Aggiornare il gateway di difesa multicolore dal controller di difesa multicolore

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Introduzione

Questo documento descrive il processo di aggiornamento di Multicast Defense Gateway da Multicast Defense Controller.

Prerequisiti

Requisiti

Cisco raccomanda la conoscenza dei seguenti argomenti:

- Controller difesa multicolore
- Multicast Defense Gateway

Componenti usati

Le informazioni fornite in questo documento si basano sulle seguenti versioni software e hardware:

• Multicast Defense Gateway versione 23.08-14.

Le informazioni discusse in questo documento fanno riferimento a dispositivi usati in uno specifico ambiente di emulazione. Su tutti i dispositivi menzionati nel documento la configurazione è stata ripristinata ai valori predefiniti. Se la rete è operativa, valutare attentamente eventuali conseguenze derivanti dall'uso dei comandi.

Premesse

Il processo di upgrade non ha alcun impatto operativo o tempi di inattività. Multicast Defense Controller crea un nuovo set di istanze con la nuova versione dell'immagine. Quando le nuove istanze sono disponibili, il gateway inizia a elaborare il traffico. Una volta scaricato il traffico sulle vecchie istanze, le vecchie istanze vengono eliminate.

Configurazione

Aggiornamento di Multicast Defense Gateway

Le immagini seguenti mostrano il processo di aggiornamento di Multicast Defense Gateway. Il processo di aggiornamento del gateway in ingresso e in uscita è lo stesso.

1. Accedere innanzitutto al controller della difesa multicolore e passare a Manage > Gateways.

.ılı.ılı. cısco	Multicloud D	efense											0	Q		A Admin: CDO_cist	Imatusc sco-mult	l@cisc icloud- V
			Investigate	Mana	age Report	Ad	ministration											
 Favorites Pinned navi 	igation items	Gate	ways: 2															
will go here	2	Filters	and Search	Switch t	o Advanced Search													^
Setup		Nam	10	~	CSP Account	Ŷ	CSP Type	X: V	on	x ~ \$	tate ×	÷	Instance Type		Ŷ	Mode		× ×
Security P	Policies	_																
Rule Sets		Add G	ateway Actio	ns +														Refresh
Addresses	5	_		_							Augusta Marca		Maddan A			Dunning A		Dation Date
Services			Name 🗘	1	Account \$	1	CSP Type \$	Instance Type 🗘 🚦		Region \$	Zones	:	Instances			instances	1	Status
Certificate	es		ingress-us-east-	1-gw	My-AWS-Account		AWS	AWS_M5_LARGE		us-east-1 - US East	1		1/1		1			O Updated
PQUNS			new_GW-Test		My-AWS-Account		AWS	AWS_M5_LARGE	į	us-east-1 - US East	1		1/1		1			Updated
Profiles		_				-												
Decryption	n																	
IPS/IDS																		
Data Loss	Prevention																	
Anti Malwa	rare																	
WAF																		
Layer 7 DC	OS																	
URL Filteri	ing																	

Immagine 1. Elenco gateway.

2. Identificare e selezionare il gateway da aggiornare. È possibile effettuare una sola selezione alla volta.



Immagine 2. Dettagli del gateway.

3.a. Effettuare la selezione Upgrade dalla finestra dei dettagli del gateway.

cisco Multicloud De	efense		O Q I Admin: Ima CDO_cisco- to to	uscl@cisc multicloud- ~
Dashboard	Discover Investigate Manage Report	Administration		
V Favorites Fix Pinned navigation items will go here	Gateways: 2	Details Edit	Send Diagnostics Upgrade Abort Last Modified: 2024-03-12722:12:09:00	28Z ¥
Setup	Filters and Search Switch to Advanced Search	Summary Cloud Details	Interfaces Instances Settings Troubleshooting Terraform Export	
Security Policies		Name	ingress-us-east-1-gw-01 ACTIVE	
Rule Sets Addresses	Add Gateway Actions -	Description		
Services	Name Account	Instance Type	AWS_M5_LARGE	
Certificates FQDNs	ingress-us-east-1-gw My-AWS-Account	Min/Max Instances	1 / 1 HI II / Ingress	
	new_GW-Test My-AWS-Account	Policy Rule Set	ciscomod-sample-ingress-policy-ruleset	
Profiles		Gateway Endpoint	ciscomcd-l-ingrvprouoti-52e665a6ef6332a9.elb.us-east-1.amazonaws.com 📋	
Decryption		Image	https://valtix-controller-mcdus.s3.amazonaws.com/dpimages/23.08-14/appliance.bin	
IPS/IDS		Packet Capture Profile		
Anti Malware		Log Profile		
WAF		Log Prome		
Layer 7 DOS		Metrics Profile		
URL Filtering		NTP Profile		
FODN Filtering Threat Research		BGP Profile		

Immagine 3. È possibile aggiornare il gateway dalla scheda dei dettagli.

3.b. È inoltre possibile selezionare Actions > Upgrade.

cisco Multiclo	ud Def	ense												0	Q	۶	Admin: I CDO_cis tac	matusci(co-multic	Dcisc Ioud- Y
Dashboar			Investiga	te Ma	inage Rep		Administration												
V Favorites Pinned navigation items	₩.	Gatev	vays: 2																
will go here		Filters	and Search	Switch	n to Advanced S	earch													^
Setup		Name		¥.	CSP Account		✓ CSP Type	X y	Region	× •	, s	ate X	~	Instance Type	×	•••	Mode	>	(v
Security Policies		_	-																
Rule Sets		Add Ga	teway	Actions +															Refresh
Addresses				Edit								Availability 🛎		Min/May 🚔		Runn	ning 🚊		Policy Pule
Services			Name 🗘	Upgrade	Account \$	1	CSP Type \$	Instance Type	•	Region 🗘	1	Zones	1	Instances	1	Insta	inces	1	Status
Certificates		~	ingress-u	Abort	My-AWS-Act	count	AWS	AWS_M5_LARGE		us-east-1 - US E	ast	1		1/1		1			 Updated
FQDNs			new_GW-	Disable	My-AWS-Act	count	AWS	AWS_M5_LARGE		us-east-1 - US E	ast	1		1/1		1			Updated
Profiles		-		Export Delete															
IPS/IDS																			

Immagine 4. È possibile aggiornare il gateway tramite il pulsante Azione.

4. Selezionare il menu a discesa per visualizzare le versioni dei gateway disponibili. Quindi, selezionare la versione di destinazione e salvare le modifiche.

cisco Multicloud Det	fense	③ Q Admin: Imatuscl@cisc v tac	
Dashboard 0	Discover Investigate Manage Report	Administration	
V Favorites Fx Pinned navigation items	Gateways: 2	Upgrade Gateway(s)	
will go nere	Filters and Search Switch to Advanced Search	Select the image for the upgrade. This process can take several minutes to complete.	
Setup	Name V CSP Account	Gateway Image • 23.10-03 23.10-03 (10th Jan, 2 X 🗸	
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 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			
Threat Research			
Networking			
Cloud Accounts		Canad	
Gateways	Displaying Gateways 1 - 2 25. 🗸 < >	Cancer	

Immagine 5. Versioni disponibili del gateway.

Confermare l'allocazione di risorse del provider di servizi cloud necessaria per l'aggiornamento.

6. Selezionare **Yes** se l'allocazione delle risorse è sufficiente. Fare clic su No se l'allocazione delle risorse è insufficiente, aumentare l'allocazione delle risorse nel provider di servizi cloud e tornare a continuare l'aggiornamento.

cisco Multicle	oud Defens	8											(?)	¢		Imin: Imatuscl@cisc D0_cisco-multicloud- ``	·
			ite Mana	ige Report													
 Favorites Pinned navigation items will ap been 	[™] G	ateways: 2			Upgi	rade Gate	eway(s)										
wa gomere	F	ilters and Search	Switch to	o Advanced Sear	rcl Select th	e image for the	upgrade. This	process can ta	ke several minu	tes to complete							
Setup	Upgrade N	otice			Cataway	Incas				a							
Security Policies	0																
Rule Sets Addresses	You are 23.10	about to upgra	de the follow	ing gateways wi	ith:												
Services			Current Reso	ources			Resources N	eded During U	lpgrade*		Resulting Re	sources					
Certificates	Gatew	ay	Elastic IPs	LBs 0	GW LBs	Instances	Elastic IPs	LBs	GW LBs	Instances	Elastic IPs	LBs	GW	LBs	Instances		
	ingress	-us-east-1-gw-01	2/5	1/50 1	1 / 100	1152		1	1	1	2	2	2				
Profiles	+During t	he upgrade, Valtix wil	l deploy additiona	I resources with new	settings and m	igrate over once it	t is complete. Exis	ting resources as	sociated to previou	is settings will be	deleted after migra	ation.					
IPS/IDS	This pr	ocess can take	several minut	es to complete.	Do you war	nt to continue	?										
Data Loss Prevention							No	Vac									
Anti Malware WAF								les									
Layer 7 DOS																	
URL Filtering FQDN Filtering																	
Threat Research																	
Cloud Accounts											_						
Gateways		Displaying Gateways	1 - 2 25							Cancel	Save						

Immagine 6. Allocazione delle risorse nel provider di servizi cloud.

Verifica

Monitorare il processo di aggiornamento dall'elenco Gategay.

Il completamento del processo può richiedere diversi minuti. È possibile monitorare il processo dalla pagina elenco gateway.

Passare a Manage > Gateways.

cisco	Multicloud [Defen	se															0	Q	I	A Admi CDO_ tac	n: Imatusci cisco-multi	@cisc cloud- ~	ŕ
				Investigate	M	anage	Report	,	dministration															
 Favorites Pinned navig 	म्द्रि gation items	G	atew	ays: 2																				
will go here			Filters a	nd Search	Switc	h to Advand	ced Searc	h															~	
Setup			Name		~	CSP Acco	unt		CSP Type		× v	Region		x v]	State	×	-	Instance Type	×	~	Mode		¢ v	
Security Po	olicies																							1
Rule Sets			Add Gate	away Act	ions +																		Refresh	
Addresses Services			: Mir Ins	n/Max ≑ tances	÷	Running Instances	٠	:	Policy Rule 🗘 Status	1	State ‡			Image \$:	Gateway ‡ Endpoint	:	Security	¢	1	Mode \$		E Log I	For
Certificates	5		1/1			1			Updated		 ACTIVE 		Г	Upgrade-In-Progress	,	Link (i)		Ingress			HUB			
FQDNs			1/1			1			Updated		ACTIVE			23.08-14				East-West	& Egre	55	HUB			
Profiles																								
Decryption																								
IPS/IDS																								

Immagine 7. Pulsante Aggiorna per monitorare il processo di aggiornamento.

Al termine del processo di aggiornamento, il gateway visualizza la nuova versione.

-																										
•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				 Updated 		ACTIVE			23.10-03		Link (i)		Ingress			HUB	1		
rqu					1/1		1				📀 Updated		ACTIVE			23.08-14				East-Wes	t & Egres	s	HUB	1		
Profi	lee																									

Immagine 8. Processo di aggiornamento completato.

Monitorare il processo gateway dai registri di sistema.

Passare a Investigate > System Logs.

È possibile visualizzare la data e l'ora di inizio e di completamento del processo di aggiornamento.

Selezionare questa opzione more per visualizzare ulteriori informazioni sui registri di sistema.

ululu Multicloud Defer	nse					O _ A Admin: Imatusci@c CD0_cisco-multiclo CD0_cisco-multiclo	ud-
Dashboard Dis	cover Investigate	Manage	Report	Administra	ation		
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	Message	
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 availability zone us-east-1a. Reason: 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 terminate true timeout 3m0s reason Older Config on Instance	more
Firewall Events	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
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 Ingress-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. gateway are 1 in region us-east-1 availability zone east-1-gw-01. Newly created instances in this gateway are 1 in region us-east-1 availability zone	more
FQDN Filtering	2024-03-12T18:26:07	My-AWS	new_GW	Info	Gateway	Deleted Gateway instance i-Oafa953e16415a33e in region us-east-1	more

Immagine 9. Log di sistema.

In questa immagine viene mostrato come nei log di sistema viene visualizzata la creazione della nuova istanza del gateway e l'eliminazione di quella precedente quando quella nuova è integra e pronta.

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

Immagine 10. Creazione ed eliminazione della vecchia e della nuova istanza.

In questa immagine vengono mostrati tutti i log di sistema correlati al processo di aggiornamento del gateway.

cisco	Multicloud [Defense						0	Q A Admin: Imatuscli CDO_cisco-multiv tac	Bcisc :loud- 🗸
	Dashboard	Discover	Investigate	Manage	Report	Administr	ation			
 Favorites Pinned navigation will ap here 	Fx ation items	Syste	em Logs						UTC Local	Refresh
		Filters	and Search s	witch to Advanc	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	nts									_
Network Th		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
Web Protect	reats tion	2024	03-12T18:48:51	My-AWS My-AWS	ingress-u 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
Web Protect URL Filtering	reats tion	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	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	tast-1a. Reason: Older Config on Insta	more more more
Web Protect URL Filtering FQDN Filteri	reats tion a 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	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	ast-1a. Reason: Older Config on Insta on Older Config on Instance	more more more more
Web Protect URL Filterin FQDN Filteri HTTPS Logs	reats ition ing	2024- 2024- 2024- 2024- 2024- 2024-	-03-12718:48:51 -03-12718:48:47 -03-12718:45:45 -03-12718:45:45 -03-12718:45:45	My-AWS My-AWS My-AWS My-AWS	Ingress-u Ingress-u Ingress-u Ingress-u	Info Info Info Info	Gateway Gateway Gateway Gateway 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 reass Instance i-03eb191b22cb8803b has become a healthy target for gateway ingress-us-east-1-gw-01	aast-1a. Reason: Older Config on Insta on Older Config on Instance	more more more more more
Web Protect URL Filtering FQDN Filteri HTTPS Logs	reats tion ing a lytics	2024 2024 2024 2024 2024 2024 2024	03-12718:48:51 03-12718:48:47 03-12718:45:45 03-12718:45:45 03-12718:45:45 03-12718:38:33	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 reas 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	aast-1a. Reason: Older Config on Insta on Older Config on Instance ateway Instance Upgraded	more more more more more

Immagine 11. Registri di sistema correlati al processo di aggiornamento del gateway.

Informazioni correlate

- Guida per l'utente di Cisco Multicast Defense
- Documentazione e supporto tecnico Cisco Systems

Informazioni su questa traduzione

Cisco ha tradotto questo documento utilizzando una combinazione di tecnologie automatiche e umane per offrire ai nostri utenti in tutto il mondo contenuti di supporto nella propria lingua. Si noti che anche la migliore traduzione automatica non sarà mai accurata come quella fornita da un traduttore professionista. Cisco Systems, Inc. non si assume alcuna responsabilità per l'accuratezza di queste traduzioni e consiglia di consultare sempre il documento originale in inglese (disponibile al link fornito).