Implantação do AnyConnect Web Security por meio do ASA

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Introduction

Este documento descreve a implantação do módulo de segurança da Web do AnyConnect para VPN baseada em cliente terminando em Cisco Adaptive Security Appliances (ASA).

Prerequisites

Requirements

Não existem requisitos específicos para este documento.

Componentes Utilizados

Este documento não se restringe a versões de software e hardware específicas.

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.

Informações de Apoio

Carregue a imagem do Anyconnect (recomendável v4.1+) no ASA



Ative o perfil de VPN no ASA, como mostrado na imagem

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Device Management		<			Ш			>
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Configurar

Implantação do Anyconnect WebSecurity por meio do ASA

As etapas envolvidas na configuração são:

- Configurar perfil do cliente do Anyconnect Websecurity
- Editar política de grupo do Anyconnect VPN
- Definir exclusão de divisão para Web Security e selecionar o módulo de cliente Web Security de download
- Edite a política de grupo do Anyconnect VPN e selecione o perfil do cliente Web Security

Etapa 1. Configurando o perfil do Cliente do Anyconnect Websecurity

Navegue até Configuração >Remover VPN de Acesso >Acesso de Rede (Cliente) >Perfil do Cliente Anyconnect, clique em **Note**: O nome do perfil é codificado no lado do cliente, portanto, independentemente do nome configurado, o ASA sempre envia **Websecurity_serviceprofile.wso** para o cliente.

Note: Este é um perfil padrão sem chave de licença de autenticação.

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Secure Mobility Solution	Profile Name	Profile Usage	Group Policy
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Etapa 2. Edite o perfil recém-criado para adicionar a chave de licença de autenticação e personalize a configuração.

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Etapa 3. Definir exclusão de divisão para Web Security e selecionar o módulo de cliente de segurança da Web de download

Edite a política de grupo do Anyconnect VPN, como mostrado na imagem.



Como mostrado na imagem, configure a exclusão de divisão para o 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 UPsec(IKEv 1) Client	The VPN dient makes split tunneling decised 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.

Selecione o módulo cliente do Web Security de download, conforme mostrado na imagem.

Etapa 4. Baixar perfil do cliente de segurança da Web

Editar **política de grupo do Anyconnect VPN > Perfis do cliente para Download > Adicionar,** agora escolha o perfil criado (como na Etapa 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?	المليح 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

Clique em OK e aplique as alterações.

Verificar

Quando você se conecta ao AnyConnect VPN, o ASA empurra o módulo de segurança da Web do Anyconnect através da VPN, como mostrado na imagem.

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 você já estiver conectado, é recomendável fazer logoff e, em seguida, fazer logon novamente para que a funcionalidade seja habilitada.

Atualizar/rebaixar versão do Anyconnect

A funcionalidade de implantação permanecerá inalterada se a versão for atualizada. No entanto, não é possível fazer downgrade. Assim, com o exemplo atual de 4.1.x, ele pode ser atualizado para a versão 4.2

As etapas envolvidas são as seguintes:

Etapa 1. Carregue o pacote 4.2 do Anyconnect mais recente para flash e substitua 4.1 pelo arquivo mais recente.

Em Anyconnect Client Software > Replace e escolha o arquivo de imagem recente.

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Address Assignment Advanced		E	Replace AnyConnect Client Image	×
Clientless SSL VPN Access		AnyC	Connect Image: disk0:/anyconnect-win-4.2.01035-k9.pkg	Browse Flash
Host Scan Image				Upload
Certificate Management		Reg	ular expression to match user-agent	*
Log Language Localization			OK Cancel Help	

Etapa 2. Quando você se reconecta ao AnyConnect VPN, o ASA empurra o módulo Anyconnect mais recente através da VPN sem alterações no perfil de segurança da Web.

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



Note: Não há suporte para downgrade.

Troubleshoot

Esta seção disponibiliza informações para a solução de problemas de configuração.

Usando o DART para coletar informações de solução de problemas:

DART é a ferramenta de diagnóstico e relatório do AnyConnect que você pode usar para coletar dados úteis para solucionar problemas de instalação e conexão do AnyConnect. O DART suporta Windows 7, Windows Vista, Windows XP, Mac versão 10.5 e 10.6 e Linux Redhat. O assistente DART é executado no computador que executa o AnyConnect. Ele reúne os registros, o status e as informações de diagnóstico para a análise do Cisco Technical Assistance Center (TAC) e não exige privilégios de administrador.

Embora o DART não confie em nenhum componente do software AnyConnect para ser executado, ainda que você possa iniciá-lo a partir do AnyConnect, ele coletará o arquivo de log do AnyConnect, se disponível. Atualmente, o DART está disponível como uma instalação independente ou o administrador pode enviar esse aplicativo para o PC cliente como parte da infraestrutura de download dinâmico do AnyConnect. Depois de instalado, o usuário final pode iniciar o assistente na pasta Cisco disponível por meio do botão **Iniciar**.