Implementación de AnyConnect Web Security a través de ASA

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Introducción

Este documento describe la implementación del módulo de seguridad web AnyConnect para VPN basada en cliente que termina en Cisco Adaptive Security Appliances (ASA).

Prerequisites

Requirements

No hay requisitos específicos para este documento.

Componentes Utilizados

Este documento no tiene restricciones específicas en cuanto a versiones de software y de hardware.

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

Antecedentes

• Cargue la imagen de Anyconnect (recomiende v4.1+) en ASA



• Habilite el perfil VPN en ASA, como se muestra en la imagen

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Configurar

Implementación de Anyconnect WebSecurity a través de ASA

Los pasos involucrados en la configuración son:

- Configurar el perfil del cliente de Anyconnect Websecurity
- Editar política de grupo VPN de Anyconnect
- Establezca la exclusión dividida para Web Security y seleccione descargar el módulo cliente de Web Security
- Editar la política de grupo VPN de Anyconnect y seleccionar el perfil de cliente de Web Security

Paso 1. Configuración del perfil de cliente de Anyconnect Websecurity

Vaya a Configuración >Eliminar VPN de Acceso > Acceso a Red (Cliente) >Perfil de Cliente de

Anyconnect, haga clic en

Agregue y seleccione el perfil del cliente de AnyConnect Web Security.

Nota: El nombre del perfil está codificado en el lado del cliente, por lo que independientemente del nombre configurado, el ASA siempre envía **Websecurity_serviceprofile.wso** al cliente.

Nota: Este es un perfil predeterminado sin clave de licencia de autenticación.

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Paso 2. Edite el perfil recién creado para agregar la clave de licencia de autenticación y personalizar la configuración.

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Paso 3. Establecer la exclusión dividida para Web Security y seleccionar descargar el módulo cliente de seguridad web

Edite la política del grupo VPN de Anyconnect, como se muestra en la imagen.



Como se muestra en la imagen, configure la exclusión dividida para Web Security.

E			Edit Internal Group Policy: DfltGrpPolicy
General	The VPN client makes split tunneling decision	ions on the basis	s of a network list that can be specified below by providing the proper parameters to 'Polic
	DNS Names:		
Browser Proxy	Send All DNS Lookups Through Tunnel:	⊖Yes ⊚N	0
⊡⊡Psec(IKEv1) Client	Policy:	Exclude Netwo	rk List Below
	IPv6 Policy:	Exclude Netwo	vrk List Below
	Network List:	None	
	Pressing this button to set up split exlusion Set up Split Exclusion for Web Security Intercept DHCP Configuration Message	n for Web Secu y from Microsoft (Web Security Proxies Exclusion X 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. Select Access list name: CWS-Tower Select Create Access List Update Access List Cancel

6		Edit Internal Group Policy: DfltGrpPolicy
General Servers Advanced Browser Proxy AnyConnect Client TPsec(IKEv1) Client	The VPN client makes split tunneling decises 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 Security 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.

Seleccione descargar el módulo cliente de Web Security, como se muestra en la imagen.

Paso 4. Descargar perfil de cliente de seguridad web

Edite Anyconnect VPN group policy > Client Profiles to Download > Add, ahora elija el Perfil creado (como en el Paso 1)

General	Keep Installer on Client System:	Yes O No	
	Datagram Transport Laver Security (DTLS):	Enable Disat	le
Split Tunneling			
Browser Proxy	DTLS Compression:	Enable Disat	le
AnyConnect Client …Login Setting	SSL Compression:	○ Deflate ○ LZS	Disable
Client Firewall Key Regeneration	Ignore Don't Fragment(DF) Bit:	 Enable Disat 	le
Dead Peer Detectio	Client Bypass Protocol:	 Enable Disat 	le
Custom Attributes	FQDN of This Device:		
i⊞ ·· IPsec(IKEv 1) Client	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>Network (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
		💠 Add 📋 Delete	viewer (no editing) if the AnyConnect 2.5 client or later is installed and if the profile usage is determined. Otherwise, it will show the profile content as XML text.
		Profile Name	
			Profile Name: idemo
			Profile Usage: Web Security Service Profile V
		L	
< III >			
Find:	Next OPrevious	5	
			OK Cancel Help

Haga clic en Aceptar y aplique los cambios.

Verificación

Cuando se conecta a Anyconnect VPN, ASA aplicará el módulo de seguridad web de Anyconnect a través de VPN, como se muestra en la imagen.

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



Si ya ha iniciado sesión, se recomienda cerrar la sesión y volver a iniciarla para que se habilite la funcionalidad.

Actualización/Reversión de Anyconnect

La funcionalidad de implementación permanece inalterada si se actualiza la versión. Sin embargo, no es posible volver a la versión anterior. Por lo tanto, con el ejemplo actual de 4.1.x, se puede actualizar a la versión 4.2

Los pasos son los siguientes:

Paso 1. Cargue el último paquete Anyconnect 4.2 a flash y reemplace 4.1 por el último archivo.

En Anyconnect Client Software > Replace y luego elija el archivo de imagen reciente.

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Home 🆓 Configuration 🔯 Monitoring 🗐 Sav	e 💽	Refresh	Sack Sorward Protect Help	
Remote Access VPN 🗇 🖓	Conf	iguration	> Remote Access VPN > Network (Client) Access > AnyConn	ect Client Software
 Introduction Network (Client) Access AnyConnect Connection Profiles AnyConnect Customization/Localization AnyConnect Client Profile AnyConnect Client Software Dynamic Access Policies 	AnyC Cisi to r You	onnect Clie to AnyCon natch the u u can also n Add	ent Images Inect Client packages can be downloaded from the Cisco Web using the user-agent of a browser to an image. minimize connection setup time by moving the image used by the most of Replace The Delete The Fourier Content of the temperature of temperature	search string 'AnyConn ommonly encountered o
Group Policies	In	age		Regular expression
Secure Mobility Solution	dis	k0:/anycor	nnect-win-4.1.08005-k9.pkg	
Address Assignment Advanced		5	Replace AnyConnect Client Image	x
Clientless SSL VPN Access		AnyCo	onnect Image: disk0:/anyconnect-win-4.2.01035-k9.pkg	Browse Flash
Host Scan Image				Upload
Certificate Management		Regu	ular expression to match user-agent	×
Load Balancing DHCP Server DNS			OK Cancel Help	

Paso 2. Cuando vuelva a conectarse a Anyconnect VPN, ASA aplicará el módulo Anyconnect más reciente a través de VPN sin alteraciones en el perfil de seguridad web.

🕥 Cisco A	AnyConnect Secure Mobility Client 🗧 🗆 🛛 🗡
	VPN: Exiting. Upgrade in progress. 10.106.36.30 ✓ Connect
	Web Security: Enabled (India)
‡ ()	



Nota: No se admite la reversión.

Troubleshoot

En esta sección se brinda información que puede utilizar para resolver problemas en su configuración.

Uso de DART para recopilar información de resolución de problemas:

DART es la herramienta de diagnóstico e informes de AnyConnect que puede utilizar para recopilar datos útiles para solucionar problemas de instalación y conexión de AnyConnect. DART admite Windows 7, Windows Vista, Windows XP, Mac versión 10.5 y 10.6 y Linux Redhat. El asistente DART se ejecuta en el equipo que ejecuta AnyConnect. Se ensamblan los registros, el estado y la información de diagnóstico para el análisis de Cisco Technical Assistance Center (TAC) y no se necesitan privilegios de administrador.

Aunque DART no se basa en ningún componente del software de AnyConnect para ejecutarse, aún así puede iniciarlo desde AnyConnect, recopilará el archivo de registro de AnyConnect, si está disponible. Actualmente, DART está disponible como instalación independiente o el administrador puede enviar esta aplicación al equipo cliente como parte de la infraestructura de descarga dinámica de AnyConnect. Una vez instalado, el usuario final puede iniciar el asistente desde la carpeta de Cisco disponible a través del botón **Inicio**.