# Upgrade de Multicloud Defense Gateway vanuit de Multicloud Defense Controller

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## Inleiding

Dit document beschrijft het upgradeproces van de Multicloud Defense Gateway vanaf de Multicloud Defense Controller.

## Voorwaarden

Vereisten

Cisco raadt kennis van de volgende onderwerpen aan:

- Multicloud Defense-controller
- Multicloud Defense-gateway

### Gebruikte componenten

De informatie in dit document is gebaseerd op de volgende software- en hardware-versies:

• Multicloud Defense Gateway versie 23.08-14.0

De informatie in dit document is gebaseerd op de apparaten in een specifieke laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk live is, moet u zorgen dat u de potentiële impact van elke opdracht begrijpt.

## Achtergrondinformatie

Het upgradeproces heeft geen operationele impact of downtime. Multicloud Defense Controller maakt een nieuwe set van instanties met de nieuwe versie van de afbeelding. Zodra de nieuwe instanties beschikbaar zijn, begint de gateway met het verwerken van verkeer. Zodra het verkeer op de oude instanties wordt gespoeld, worden de oude instanties geschrapt.

### Configureren

### Upgrade de Multicloud Defense Gateway

Deze beelden tonen het proces om de Multicloud Defence Gateway te bevorderen. Zowel Ingress als uitgaande gateway upgrade proces zijn hetzelfde.

1. Meld u eerst aan bij uw Multicloud Defense Controller en navigeer naar Manage > Gateways.

cisco Multiclou	d Defense									0	θI	A Admin: CDO_ci	Imatuscl@cis sco-multicloud	sc d-
Dashboard	Discover	Investigate	Manago	e Report	Administration									
V Favorites	Gate	eways: 2												
will go here	Filte	ers and Search	Switch to /	Advanced Search										~
Setup	N	ame	~ c	SP Account	<ul> <li>✓ CSP Type</li> </ul>	X: V	x v (	State ×	~ Instance	Type	X 5	Mode	×	÷
Security Policies	_													
Rule Sets	Add	Gateway Acti	ons +										R	efresh
Addresses	_							Augusta Marca	M=04-			Dunning A		in and
Services		Name \$	:	Account \$	CSP Type \$	Instance Type 🗘 🚦	Region 🗘 🚦	Zones	E Instance	k ⊊ IS	1	Running = Instances	i Pol Sta	atus
Certificates		ingress-us-eas	t-1-gw )	vly-AWS-Account	AWS	AWS_M5_LARGE	us-east-1 - US East	1	1/1			1	۲	Updated
EQUNS		new_GW-Test		vy-AWS-Account	AWS	AWS_M5_LARGE	us-east-1 - US East	1	1/1			1	۲	Updated
Profiles	_													
Decryption														
IPS/IDS														
Data Loss Prevention														
Anti Malware														
WAF														
Layer 7 DOS														
URL Filtering														

Afbeelding 1. Gatewaylijst

2. Identificeer en selecteer de gateway die u wilt upgraden. U kunt op dit moment slechts één selectie maken.



Afbeelding 2. Gatewaygegevens.

#### 3 bis. Selecteer Upgrade uit het venster met toegangsdetails.

cisco Multicloud D	efense		© Q	A Admin: Imatuscl@cisc CDO_cisco-multicloud- tac
Dashboard	Discover Investigate Manage Report	Administration		
V Favorites Fix Pinned navigation items will go here	Gateways: 2	Details Edit	Send Diagnostics Upgrade Abort 2	ast Modified: X024-03-12T22:12:09.208Z
Setup	Filters and Search Switch to Advanced Search	Summary Cloud Details	Interfaces Instances Settings Troubleshooting Terraform Export	
Security Policies Rule Sets	Add Gateway Actions -	Name State Description	ingress-us-east-1-gw-01 ACTIVE	
Addresses Services Certificates	Name ♀         Account ♀           ingress-us-east-1-gw         My-AWS-Account	Instance Type Min/Max Instances	AWS_MS_LARGE	
Profiles	new_GW-Test My-AWS-Account	Mode Policy Rule Set	HUB / Ingress ciscomcd-sample-ingress-policy-ruleset ciscomcd-sample-ingress-policy-ruleset ciscomcd-Lioneneousti-59665564692330 ob us-aast-1 amagapapus com	
Decryption IPS/IDS Data Loss Prevention		Image Packet Capture Profile	https://valtix-controller-mcdus.s3.amazonaws.com/dpimages/23.08-14/appliance.bin	
Anti Malware WAF		Log Profile Metrics Profile		
URL Filtering FODN Filtering Threat Research		NTP Profile BGP Profile		

Afbeelding 3. U kunt de gateway upgraden vanaf het tabblad Details.

#### 3. b. U kunt ook Actions > Upgradeselecteren.

ılıılı cısco	Multicloud D	efense	•															0	¢	I	A Admin CDO_c tac	: Imatuscl isco-multi	l@cisc icloud- ✓
				Investiga	te Ma	anage	Report	Admi	inistration														
<ul> <li>Favorites</li> <li>Pinned navig</li> </ul>	Fx gation items	Ga	tew	ays: 2																			
will go here		Fi	lters ar	nd Search	Switch	h to Advanc	ced Search																^
Setup			Name			CSP Acco	unt	÷	CSP Type	×	~	Region	×	-	State	×	· y	Instance Typ	ie )	c v	Mode		x ~
Security Po	olicies	_		-																			
Rule Sets		A	dd Gate	way	Actions +																		Refresh
Addresses					Edit										Avail	ability 🛎		Min/Max 3			unning 🚔		Policy Pule
Services				Name 🗘	Upgrade	Accour	nt≑	1	CSP Type \$	Instanc	е Туре 🗘	:	Region \$		Zone	s s	:	Instances		: ;	nstances		Status
Certificates	5			ngress-u	Abort	My-AW	S-Account	2	AWS	AWS_M5	LARGE		us-east-1 -	US East	1			1/1		1			<ul> <li>Updated</li> </ul>
FQDNS			1	new_GW-	Disable	My-AW	S-Account		AWS	AWS_M5	LARGE		us-east-1 -	US East	1			1/1		1			Updated
Profiles Decryption					Export Delete	-																	
IPS/IDS																							

Afbeelding 4. U kunt de gateway upgraden vanaf de knop Actie.

4. Selecteer het uitrolmenu om de beschikbare gatewayversies weer te geven. Selecteer vervolgens de doelversie en sla de wijzigingen op.

cisco Multicloud De	fense		0	Q	Admin: Imatuscl@cisc CDO_cisco-multicloud- tac
Dashboard	Discover Investigate Manage Report	Administration			
V Favorites	Gateways: 2	Upgrade Gateway(s)			
will go here	Filters and Search Switch to Advanced Search	Select the image for the upgrade. This process can take several minutes to complete.			
Setup	Care Care Care Care	Gateway Image 🔹 23.10-03   23.10-03 (10th Jan, 2 🗴 👻 🞜			
	Name CSP Account				
Security Policies		The selected image will be applied to the following Gateway(s):			
Rule Sets	Add Gateway Actions	Gateway Current Version			
Addresses		ingress-us-east-1-gw-01 23.08-14			
Services	Name  Account				
Certificates	ingress-us-east-1-gw My-AWS-Account				
FQDNs	new_GW-Test My-AWS-Account				
Profiles					
Decryption					
IPS/IDS					
Data Loss Prevention					
Anti Malware					
WAF					
Layer 7 DOS					
URL Filtering					
FQDN Filtering Threat Research					
Networking					
Cloud Accounts					
Gateways	Displaying Gateways 1 - 2 25 $\checkmark$ < >	Cancel Save			



Bevestig de brontoewijzing van de cloud-serviceprovider die nodig is voor de upgrade.

6. Selecteer **Yes** of de toewijzing van middelen volstaat. Klik op No als de resourceverdeling ontoereikend is, verhoog de resourceverdeling in de cloud-serviceprovider en ga terug om door te gaan met de upgrade.

cisco Multicl	oud Defe	ense											?	Q	A 2	Admin: Imatuscl@cisc CDO_cisco-multicloud- ✓ ac
Dashboi			te Mana	ige Report												
V Favorites Pinned navigation items	FX s	Gateways: 2			Upg	rade Gate	eway(s)									
will go here		Filters and Search	Switch to	o Advanced Sea	rcl Select th	he image for the	upgrade. This	process can t	ke several minu	tes to complete						
Setup	Upgrad	le Notice														
Security Policies Rule Sets Addresses	Yo 23	u are about to upgrad .10-03   23.10-03	le the followi	ing gateways wi	ith:											
Services			Current Reso	ources			Resources N	eeded During l	lpgrade*		Resulting Re	sources				
Certificates	G	ateway	Elastic IPs	LBs	GW LBs	Instances	Elastic IPs	LBs	GW LBs	Instances	Elastic IPs	LBs	GW	LBs	Instances	
FQDNs	ing	gress-us-east-1-gw-01	2/5	1 / 50	1 / 100	1152		1	1	1	2	2	2		-	
Profiles	*Du	ring the upgrade, Valtix will	deploy additional	I resources with new	settings and m	igrate over once i	t is complete. Exi	ting resources as	sociated to previou	is settings will be o	deleted after migr	ation.				
Decryption IPS/IDS	Th	is process can take s	everal minute	es to complete.	Do you war	nt to continue	?									
Data Loss Prevention Anti Malware							No	Yes								
Layer 7 DOS																
URL Filtering																
FODN Filtering Threat Research																
Networking																
Cloud Accounts Gateways		Displaying Gateways	1 - 2 25							Cancel	Save					

Afbeelding 6. Toewijzing van middelen in de cloud-serviceprovider.

### Verifiëren

Controleer het upgradeproces vanaf de Gategay List.

Het proces kan enkele minuten duren voordat het is voltooid. U kunt het proces vanaf de pagina van de gatewaylijst controleren.

Navigeer naar Manage > Gateways.

iliilii cisco	Multicloud D	efense	)														(?)	¢	I	A Admin CDO_c tac	imatusci isco-multi	Bcisc cloud- 🗸
			r Investiga	te N	Aanage	Report	Admin	Istration														
<ul> <li>Favorites</li> <li>Pinned navig</li> </ul>	म्द्रि gation items	Ga	teways: 2																			
will go here		Fil	ters and Search	Swit	ch to Advan	ced Search																^
Setup			Name	~	CSP Acco	ount	~	CSP Type		x v	Region		× •	State	×	~	Instance Type	×	~	Mode		c ~
Security Po	olicies	_																				
Rule Sets		Ad	id Gateway	Actions +																		Refresh
Addresses Services		:	Min/Max Instances		Running Instances	• 1	Polic	yRule ≎ /s	:	State ≑			lmage ≑	:	Gateway Endpoint	:	Security	¢	1	Mode \$		E Log For
Certificate:	s		1/1		1		🕑 Uş	pdated		<ul> <li>ACTIVE</li> </ul>		Г	Upgrade-In-Progress	8	Link (i)		Ingress			HUB		
PQDNS			1/1		1		🕑 Uş	pdated		ACTIVE			23.08-14				East-Wes	t & Egre	55	HUB		
Profiles								-									_					
Decryption																						
IPS/IDS																						

Afbeelding 7. Verfris knop om het upgradeproces te bewaken.

Zodra het upgradeproces is voltooid, toont de gateway de nieuwe versie.

-																										
•1) CI	sco I	Multicloud	l Def	ense																(?)	Q		R	Admin: Imatusci CDO_cisco-multi tac	l@cisc icloud-	
					Inves	tigate	Man	age	Report		Administration															
V Favo	rites d navigat	tion items	< C	Gate	eways	2																				
will g	o nere			Filter	rs and Sea	rch	Switch t	to Advan	ced Sea	rch																^
Setu	ιp			Na	me		~	CSP Acco	wat		CSP Type		x ~	Region		x ~	State	X ~	lr	istance Type	×	~	M	de	x v	
Secu	rity Polic	cies		_																						-
Rule	Sets			Add	Gateway	Actio	ns +																		Refre	sh
Add Serv	resses vices			+	Min/Max Instances	٠	:	Running Instances	٠	:	Policy Rule 🗘 Status	:	State \$		÷	Image \$	:	Gateway ≑ Endpoint	:	Security	٠	:	Мо	de \$	; L	og Fo
Cert	ificates				1/1		1				<ul> <li>Updated</li> </ul>		ACTIVE			23.10-03		Link (i)		Ingress			HUB	1		
rqu					1/1		1				O Updated		ACTIVE			23.08-14				East-Wes	t & Egres	s	HUB	1		
Profi	lee																									

Afbeelding 8. Upgradeproces voltooid.

Controleer het gatewayproces vanuit de systeemlogbestanden.

Navigeer naar Investigate > System Logs.

U kunt de datum en het tijdstip zien waarop het upgradeproces wordt gestart en voltooid.

Selecteer dit more om meer informatie weer te geven over de systeemlogbestanden.

ululu Multicloud Defer	nse						0	유   유 Admin: I CDO_cis	matuscl@cisc co-multicloud-
Dashboard Dis	cover Investigate	Manage	Report	Administra	tion				
Favorites 🛱	Filters and Search §	witch to Advanc	ed Search						^
Pinned navigation items will go here	Last 1 Hour 🔍								
Setup									
	Date and Time (LOCAL)	CSP Account	Gateway	Severity	Sub Type	Messa	ge		
Flow Analytics	2024-03-12T18:45:45	My-AWS	ingress-u	Info	Gateway	Initiated delete for Gateway instance i-0477de0f14073ad2e in region	us-east-1 availabil	ity zone us-east-1a. Reason: C	Older Con more
Traffic Summary All Events	2024-03-12T18:45:45	My-AWS	ingress-u	Info	Gateway	Delete instances: ingress-us-east-1-gw-01 i-0477de0f14073ad2e te	rminate true timeou	it 3m0s reason Older Config o	n Instance more
Firewall Events	2024-03-12T18:45:45	My-AWS	ingress-u	Info	Gateway	Instance i-03eb191b22cb8803b has become a healthy target for gate	eway ingress-us-ea	st-1-gw-01	more
Network Threats Web Protection	2024-03-12T18:38:33	My-AWS	ingress-u	Info	Gateway	Created Gateway instance i-03eb191b22cb8803b in region us-east-	Gateway Instance	Upgraded for Gateway ingres	s-us- more
URL Filtering	2024-03-12T18:38:33	My-AWS	ingress-u	Info	Gateway	Gateway Instance Upgraded for Gateway ingress-us-east-1-gw-01.	east-1-gw-01. No gateway are 1 in	awly created instances in this region us-east-1 availability zo	more
FQDN Filtering	2024-03-12T18:26:07	My-AWS	new_GW	Info	Gateway	Deleted Gateway instance i-0afa953e16415a33e in region us-east-1	us-east-1a		more



Dit beeld toont hoe de systeemlogboeken de creatie van de nieuwe gateway instantie en de schrapping van oude toont zodra nieuwe gezond en klaar is.

2024-03-12T18:48:51 My-AWS	ingress-u	Info	Gateway	Upgrade to DP Image Version 23.10-03 and CSP image ID ami-03ce47873675045eb is complete	more
2024-03-12T18:48:47 My-AWS	ingress-u	Info	Gateway	Deleted Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-east-1a	more
2024-03-12T18:45:45 My-AWS	ingress-u	Info	Gateway	Initiated delete for Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-east-1a. R	more
2024-03-12T18:45:45 My-AWS	ingress-u	Info	Gateway	Delete instances: ingress-us-east-1-gw-01 i-0477de0f14073ad2e terminate true timeout 3m0s reason Older	more
2024-03-12T18:45:45 My-AWS	ingress-u	Info	Gateway	Instance i-03eb191b22cb8803b has become a healthy target for gateway ingress-us-east-1-gw-01	more
2024-03-12T18:38:33 My-AWS	ingress-u	Info	Gateway	Created Gateway instance i-03eb191b22cb8803b in region us-east-1 availability zone us-east-1a. Gateway In	. more
2024-03-12T18:38:33 My-AWS	ingress-u	Info	Gateway	Gateway Instance Upgraded for Gateway ingress-us-east-1-gw-01. Newly created instances in this gateway ar	. more

Afbeelding 10. Creatie en verwijdering van het oude en nieuwe exemplaar.

Deze foto toont alle systeemlogbestanden met betrekking tot het gateway upgrade proces.

cisco	Multicloud D	efense						0	Q   A Admin: Imatuscli CDO_cisco-multiv tac	Ocisc cloud- 🗸 🗸
	Dashboard	Discover	Investigate	Manage	Report	Administr	ation			
<ul> <li>Favorites</li> <li>Pinned navig will go here</li> </ul>	Px ation items	Syste	em Logs						UTC Local	Refresh
		Filters	and Search	witch to Advance	ed Search					^
Setup		Last	1 Hour 🗸							
Flow Analyt	ics	_								
Traffic Sum	mary									
All Events		Date	and Time (LOCAL)	CSP Account	Gateway	Severity	Sub Type	Message		
Firewall Eve										
Maturaty Th	ints	2024-	03-12T18:48:51	My-AWS	ingress-u	Info	Gateway	Upgrade to DP Image Version 23.10-03 and CSP Image ID ami-03ce4787367504Seb is complete		more
Network Th Web Protec	nts reats tion	2024- 2024-	03-12T18:48:51 03-12T18:48:47	My-AWS My-AWS	ingress-u	Info Info	Gateway Gateway	Upgrade to DP Image Version 23.10-03 and CSP Image ID ami-03ce47873675045eb is complete Deleted Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-east-1 a		more more
Network Th Web Protec URL Filterin	nts reats tion g	2024- 2024- 2024-	03-12T18:48:51 03-12T18:48:47 03-12T18:45:45	My-AWS My-AWS My-AWS	ingress-u ingress-u ingress-u	Info Info Info	Gateway Gateway Gateway	Upgrade to DP Image Version 23.10-03 and CSP Image ID ami-03ce47873675045eb is complete Deleted Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-east-1 a Initiated delete for Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-e	east-1a. Reason: Older Config on Insta	more more more
Network Th Web Protec URL Filterin FQDN Filter	nts reats tion g ing	2024- 2024- 2024- 2024-	03-12T18:48:51 03-12T18:48:47 03-12T18:45:45 03-12T18:45:45	My-AWS My-AWS My-AWS My-AWS	ingress-u ingress-u ingress-u ingress-u	Info Info Info Info	Gateway Gateway Gateway Gateway	Upgrade to DP Image Version 23.10-03 and CSP Image ID ami-03ce47873675045eb is complete Deleted Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-east-1 a Initiated delete for Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-e Delete instances: ingress-us-east-1-gw-01 i-0477de0f14073ad2e terminate true timeout 3m0s reas	east-1a. Reason: Older Config on Insta	more more more more
Network Th Web Protec URL Filterin FQDN Filter HTTPS Log:	nts reats tion g ing s	2024- 2024- 2024- 2024- 2024- 2024-	03-12T18:48:51 03-12T18:48:47 03-12T18:45:45 03-12T18:45:45 03-12T18:45:45	My-AWS My-AWS My-AWS My-AWS	ingress-u ingress-u ingress-u ingress-u	Info Info Info Info Info	Gateway Gateway Gateway Gateway	Upgrade to DP Image Version 23.10-03 and CSP Image ID ami-03ce47873675045eb is complete Deleted Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-east-1 a Initiated delete for Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-e Delete instances: ingress-us-east-1-gw-01 i-0477de0f14073ad2e terminate true timeout 3m0s reas Instance i-03eb191b22cb8803b has become a healthy target for gateway ingress-us-east-1-gw-01	hast-1a. Reason: Older Config on Insta on Older Config on Instance	more more more more more
Network Th Web Protec URL Filterin FQDN Filter HTTPS Log: Network An	ints reats tion g ing s s	2024- 2024- 2024- 2024- 2024- 2024- 2024- 2024-	03-12T18:48:51 03-12T18:48:47 03-12T18:45:45 03-12T18:45:45 03-12T18:45:45 03-12T18:45:45 03-12T18:38:33	My-AWS My-AWS My-AWS My-AWS My-AWS	ingress-u ingress-u ingress-u ingress-u ingress-u	Info Info Info Info Info Info	Gateway Gateway Gateway Gateway Gateway	Upgrade to DP Image Version 23.10-03 and CSP Image ID ami-03ce47873675045eb is complete Deleted Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-east-1 a Initiated delete for Gateway instance i-0477de0f14073ad2e in region us-east-1 availability zone us-e Delete instances: ingress-us-east-1-gw-01 i-0477de0f14073ad2e terminate true timeout 3m0s reast Instance i-03eb191b22cb8803b has become a healthy target for gateway ingress-us-east-1-gw-01 Created Gateway instance i-03eb191b22cb8803b in region us-east-1 availability zone us-east-1-a.G	hast-1a. Reason: Older Config on Insta on Older Config on Instance ateway Instance Upgraded	more more more more more

Afbeelding 11. Systeemlogbestanden met betrekking tot het gatewayupgradeproces.

#### Gerelateerde informatie

- <u>Gebruikershandleiding voor Cisco MultiCloud Defense</u>
- Technische ondersteuning en documentatie Cisco Systems

### Over deze vertaling

Cisco heeft dit document vertaald via een combinatie van machine- en menselijke technologie om onze gebruikers wereldwijd ondersteuningscontent te bieden in hun eigen taal. Houd er rekening mee dat zelfs de beste machinevertaling niet net zo nauwkeurig is als die van een professionele vertaler. Cisco Systems, Inc. is niet aansprakelijk voor de nauwkeurigheid van deze vertalingen en raadt aan altijd het oorspronkelijke Engelstalige document (link) te raadplegen.