM license will appear in the inventory. If expanded, the details shows that the license has been converted from a PAK, and the PAK serial number is also listed for verification.

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i. You will now have your VM Small, VM Medium, and VM Large licenses in your Smart Account,

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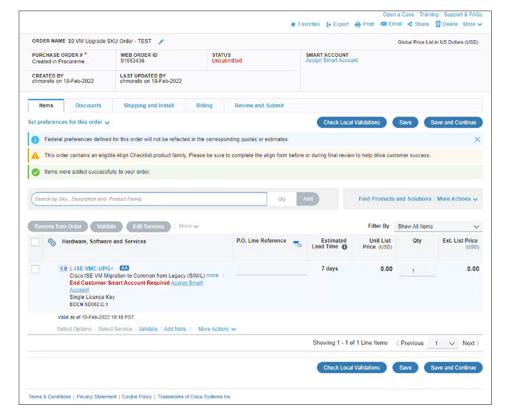
Migration for EA customers

Migration for Cisco DNA Premier EA customers

7. Purchase the VM License Upgrade PID in <u>Cisco Commerce Workplace</u> by following the below steps. The Upgrade PID is L-ISE-VMC-UPG= and it's \$0. Note that the Upgrade PID works only with the legacy VM licenses.

SKU	Estimated Lead Time ()	Unit List Price (USD)	Qty
Cisco Identity Services Engine Virtual Machine			
LISE-VMC-UPG= SS Cisco ISE VM Migration to Common from Legacy (S/M/L) Cisco Identity Services Engine Virtual Machine License Migration from Legacy (VMS/M/L) to Common Less Information	7 days	0.00	1 +

a. Click on "Assign Smart Account". Input your Smart and Virtual Account in the popup window. Then click "Assign"



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DER NAME SO VM Upgrade SKU Order - TEST 🖌		Global Price List in US Dollars (USD)
ssign Smart Account		>
End Customer Smart Account		
options :		
Select an Existing Account		~
Search for Another Account		
Search by: Domain Identifier		Clear Results
Suggested Smart Accounts for End Customer		
Account Domain 1D	Status	
CISCO SYSTEMS EMPLOYEE PURCHASE PROGRAM		ACTIVE
CISCO CONTROL CENTER		ACTIVE
CISCO CX CUST ONE		ACTIVE
et the Smart Account at Order Level		Assign Cancel
LISE-VMC-UPG= Cisco ISE VM Migration to Common from Legacy (S/ML) more End Customer Smart Account Required Assign Smart Account Single License Key ECCN 5002.C.1	7 days 0.00	0.00
Valid as of 18-Feb-2022 10:19 PST		
Select Options Select Service Validate Add Note More Actions ~		
	Showing 1 - 1 of 1 Line Items	< Previous 1 V Next >
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b. Input quantity of licenses required. Then click "Save and Continue"

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c. Review the summary order which will show \$0 owed. Then click "Submit Order".

				Save Submit Order
This Order requires partner to	provide Align Checklist. Click Her	e to initiate the process	and avoid any delays	
All orders for equipment and re dates.	elated software and services that	are submitted after Dece	ember 10, 2021 are non-ca	ncellable and non-returnable within 45 days of the scheduled delivery
		%		S
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Product Discount	(0.00%)	0.00		
Service Discount	(0.00%)	0.00		
Credits		0.00		
Total Effective Discount	(0.00%)	0.00		
Order Total		0.00		
Estimated Tax 🛈		-		
Max. Estimated Lead Time		7 days		
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ho should Cisco contact if there	is a problem?		Send additional order	submission notifications to the following email addresses
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4088537776				
.				
			Note: Multiple email addr aaa@bbb.com	esses can be entered using comma. Format ex: xxx@yyy.com,
mart Default Acknowledgement				
Reminder: The order you are sub check all fields prior to submitting	mitting includes information that v your order to ensure the accurac	vas auto-populated into y of your information.	some fields based on your	preferences, transaction history and other business rules. Be sure to
				Save Submit Order

- Submission Confirmed Thank you for placing Web Order ID #91653629 with Cisco. You will be notified according to your notification preferences once Cisco begins processing your order. TEST Order for L-ISE-VMC-UPG Active Price List Global Price List in US Dollars Purchase Order # Test Purchase Order 1 Total List Price 0.00 Deal ID N/A Discounts 0.00% (0.00) Web Order ID 91653629 Credits (0.00) Created by jabrar on 18-Feb-2022 Total Effective Discount 0.00% (0.00) Submitted by jabrar on 18-Feb-2022 Order Total 0.00 Max. Estimated Lead Time 7 days All prices shown in USD Terms & Conditions | Privacy Statement | Cookie Policy | Trademarks of Cisco Systems Inc
- d. A popup window confirms order submission.



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PART I. VM Common license in ISE 3.1

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How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

- 8. If you have trouble in purchasing upgrade PID via CCW, contact GLO Team to get the licenses manually deposited in customer's smart account.
- 9. Go to "License" under "Inventory" in Cisco Smart Software Management.
- 10. Under the ISE VM row, expanded details show the inventory of VM Common licenses pending with "Upgrade Pending" link.

					ISCO					0	
Cisco So	ftware Central > Smart	Software Licensing						illi			
Sma	rt Software L	icensing							Feedback Support Help		
Alerts	Inventory Convert	to Smart Licensing Rep	orts Preferences	On-Prem Acco	unts Activi	a,					
Virtua	Account:										
Gen	In Licenses	Product Instances	Event Log								
									By Name By Tag		
/	wallable Actions +	Manage License	ags Lice	nse Reservation	O	Show Licer	nse Transaction	Search by License	Q		
									Advanced Search -		
	License		Billing	Purchased	In Use	Substitution	Balance	Alerts	Actions		
•	Cisco ISE Virtual Machi	ine Large	Prepaid	100	0	To Lower: -6	+ 94		Actions 👻		
Θ	Cisco ISE Virtual Machi	ine Small	Prepaid	1	7	From Higher: +6	0		Actions +		
0	Source: PAK Conversion PAK H4RLSRWBXNB Subscription Id: N/A			IS-K9= ntity Servic e Product F	1	Expires. -never-					
•	Firepower MCv Device	License	Prepaid	10	0		+ 10		Actions +		
•	ISE Advantage		Prepaid	100	0		+ 100		Actions +		
•	ISE Essentials		Prepaid	100	0		+ 100		Actions +		
0	ISE Premier		Prepaid	100	0		+ 100		Actions +		
•	ISE VM		Prepaid	50 (+50	1		* 49	Upgrade Pending	Actions •		
				pending)							
۲	Maximum number of no transactions	ides entitled to TACACS+	Prepaid	30	3		- 27		Actions +		
									Showing All & Records		

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Migration for EA customers

Migration for Cisco DNA Premier EA customers

11. If expanded, the details will show the inventory of VM common licenses and VM common upgrade licenses with the upgrade licenses listed as pending. From here, select the action dropdown.

Cisc	o Software Central		cisco					Q	∉
	Cisco Software Central > Smart Software Licensing					÷			
	Smart Software Licensing						Feedback Support Help		
	Alerts Inventory Convert to Smart Licensing Re	ports Preferences On-Pr	em Accounts A	divity					
	Virtual Account:								
	General Licenses Product Instances	Event Log							
							By Name By Tag		
	Available Actions + Manage License	Tags License Reser	vation	Show Lice	ense Transactions	Search by License	٩		
							Advanced Search -		
	License	Billing Purch	ased In Use	Substitution	Balance Aler	5	Actions		
	Cisco ISE Virtual Machine Large	Prepaid	100 0	To Lower: -6	+ 94		Actions -		
	Cisco ISE Virtual Machine Small	Prepaid	1 7	From Higher: +6	0		Actions +		
	Source: PAK Conversion PAK H4RLSRVBXXB Subcorption Id: 14A	Sku R-ISE-VMS-K9= Family: Cisco Identity Servic es Engine Product F amily		Expires: -never-					
	Firepower MCv Device License	Prepaid	10 0		+ 10		Actions 👻		
	 ISE Advantage 	Prepaid	100 0		+ 100		Actions +		
	ISE Essentials	Prepaid	100 0		+ 100		Actions +		
	ISE Premier	Prepaid	100 0		+ 100		Actions +		
	O ISE VM		50 1 (+50 nding)		* 49 🕚	Upgrade Pending	Actions 👻		
	Source: Manual Entry Subscription Id. N/A	Skar R-ISE-VMC-K9= Family: Cisco Identity Servic es Engine Product F amily		Expires: 2024-Apr-08					
	Order # 113224045 Customer Line # 1134175342 PO: PR493404 INC Ship to: United State	Family: Cisco Identity Servic		Expires: -never-					
	Maximum number of nodes entitled to TACACS+ transactions	Prepaid	30 3		* 27		Actions +		
							Showing All & Records		



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How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

12. Choose "complete upgrade"

Ci	isco Software Central		cisc				$\mathbb{Q} \otimes \bigoplus_{en}^{US}$
	Cisco Software Central > Smart Software L	icensing			ili		
	Smart Software Licens	ing				Feedback Support Help	
	Alerts Inventory Convert to Smart Lic	censing Reports Preferences	On-Prem Accounts A	ctivity			
	Virtual Account:						
	General Licenses Produc	t Instances Event Log					
	Available Actions + Ma	nage License Tags	Reservation	Show Lice	inse Transactions Search by License	By Name By Tag	
						Advanced Search -	
	License	Billing	Purchased In Use	Substitution	Balance Alerts	Actions	
	Cisco ISE Virtual Machine Large	Prepaid	100 0	To Lower: -6	+ 94	Actions •	
	O Cisco ISE Virtual Machine Small	Prepaid	1 7	From Higher: +6	0	Actions 👻	
	Source: PAK Conversion PAK H4RLSRNBENNB Subcorption Id: N/A	Sku; R-ISE-VMS- Family: Cisco Identi es Engine Pi amily	y Servic	Expires: -never-			
	Firepower MCv Device License	Prepaid	10 0		+ 10	Actions 👻	
	ISE Advantage	Prepaid	100 0		+ 100	Actions 👻	
	ISE Essentials	Prepaid	100 0		+ 100	Actions +	
	ISE Premier	Prepaid	100 0		+ 100	Actions 👻	
	O ISE VM	Prepaid	50 1 (+50 pending)		• 49 O Upgrade Pending	Actions - Transfer,	
	Source: Manual Entry Subscription Id: N/A	Skar R-ISE-VMC- Family: Cisco Identi es Engine Pi amily	y Servic	Expires: 2024-Apr-08		Compinte Upgrade	-
	Ovder # 113224045 Line #: 1134175342 P.O.: PR493484	Customer: Skaz CISCO SYSTEMS L-ISE-VMC- INC Family: Ship to : Cisco Identit United States es Ergine P amily	y Servic	Expires: -never-			
	Maximum number of nodes entitled transactions	to TACACS+ Prepaid	30 3		+ 27	Actions +	
						Showing All & Records	



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Migration for EA customers

Migration for Cisco DNA Premier EA customers

13. Input the quantity of licenses to be upgraded and click "Apply".

Cisco So	Upgrade Licenses					×	
	STEP 1 Select Licenses	STEP 2 Review					
	Choose the quantity of upgrade lie	censes, and the current licenses to be replac	ed:				
	Upgrade To: ISE VM						
	Quantity: 1	Apply					
	Availabi						
	To Virtual Account	•					
	0 The tags assigned to the current lice	nses are not automatically assigned to the upgra	ide licenses.				
						Cancel Next	
	O Cisco ISE Virtual Machine Small	Prepaid	1 7	From Higher: +5	0	Actions +	
	Source: PAK Conversion PAK: H4RLSRWBXNB Subscription Id: N/A	Situ: R-ISE-VMS-K9= Family: Oisco Identity Servic es Engine Product F amily		Expires: -never-			
	Firepower MCv Device License	Prepaid	10 0		• 10	Actions +	
	ISE Advantage	Prepaid	100 0		- 100	Actions +	
	ISE Essentials	Prepaid	100 0		- 100	Actions +	
	ISE Premier	Prepaid	100 0		+ 100	Actions +	
	O ISE VM	Prepaid	50 1		• 49 O Upgrade Pending	Actions +	
			(+50 nding)		the oppositionary		
	Source: Manual Entry Subscription Id: N/A	Sku: R-ISE-VMC-K9= Family Cisco Identity Servic es Engine Product F amily		Expires: 2024-Apr-08			
	Order # 113224045 Line # 1134175342 P.O.: PR493484	Customer Sits: CISCO SYSTEMS L-ISE-VMC-UPG= INC Family: Ship to Cisco Identity Servic United States es Engine Product F amily		Expires: -never-			
	Maximum number of nodes entities transactions	ed to TACACS+ Prepaid	30 3		+ 27	Actions +	
						Showing AI & Records	



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Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

14. On this screen, an option to choose "Perpetual to Perpetual" to ISE VM from ISE VM Small is shown. Select and click "Next"

-			de de		0 0 0
Cisco So	Upgrade Licenses			×	
	STEP 1 Select Licenses	STEP 2 Roview			
	Choose the quantity of upgrade lice	enses, and the current licenses to be replaced:			
	Upgrade To: ISE VM				
	Quantity: 1	Apply			
	Available	50			
	To Virtual Account	•			
	Option Upprade To		Replaces Current (In Virtual Account		
	Perpertual to Perpetual				
	ISE VM		Cisco ISE Virtual Machine Small		
	Quantity: 1		Quantity: 1		
	Expires - never -		Expires: - never -		
	0 The taos assigned to the current licer	ses are not automatically assigned to the upgrade licer	545.		
		and the second se			
				Cancel Next	
		es crighe Product P amily			
	Order #: 113224045	Customer: Siaz 5	0 (pending) Expires:		
	Line #. 1134175342 P.O.: PR493484	CISCO SYSTEMS L-ISE-VMC-UPG= INC Family	-never-		
		Ship to Cisco Identity Servic United States es Engine Product F			
		amiy			
	Maximum number of nodes entities transactions	to TACACS+ Prepaid 30	3 · • 27	Actions +	
				Showing All 8 Records	



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Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

15. Review the license upgrade and click "Submit"

Cisco S	Upgrade Licenses						×	C	CM	⊕ ^{US} EN
	STEP 1 ~ Select Licenses	STEP 2 Review								
	Confirm the licenses to be upgraded an In Virtual Account	and replaced								
	Upprade To: ISE VM	Quantity: 1								
	Licenses Replaced:	Expires - never -								
	These will be removed from your inventory									
	Cisco ISE Virtual Machine Small	Quantity: 1 Expires - never -								
	Result of Ferror the Ferror with	the excited evolution data	en unersided fast							
	Perpetual licenses, then licenses with t	the earliest expiration date	re upgraded first.							
	Perpetual licenses, then licenses with t									
						Cancel	Back Submit			
				_	_	Cancel	Back Submit			
		s are not automatically assigne Sinc Failth Gibbo Gibbo Gibbo Gibbo Gibbo	to the upgrade licenses. (+50 pending)	50 Express 2024-Apr-68		Cancel	Back Submit			
	The logit assigned to the current locences Baserie: Menual Dely Baserie: Menual Dely Baserie: Manual Del	s are not automatically assigned Bioc R-355 Pinnin Contrame et al. Pinnin Contrame Statistics Pinnin Contrame Statistics Pinnin Contrame Pinnin Pinni	(-50 pending) AMC-K9: pending)	2024-Apr-08		Cancel	Bok Edunit			
	The logit assigned to the current locences Baserie: Menual Dely Baserie: Menual Dely Baserie: Manual Del	a see not automatically assigned Resta Financial Control Contr	(-50) penteng) MC-KBr sentry SentC se Moduct F 50 (send MC-UPO =	2024-Apr-06 19) Expires: -newer-	-31		Sack Endowed			

16. The change in quantity of ISE VM license and VM Small license will be reflected.

Cisco Softw	are Central		, i	linin Isco					Q	
Cisco	Software Central > Smart Software Licensin	10					ŝ			
Sn	Smart Software Licensing							Feedback Support Help		
Alerts	Inventory Convert to Smart Licensing	Reports Preference	s On Prem Accou	ints Activit	v					
Virt	ual Account:									
Q	eneral Licenses Product Instar	ces Event Log								
								By Name By Tag		
	Available Actions + Manage L	icense Tags Lice	inse Reservation	0	Show Licer	nse Transactions	Search by License	٩,		
								Advanced Search -		
C	License	Billing	Purchased	In Use	Substitution	Balance Ale	erts	Actions		
(Cisco ISE Virtual Machine Large	Prepaid	100	0	To Lower -7	- 93		Actions +		
(Cisco ISE Virtual Machine Small	Prepaid	0	7	From Higher: +7	0		Actions +		
(Firepower MCv Device License	Prepaid	10	0		- 10		Actions +		
(ISE Advantage	Prepaid	100	0		+ 100		Actions +		
(ISE Essentials	Prepaid	100	0		+ 100		Actions -		
0	ISE Premier	Prepaid	100	0		+ 100		Actions +		
c	ISE VM	Prepaid	51 (+49 pending)	1		+ 50 O	Upgrade Pending	Actions +		
c	Maximum number of nodes entitled to TAC transactions	CACS+ Prepaid	30	з		- 27		Actions +		
								Showing At 8 Records		

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Migration for EA customers

Migration for Cisco DNA Premier EA customers

17. The quantity of pending upgrade will also decrease in line with the quantity of license upgrade inputted. Expanded ISE VM entry shows the additional item from the upgrade which has just been completed.

sco Softw	are Central				ISCO					Q	(CM)	
Cisco	Software Central > Smart Software Lie	censing						ŝ				
Sm	art Software Licensi	ng							Feedback Support Help			
Alerts	Inventory Convert to Smart Lice	nsing Reports	Preferences On-Pre	em Accou	nts Activi	a.						
Virtu	al Account:											
G	meral Licenses Product	Instances Ev	ent Log									
									By Name By Tag			
	Available Actions + Mar	age License Tags	License Reserv	ation	0	Show Licer	nse Transactions	Search by License	٩,			
									Advanced Search ~			
C	License	Bi	ling Purch	ased	In Use	Substitution	Balance A	Jerts	Actions			
e	Cisco ISE Virtual Machine Large	Pr	epaid	100	0	To Lower7	+ 93		Actions 👻			
0	Cisco ISE Virtual Machine Small	Pr	repaid	0	7	From Higher: +7	0		Actions -			
0	Firepower MCv Device License	Pr	epaid	10	0		+ 10		Actions +			
G	ISE Advantage	Pr	repaid	100	0		+ 100		Actions +			
0	ISE Essentials	Pr	repaid	100	0		+ 100		Actions +			
0	ISE Premier	Pr	repaid	100	0		+ 100		Actions +			
e) ISE VM	Pr		51 (+49 ding)	1		• 50	Upgrade Pending	Actions 👻			
C) Order # 113224045 Line # 1134175342 P.O. PR493484	Customer CISCO SYSTEMS INC Ship to : United States	Skar L-ISE-VMC-UPG= Family: Cisco Identity Servic es Engine Product F amily		1	Expres: -never-						
C) Source: Manual Entry Subscription Id: N/A		Skar R-ISE-VMC-K9= Family: Cisco Identity Servic es Engine Product F amily		50	Expres: 2024-Apr-08						
C) Order # 113224045 Line # 1134175342 P.O.: PR493484	Customer CISCO SYSTEMS INC Ship to : United States	Sinz L-ISE-VMC-UPG= Family Cisco Identity Servic es Engine Product F amily		pending)	Expres: -never-						
0	Maximum number of nodes entitled transactions	ID TACACS+ PT	repaid	30	3		- 27		Actions +			
									Showing All & Records			



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PART I. VM Common license in ISE 3.1

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Migration for EA customers

Migration for Cisco DNA Premier EA customers

18. On the ISE licensing page, VM Small, Medium, and Large license are listed. Once the VM common license is used by the system, a single entry will be shown for the ISE VM license.

	SE							Administ	ration - System
ployment	Licensing	Certificates	Logging N	faintenance	Upgrade	Health Checks	Backup & Restore	Admin Access	Settings
sco Smart	Licensing								
		require PAK-based	contraction france						
enses are eas	ey to register, ac smart Software I								
Renew Registr	ration 🛈 🌔	Deregister 🛈							
DI Details									
oduct Identifie	ISE-V	м-к9							
rsion Identifie	r V01								
rial Number (S cense Type		JGJNL6							
servation to e	nable all Cisco	cquire pre-purchase ISE licenses, Enter the the terms and condi	no required details	to enable Cisco I	SE licenses. Wh				
Smart Licen	sing Registratio	n							
Permanent L	license Reserva	tion							
Specific Lice	ense Reservatio	n							
Registration D	Details								
censes									
		Enable to acquire the Disable to release unu			uthorize the enab	led licenses.			
		C Refresh							
	~ Disable	C Hollesh							
V Enable									
Licens	ie Sta	itus	Compliance		Consumption C	ount" Days	Out of Compliance	Last Authorizatio	n
	e Sta	itus	Compliance		Consumption C	ount* Days	Out of Compliance	Last Authorizatio	•
Licens			Compliance Released Entitie			ount* Days	Out of Compliance	Last Authorizatio	•
Licens	i Ena	bled		ement g			Out of Compliance		•
Licens Tier Essentia	i Ene	bled	Released Entitie	ement g			Out of Compliance		•
Licens Tier Essentia Advanta	i Ena ge Ena Ena	bled bled	Released Entitie	ement g ement g ement g			Out of Compliance		•
Licens Tier Essentia Advantar Premier	e Ena ge Ena Ena Admin Ena	bled bled	Released Entitie Released Entitie Released Entitie	ement g ement g ement g			Out of Compliance	*	a

19. After the migration is completed, you can upgrade your ISE deployment to ISE 3.1.

What will happen to existing legacy VM licenses

Customers who are on ISE 2.X and ISE 3.0 can continue to use the legacy VM licenses until the end-of-life date of the licenses. They also can migrate the legacy VM licenses to the VM Common license and stay on ISE 2.X or ISE 3.0.

Table 1. Virtual Machine License Use-Cases

License on re	lease	Pre-2.4 release	Release 2.4, 2.6, 2.7, and 3.0	Release 3.1 and later
VM license	New (VM Common: R-ISE-VMC-K9=)	Licensed with smart licens	ing enforcement	
	Legacy (VM Large: R-ISE-VML-K9=) (VM Medium: R-ISE-VMM-K9=) (VM Small: R-ISE-VMS-K9=)	Licensed with no enforcement	Licensed with PAK and smart licensing enforcement	License migration to Common is required
	Old (R-ISE-10VM-K9=) (R-ISE-5VM-K9=) (R-ISE-VM-K9=)	Licensed with no enforcement	License migration to Legacy or Common is required(*)	License migration to Common is required(*)

(*) Note that you can't directly upgrade your old VM license to the VM Common license. You must upgrade it to the VM Medium license first.

Downgrade from the VM Common license to the legacy VM licenses

Downgrade is not available. However, customers can use the VM Common license for ISE 3.0 and later. In this case, the VM Common license will work as the VM Large license does.

Note that the VM Common license supports only Smart Licensing, and you need to replace the VM Common PID with the legacy VM PID if you want to go back to Classic Licensing by opening a case with the GLO team.

Support associated with the legacy VM licenses

When customers upgrade the version of their legacy VM to VM Common license, they can continue to receive support based on the support contract purchased on legacy VM license PID. They can renew the support until the legacy VM license PID is EOL and reaches last date of service renewal per the EOL bulletin. There is no support migration. For seamless support, the customer should request the legacy VM PID to be replaced with the desired VM PID in order to renew and receive support.



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Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

Pre-ISE 2.4 release to VM Common license

Customers with the old VM license (i.e., R-ISE-10VM-K9=) cannot directly migrate the VM license to the VM Common license. They must migrate it to the VM Medium license, first. To do so, email <u>licensing@cisco.com</u> with the sales order numbers that reflect the ISE VM purchase and your Cisco ID.

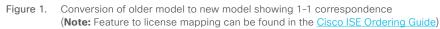
PART II. Smart Licensing in ISE 3.0 and later

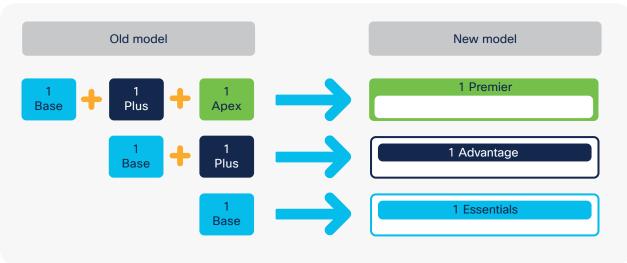
Evaluating ISE 3.0

Like all ISE deployments, ISE 3.0 can be deployed in a lab setting with the included 90-day evaluation license on your Smart Licensing portal. You can test ISE 3.0 prior to upgrading your entire network, ensure Smart Licensing is working as planned, and then upgrade your production deployment.

How are licenses converted from Base, Plus, and Apex to Essentials, Advantage, and Premier licenses?

When converting existing licenses to the new scheme, the licenses will be migrated using the following rules. While functionality will be retained across licenses, notice that the license count might be different to what the Base/Plus/Apex license count is, and that all licenses will have an expiry date:





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PART II. Smart Licensing in ISE 3.0 and later

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How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

How to renew existing ISE Base, Plus, and/or Apex licenses

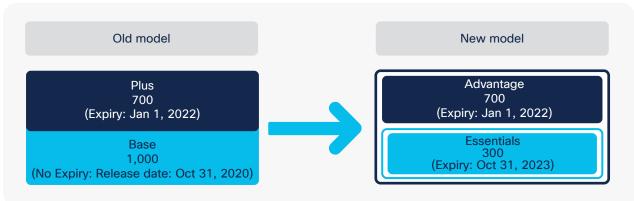
Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

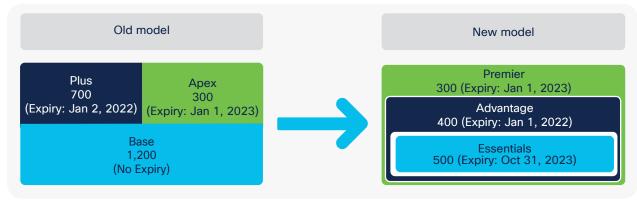
Example 1: Base and Plus conversion

Figure 2. Example showing an older model with Base and Plus licenses



Example 2: Base, Plus, and Apex conversion

Figure 3. Example showing an older model with Base, Plus, and Apex licenses



Note: Because the Cisco ISE Essentials, Advantage, and Premier licenses are term based, your existing Base licenses will be converted to term-based Essentials licenses that will expire on the set date of October 31, 2023. Each Plus and Base license converted to a Cisco ISE Advantage license will expire on the same date that your Plus license would have expired, and similarly, each Apex, Plus, and Base license converted into a Cisco ISE Premier license will expire on the date of Plus or Apex, whichever is the longest.

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PART II. Smart Licensing in ISE 3.0 and later

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How are licenses converted from Base, Plus, and Apex to Essentials, Advantage, and Premier licenses?

How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

As can be seen in Figure 3 above, if the existing Plus license expires on January 1, 2022, the existing Apex licenses expire on January 1, 2023, and the new converted licenses' expiry dates will be as follows:

- · 300 Premier licenses (300 Apex + 300 Plus + 300 Base) expiring on January 1, 2023
- 400 Advantage licenses (remaining 400 Plus + 400 Base) expiring on January 1, 2022
- 500 Essentials licenses (remaining 500 Base) expiring on October 31, 2023

How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

Migrating to the new licensing scheme requires simple steps to convert your existing PAK licenses to Smart Licenses. ISE will reach out to the Smart Licensing Portal and will enable features and capabilities based on what licenses are available on the portal. As a result, ISE needs network connectivity to reach the CSSM. ISE currently does not support PLR, Satellite (On-Premises SSM), or SLR, and support for PLR and Satellite will be introduced soon on the 3.0 release.

Customers should take the following steps to migrate from their existing Base, Plus, and Apex licenses to the new Essentials, Advantage, and Premier licenses:

- 1. If you have a Smart Account, log in to that account and go to step 5.
- 2. If you do not have a Smart Account, you will need to create one by navigating to <u>Cisco Software</u> <u>Central</u>.
- 3. From the Important News popup window, click "Get a Smart Account."



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PART I. VM Common license in ISE 3.1

Evaluating ISE 3.1

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Pre-ISE 2.4 release to VM Common license

PART II. Smart Licensing in ISE 3.0 and later

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How are licenses converted from Base, Plus, and Apex to Essentials, Advantage, and Premier licenses?

How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

Another option is to click "Request a Smart Account" in the Administration area on this page.

\mathbf{x}							
Administration							
All Users:	Additional for Partners:						
Get a Smart Account Create a Smart Account for your company or organization	Request a Partner Holding Account Request a holding account used to transfer assets to customers						
Request Access to an Existing Smart Account Submit a request for access to a Smart Account	Request a Smart Account for your Customer You initiate the account request, and your customer will approve it						
Manage Smart Account Modify the properties of your Smart Accounts and associate individual Cisco Accounts with Smart Accounts. Learn about Smart Accounts Access documentation and training.	Manage Pending Smart Accounts View the properties of Smart Accounts in 'Pending' status requested on behalf of Customers and take actions to activate the Smart Accounts						

4. Follow the process to create a Smart Account.

- 5. If your ISE licenses are in your Smart Account, go to step 7.
- 6. If you have PAK licenses, convert your existing PAK licenses to Smart Licenses and deposit them in your Smart Account as described in the "Convert Classic Licenses to Smart Licenses" short video.
- 7. Navigate to the <u>Support Case Management System</u> to request conversion from Base/Plus/Apex licenses to the new Essentials/Advantage/Premier licenses.
- 8. Select "Security Related Licensing" under "CSSM & LRP Issues" and click "OPEN CASE."



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Pre-ISE 2.4 release to VM Common license

PART II. Smart Licensing in ISE 3.0 and later

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How are licenses converted from Base, Plus, and Apex to Essentials, Advantage, and Premier licenses?

How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

Figure 4. Security related licensing

esco Products & Se	rvices	Open a New Case for Software Licensing Support	Х
🕂 🥥 Webex Meetin	gs	Choose a Category	
Webex Teams	& Webex Calling	Q	
Webex Messe	nger	CSSM & LRP ISSUES	
disto Software Licer	nsing	Security Related Licensing	
		Collaboration Related Licensing	
A.		Routing/Switching Related Licensing	
		Data Center Related Licensing	
		Other/Non-Technology Specific	
		OnPrem CSSM (Satellite)	
		OTHER LICENSING PORTALS	
		Customer Device Activation (CDA)	
		SDWAN - PNP Related Issues	

- 9. In the "Title" field, add a note that you are requesting migration from ISE Base/Plus/Apex to ISE Essentials/Advantage/Premier.
- 10. In the "Problem Description" field, provide your Smart Account ID as created in the previous steps, in which the conversion should occur. Provide the license types (Base, Plus, and/or Apex), the license expiry date for each, and the license count for each license that you want to convert to the new licenses.
- 11. Select "Open Case" and submit the case.
- 12. The Cisco Global License Operations team will migrate your existing Smart License(s) to the new ISE licensing scheme.



Overview

PART I. VM Common license in ISE 3.1

Evaluating ISE 3.1

How are licenses converted from legacy VM licenses to the VM Common license?

How to migrate from the legacy VM Small, Medium, and Large licenses to VM Common licenses

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Downgrade from the VM Common license to the legacy VM licenses

Support associated with the legacy VM licenses

Pre-ISE 2.4 release to VM Common license

PART II. Smart Licensing in ISE 3.0 and later

Evaluating ISE 3.0

How are licenses converted from Base, Plus, and Apex to Essentials, Advantage, and Premier licenses?

How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

- 13. After the migration is completed, you can upgrade your ISE deployment to ISE 3.0.
- 14. Ensure you configure the above virtual account in ISE so it can connect to the Smart Licensing portal and correctly consume licenses. For more information on configuring Smart Licensing for ISE 2.7, refer to <u>CISE Admin Guide 2.7</u> and for ISE 3.0, refer to <u>CISE Admin Guide 3.0</u>.

Note: ISE provides a 90-day grace period with Smart Licensing. This is a cumulative counter so it will continue from the total number of evaluation days you have used prior to the 3.0 release.

Note: Some features in ISE have moved to a new license. The license structure, given the nested doll model, provides the customers the entitlement for all the features that are nested. Please reach out to your Cisco account team if you have any questions on the migration.

How to renew existing ISE Base, Plus, and/or Apex licenses

Customers who are on ISE 2.X software can continue to renew existing ISE Base, Plus, and/or Apex licenses until the <u>end-of-sale</u> date for those licenses. There is no need to migrate to the new Essentials, Advantage, or Premier licenses in this scenario. If you do plan to upgrade to Cisco ISE 3.0 and you plan on renewing after Cisco ISE Base, Plus, and Apex licenses are no longer available for purchase, you will be required to go through the migration process as specified above so that PAK licensing is transitioned to Smart Licensing (if not already using Smart Licensing).

Rolling back from ISE 3.0 to the ISE 2.X release

In terms of licenses, a rollback from 3.0 to a 2.X version would mean that the ISE deployment will require the ISE Base, Plus, and/or Apex licenses. In this scenario, follow the process outlined below to convert from the ISE Essentials, Advantage, and Premier licenses back to ISE Base, Plus, and Apex licenses:

- 1. Log in to your Smart Account and navigate to the <u>Support Case Management System</u> to request conversion from the new Essentials/Advantage/Premier licenses to the old Base/Plus/Apex licenses.
- 2. Select "Security Related Licensing" under "CSSM and LRP Issues" and click "OPEN CASE."



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PART I. VM Common license in ISE 3.1

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What will happen to existing legacy VM licenses

Downgrade from the VM Common license to the legacy VM licenses

Support associated with the legacy VM licenses

Pre-ISE 2.4 release to VM Common license

PART II. Smart Licensing in ISE 3.0 and later

Evaluating ISE 3.0

How are licenses converted from Base, Plus, and Apex to Essentials, Advantage, and Premier licenses?

How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

Figure 5. Security related licensing

esco Products & Services	Open a New Case for Software Licensing Support	×
🔾 Webex Meetings	Choose a Category	
Webex Teams & Webex Calling	Q	
Webex Messenger	CSSM & LRP ISSUES	
tisse Software Licensing	Security Related Licensing	
	Collaboration Related Licensing	
	Routing/Switching Related Licensing	
	Data Center Related Licensing	
	Other/Non-Technology Specific	
	OnPrem CSSM (Satellite)	
	OTHER LICENSING PORTALS	
	Customer Device Activation (CDA)	
	SDWAN - PNP Related Issues	

- 3. In the "Title" field, add a note that you are requesting a conversion from ISE Essentials/Advantage/ Premier to ISE Base/Plus/Apex.
- 4. In the "Problem Description" field, provide your Smart Account ID, in which the conversion should occur. Provide the license types, the expiry dates for the licenses, and the license count you want to convert to the old licenses.
- 5. The Cisco Global License Operations team will migrate your new Smart License(s) to the Base/ Plus/Apex licensing scheme.
- Ensure you configure the above virtual account in ISE so it can connect to the Smart Licensing portal and correctly consume licenses that have been converted to the new ISE license types. Check the Licensing page on the ISE admin portal to confirm that ISE is connected to the CSSM.

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PART I. VM Common license in ISE 3.1

Evaluating ISE 3.1

- How are licenses converted from legacy VM licenses to the VM Common license?
- How to migrate from the legacy VM Small, Medium, and Large licenses to VM Common licenses
- What will happen to existing legacy VM licenses
- Downgrade from the VM Common license to the legacy VM licenses
- Support associated with the legacy VM licenses

Pre-ISE 2.4 release to VM Common license

PART II. Smart Licensing in ISE 3.0 and later

Evaluating ISE 3.0

How are licenses converted from Base, Plus, and Apex to Essentials, Advantage, and Premier licenses?

How to migrate from old Cisco ISE Base, Plus, and Apex licenses to new Cisco ISE Essentials, Advantage, and Premier licenses

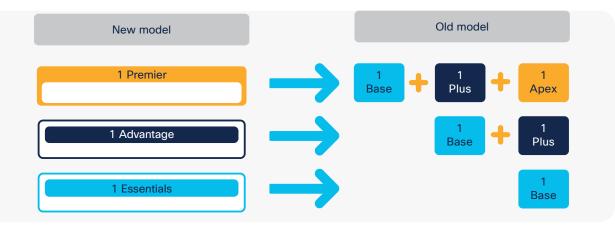
How to renew existing ISE Base, Plus, and/or Apex licenses

Rolling back from ISE 3.0 to the ISE 2.X release

Migration for EA customers

Migration for Cisco DNA Premier EA customers

When Essentials, Advantage, and Premier are converted to the Base, Plus, and Apex licenses, they will be converted to the corresponding terms, including the Base license. The conversion will be as shown:



Migration for EA customers

Customers who purchased old ISE licenses through the EA program might have their own expiry dates for each license as per EA terms. EA terms will be honored, and customers can continue to enjoy new ISE licenses after migrating from the old licenses until the original expiry date under the EA program. Essentials licenses converted from Base will expire on the later date, between EA term end date and October 31, 2023.

Security Choice EA customers need to finalize migration to ISE 3.0 via change subscription capability on CCW once it is available in the April 2020 timeframe. EA workspace will be updated only after a customer changes their subscription on CCW.

The EAWS consumption view, displays only the licenses generated from the EA portal. The EAWS works unidirectional, that is licenses converted will directly be deposited into CSSM. In the current state of EAWS portal, it won't know if the ISE Base/Plus have been converted to ISE-Advantage later, which is outside it's parameter. The EAWS portal will still display generated ISE-Base/Plus, as ISE 3.0 has not been added to EA program.

Migration for Cisco DNA Premier EA customers

DNA Premier EA customers should follow the same migration process as non-EA customers by following the ISE Migration guide. The migration to ISE 3.0 for DNA EA customers is same as transactional ISE customers. Please note that the conversion of ISE 2.x to 3.0 happens in the smart account and their entitlements/consumption quantities in EAWS do not change.

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