Distribuzione di AnyConnect Web Security tramite ASA

Sommario

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Introduzione

In questo documento viene descritta la distribuzione del modulo di sicurezza Web AnyConnect per VPN basate su client che terminano su Cisco Adaptive Security Appliance (ASA).

Prerequisiti

Requisiti

Nessun requisito specifico previsto per questo documento.

Componenti usati

Il documento può essere consultato per tutte le versioni software o hardware.

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

• Caricare l'immagine Anyconnect (versione consigliata 4.1+) sull'appliance ASA



Abilitare il profilo VPN sull'appliance ASA, come mostrato nell'immagine

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Configurazione

Distribuzione di Anyconnect WebSecurity tramite ASA

Di seguito sono riportati i passi necessari per la configurazione.

- Configura profilo client Anyconnect Websecurity
- Modifica Criteri di gruppo per Anyconnect VPN
- Impostare l'esclusione di divisione per Web Security e selezionare scarica modulo client Web Security
- Modificare i Criteri di gruppo per Anyconnect VPN e selezionare il profilo client Web Security

Passaggio 1. Configurazione del profilo del client Anyconnect Websecurity

Selezionare Configuration >Remove Access VPN >Network (Client) Access >Anyconnect Client Profile, quindi fare clic su **Nota:** Il nome del profilo è hardcoded sul lato client, quindi, a prescindere dal nome configurato, l'ASA invia sempre **Websecurity_serviceprofile.wso** al client.

Nota: Profilo predefinito senza chiave di licenza di autenticazione.

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Passaggio 2. Modificare il profilo appena creato per aggiungere la chiave di licenza di autenticazione e personalizzare la configurazione.

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Passaggio 3. Impostare l'esclusione di divisione per Web Security e selezionare scarica modulo client Web Security

Modificare i Criteri di gruppo di Anyconnect VPN, come mostrato nell'immagine.



Come mostrato nell'immagine, impostare l'esclusione di divisione per la sicurezza Web.

E			Edit Internal Group Policy: DfltGrpPolicy
General Servers	The VPN dient makes split tunneling decis	ions on the basis	s of a network list that can be specified below by providing the proper parameters to 'Policy
AdvancedSplit TunnelingBrowser ProxyBrowser Client	DNS Names: Send All DNS Lookups Through Tunnel:	⊖Yes ⊙No	0
⊡ IPsec(IKEv1) Client	Policy:	Exclude Netwo	rk List Below
	IPv6 Policy:	Exclude Netwo	rk List Below
	Network List:	None	
	Pressing this button to set up split exlusion Set up Split Exclusion for Web Securit	n for Web Secur	Tity proxies. Web Security Proxies Exclusion
	Intercept DHCP Configuration Message	from Microsoft (Enter a new or select an existing access list used for Web Security split exclusion. ASDM will set up the access list for use in the network list. Access list name: CWS-Tower Create Access List Update Access List Cancel

E		Edit Internal Group Policy: DfltGrpPolicy
General Servers Advanced Split Tunneling Browser Proxy AnyConnect Client TPsec(IKEv 1) Client	The VPN client makes split tunneling decision DNS Names: Send All DNS Lookups Through Tunnel: Policy: IPv6 Policy: Network List: Pressing this button to set up split exlusion Set up Split Exclusion for Web Securit Intercept DHCP Configuration Message	sions on the basis of a network list that can be specified below by providing the proper par Yes No Exclude Network List Below Exclude Network List Below CWS-Tower on for Web Security proxies.

Selezionare download Web Security Client Module, come illustrato nell'immagine.

Passaggio 4. Scaricare il profilo client di Web Security

Modifica Criteri di gruppo Anyconnect VPN > Profili client da scaricare > Aggiungi, quindi scegliere il profilo creato (come al passo 1)

General	Keen Installer on Client System:	Yes No	
Servers	heep instance on electrolystem	0.00	
-Advanced	Datagram Transport Layer Security (DTLS):	Enable O Disal	ole
Split Tunneling	DTI C Companying		
-Browser Proxy	DILS Compression:		JRE CONTRACT OF THE OTHER OF THE
■ AnyConnect Client	SSL Compression:	○ Deflate ○ LZS	Disable
Client Firewall Key Regeneration	Ignore Don't Fragment(DF) Bit:	 Enable Disal 	ole
Dead Peer Detectio	Client Bypass Protocol:	 Enable Disal 	ble
Customization	FQDN of This Device:		
	MTU:	1406	
	Keepalive Messages:	Disable Interval	Select AnyConnect Client Profiles
	Optional Client Modules to Download:	websecurity	This panel is used to select existing AnyConnect profile for a group policy. To create or edit a profile, go to Remote
	Always-On VPN:	 Disable Use 	Access VPN>IVetWork (Client) Access>AnyConnect Client Profile.
	Client Profiles to Download.		Select a profile name and the usage will be determined automatically. The 'View Profile' button will open the profile
	cilenter rollies to bournood?	الملية فالمح	viewer (no editing) if the AnyConnect 2.5 client or later is installed and if the profile usage is determined.
		Delete	Otherwise, it will show the profile content as XML text.
		Profile Name	
			Profile Name: jpemo View Profile
			Profile Usage: Web Security Service Profile
			OK Cancel Help
		ı	
Find:	Next O Previous	5	
			OK Cancel Help

Fare clic su OK e applicare le modifiche.

Verifica

Quando ci si connette a Anyconnect VPN, ASA spinge il modulo di sicurezza Web Anyconnect attraverso la VPN, come mostrato nell'immagine.

S Cisco AnyConnect 10.106.36.30	S Cisco AnyConnect Secure Mobility Client - □ ×
Username: user1 Password: *******	VPN: Contacting 10.106.36.30. 10.106.36.30 VConnect
OK Cancel	Cisco

9	Cisco AnyConnect Secure Mobility Client	- 🗆 🗙
cisco AnyConnec	t Secure Mobility Client	0
Status Overview	Virtual Private Network (VPN)	Diagnostics
VPN >	Preferences Statistics Route Details Firewall Message History	
Web Security	 5:21:58 AM Disconnect in progress, please wait 5:21:59 AM Ready to connect. 5:29:69 AM Contacting 10.106.36.30. 5:29:53 AM User credentials entered. 5:29:53 AM Establishing VPN session 5:29:53 AM The AnyConnect Downloader is performing update checks 5:29:54 AM Downloading Web Security Service Profile - 100% 5:29:54 AM Downloading for product updates 5:29:54 AM Downloading AnyConnect Web Security 4.1.08005 - 100% 5:29:54 AM Downloading anyConnect Web Security 4.1.08005 - 100% 5:29:54 AM Downloading any required updates 5:29:54 AM Performing any required updates 5:29:58 AM The AnyConnect Downloader updates have been completed. 5:30:02 AM Establishing VPN - Initiating connection 5:30:02 AM Establishing VPN - Activating VPN adapter 5:30:03 AM Establishing VPN - Configuring system 5:30:03 AM Establishing VPN 5:30:03 AM Establishing VPN 	^
Collect diagnostic information for all installed components. Diagnostics		Clear



Se è già stato eseguito l'accesso, si consiglia di disconnettersi e quindi di eseguire nuovamente l'accesso per abilitare la funzionalità.

Aggiornamento/downgrade della versione Anyconnect

La funzionalità di distribuzione rimane invariata se la versione viene aggiornata. Tuttavia, il declassamento non è possibile. Pertanto, con l'esempio corrente di 4.1.x, può essere aggiornato alla versione 4.2

Le fasi previste sono le seguenti:

Passaggio 1. Caricare l'ultimo pacchetto Anyconnect 4.2 per farlo lampeggiare e sostituire la versione 4.1 con il file più recente.

In Anyconnect Client Software > Replace, quindi selezionare il file dell'immagine recente.



Passaggio 2. Quando ci si riconnette a Anyconnect VPN, ASA distribuisce l'ultimo modulo Anyconnect tramite VPN senza modifiche al profilo di sicurezza Web.

0	
🕒 Cisco A	nyConnect Secure Mobility Client -
	VPN: Exiting. Upgrade in progress. 10.106.36.30 ∨ Connect
	Web Security: Enabled (India)
\$ ()	لين _{داندان} دانده



Nota: Il downgrade non è supportato.

Risoluzione dei problemi

Le informazioni contenute in questa sezione permettono di risolvere i problemi relativi alla configurazione.

Utilizzo di DART per raccogliere informazioni sulla risoluzione dei problemi:

DART è lo strumento di diagnostica e segnalazione di AnyConnect che può essere utilizzato per raccogliere dati utili per la risoluzione dei problemi di installazione e connessione di AnyConnect. DART supporta Windows 7, Windows Vista, Windows XP, Mac versione 10.5 e 10.6 e Linux Redhat. La procedura guidata DART viene eseguita sul computer su cui è in esecuzione AnyConnect. Assembla i registri, lo stato e le informazioni di diagnostica per l'analisi del Cisco Technical Assistance Center (TAC) e non richiede i privilegi di amministratore.

Sebbene DART non si basi sull'esecuzione di alcun componente del software AnyConnect, è possibile avviarlo da AnyConnect. Tuttavia, raccoglierà il file di log di AnyConnect, se disponibile. Al momento, DART è disponibile come installazione autonoma oppure l'amministratore può eseguire il push di questa applicazione sul PC client come parte dell'infrastruttura di download dinamico AnyConnect. Dopo l'installazione, l'utente finale può avviare la procedura guidata dalla cartella Cisco disponibile tramite il pulsante **Start**.