

# Configure o acesso seguro com o firewall Sonicwall

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## Introdução

Este documento descreve como configurar um túnel IPsec VTI entre o Secure Access e o firewall Sonicwall usando o roteamento estático.

## Pré-requisitos

- [Configurar Provisionamento de Usuário](#)
- [Configuração de Autenticação ZTNA SSO](#)
- [Configurar o acesso seguro da VPN de acesso remoto](#)

## Requisitos

A Cisco recomenda que você tenha conhecimento destes tópicos:

- Firewall Sonicwall ( NSv270 - SonicOSX 7.0.1 )

- Acesso seguro
- Cisco Secure Client - VPN
- Cisco Secure Client - ZTNA
- ZTNA sem cliente

## Componentes Utilizados

As informações neste documento são baseadas em:

- Firewall Sonicwall ( NSv270 - SonicOSX 7.0.1 )
- Acesso seguro
- Cisco Secure Client - VPN
- Cisco Secure Client - ZTNA

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

## Informações de Apoio

### Diagrama de Rede

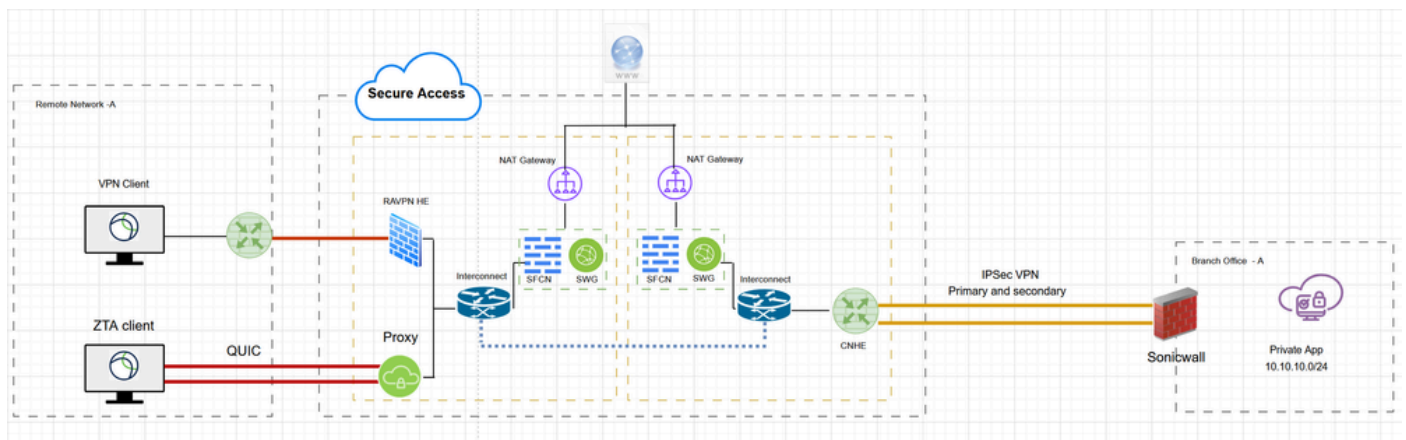


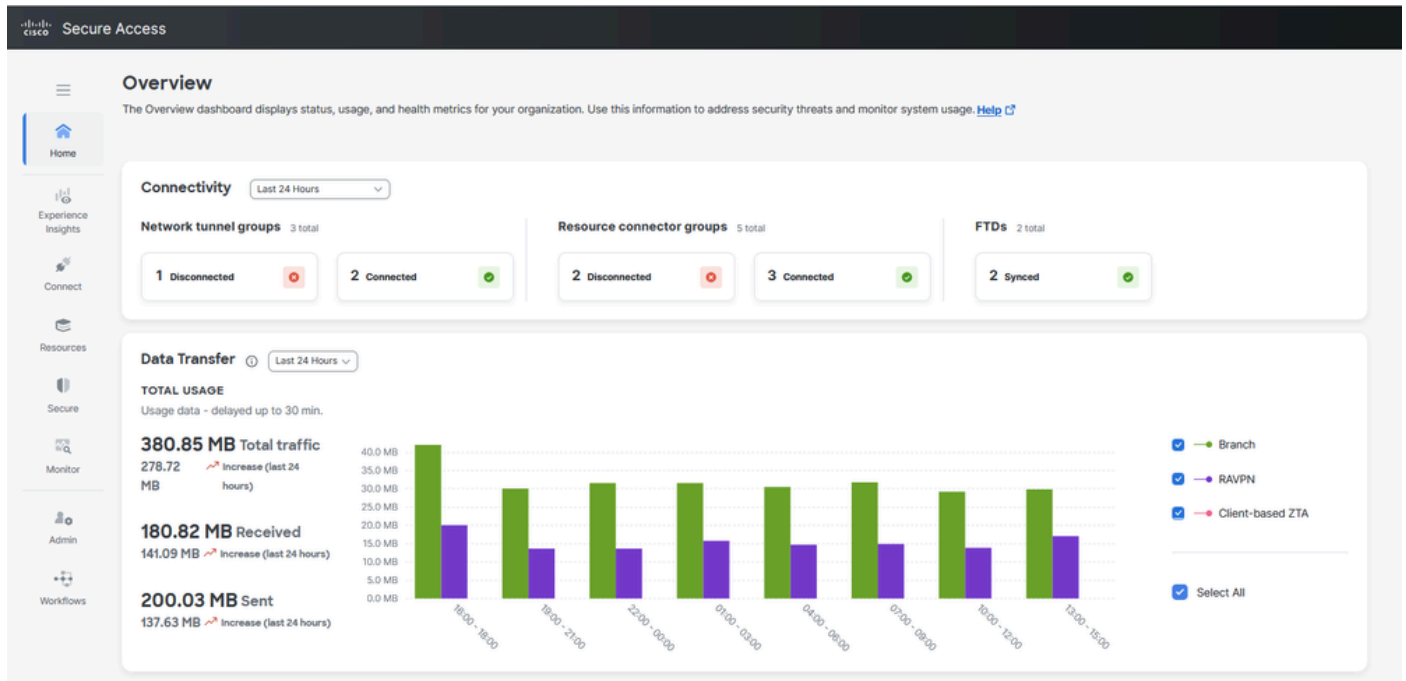
Diagrama de Rede

## Configurar

### Configurar o Network Tunnel Group (VPN) no acesso seguro

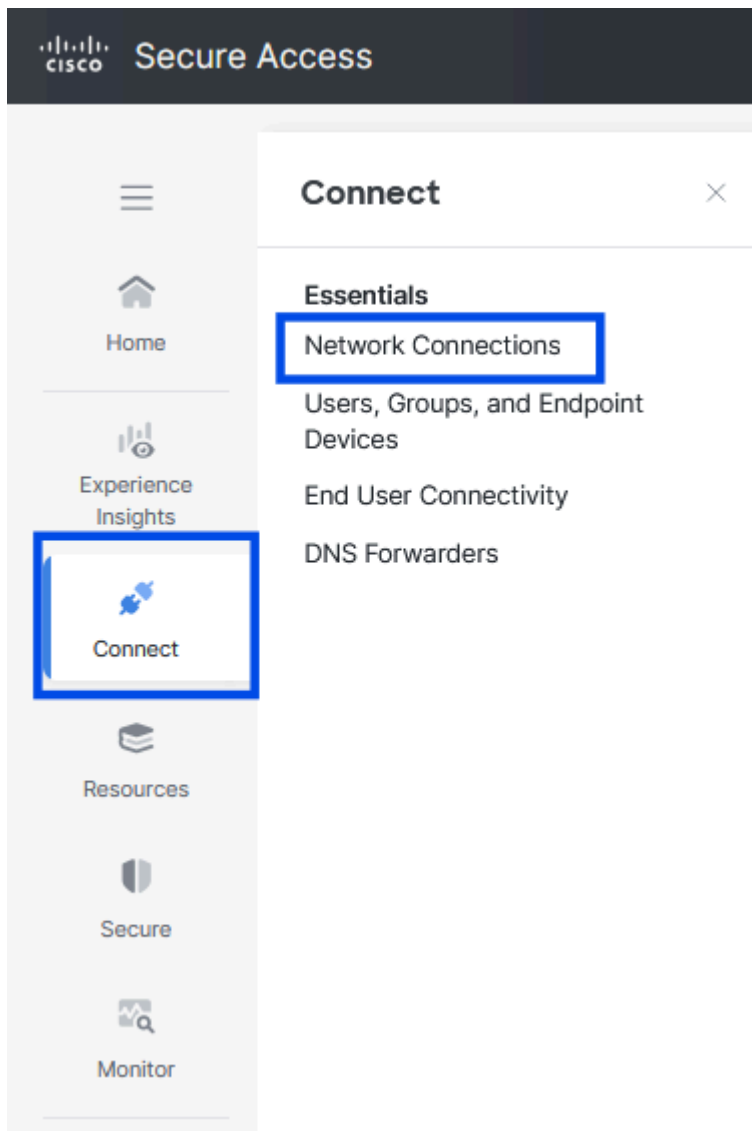
Para configurar o túnel VPN entre o Secure Access e o Sonicwall

- Navegue até o [portal admin](#) do Secure Access



Acesso seguro - Página principal

- Clique em Connect > Network Connections



Acesso seguro - Conexões de rede

- Em Network Tunnel Groups clique em + Add

The image shows the 'Network Connections' page in the Cisco Secure Access interface. The page has a sub-header 'Network Tunnel Groups' and a description: 'Manage the connections that allow user traffic to reach private resources on your network. For information about these options, see [Help](#)'. Below this are tabs for 'Connector Groups', 'Network Tunnel Groups' (selected), and 'FTDs'. A summary box shows 'Network Tunnel Groups 2 total' with counts: 0 Disconnected, 0 Warning, and 2 Connected. The main section is titled 'Network Tunnel Groups' and includes a description: 'A network tunnel group provides a framework for establishing tunnel redundancy and high availability. Connect tunnels to the hubs within a network tunnel group to securely control user access to the Internet and private resources. [Help](#)'. Below this is a search bar and filters for 'Region' and 'Status'. A table lists the tunnel groups, and a '+ Add' button is highlighted with a blue box.

Network Tunnel Group	Status	Region	Primary Hub Data Center	Primary Tunnels	Secondary Hub Data Center	Secondary Tunnels
AZURE	Connected	US (Pacific Northwest)	sse-usw-2-1-1	1	sse-usw-2-1-0	1
LAB-BGP	Connected	US (Pacific Northwest)	sse-usw-2-1-1	1	sse-usw-2-1-0	1

- Configure o nome do grupo de túneis , região e tipo de dispositivo
- Clique em Next

← Network Tunnel Groups

### Add a Network Tunnel Group

Add a network tunnel group to Secure Access and enable secure network connections to the internet and private resources. Select one of your organization's available network devices to establish this network tunnel group connection. [Help](#)

✓ General Settings

✓ Tunnel ID and Passphrase

3 Routing

4 Data for Tunnel Setup

#### General Settings

Give your network tunnel group a good meaningful name, choose a region through which it will connect to Secure Access, and choose the device type this tunnel group will use.

**Tunnel Group Name**

**Region**

US (Pacific Northwest) ▾

**Device Type**

Other ▾

[Cancel](#) [Next](#)



Note: Escolha a região mais próxima ao local do firewall.

- Configure o formato de ID de túnel e a senha
- Clique em Next

← Network Tunnel Groups

### Add a Network Tunnel Group

Add a network tunnel group to Secure Access and enable secure network connections to the internet and private resources. Select one of your organization's available network devices to establish this network tunnel group connection. [Help](#)

✓ General Settings

✓ Tunnel ID and Passphrase

3 Routing

4 Data for Tunnel Setup

#### Tunnel ID and Passphrase

Configure the tunnel ID and passphrase that devices will use to connect to this tunnel group.

**Tunnel ID Format**

☒ Email ☐ IP Address

**Tunnel ID**

@<org><hub>.sse.cisco.com

**Passphrase**

[Show](#)

The passphrase must be between 16 and 64 characters long. It must include at least one upper case letter, one lower case letter, one number, and cannot include any special characters.

**Confirm Passphrase**

[Show](#)

[Cancel](#) [Back](#) [Next](#)

## Acesso seguro - ID e senha do túnel

- Configure os intervalos de endereços IP, hosts ou sub-redes que você configurou em sua rede e deseja passar o tráfego através do Acesso Seguro
- Clique em Add
- Clique em Salvar

**Routing options and network overlaps**  
Configure routing options for this tunnel group.

**Network subnet overlap**

☐ **Enable NAT / Outbound only**  
Select if the IP address space of the subnet behind this tunnel group overlaps with other IP address spaces in your network. When selected, private applications behind these tunnels are not accessible.

**Routing option**

☒ **Static routing**  
Use this option to manually add IP address ranges for this tunnel group.

**IP Address Ranges**  
Add all public and private address ranges used internally by your organization. For example, 128.66.0.0/16, 192.0.2.0/24.

128.66.0.0/16, 192.0.2.0/24 **Add**

10.10.10.0/24 **X**

☐ **Dynamic routing**  
Use this option when you have a BGP peer for your on-premise router.

Advanced Settings

**Cancel** **Back** **Save**

## Acesso seguro - Grupos de túneis - Opções de roteamento

Depois de clicar em Save , as informações sobre o túnel serão exibidas. Salve essas informações para a próxima etapa da configuração

**Data for Tunnel Setup**  
Review and save the following information for use when setting up your network tunnel devices. This is the only time that your passphrase is displayed.

<b>Primary Tunnel ID:</b>	SonicWall-VPN@i	sse.cisco.com
<b>Primary Data Center IP Address:</b>	44.228.138.150	
<b>Secondary Tunnel ID:</b>	SonicWall-VPN@i	sse.cisco.com
<b>Secondary Data Center IP Address:</b>	52.35.201.56	
<b>Passphrase:</b>	sse.cisco.com	

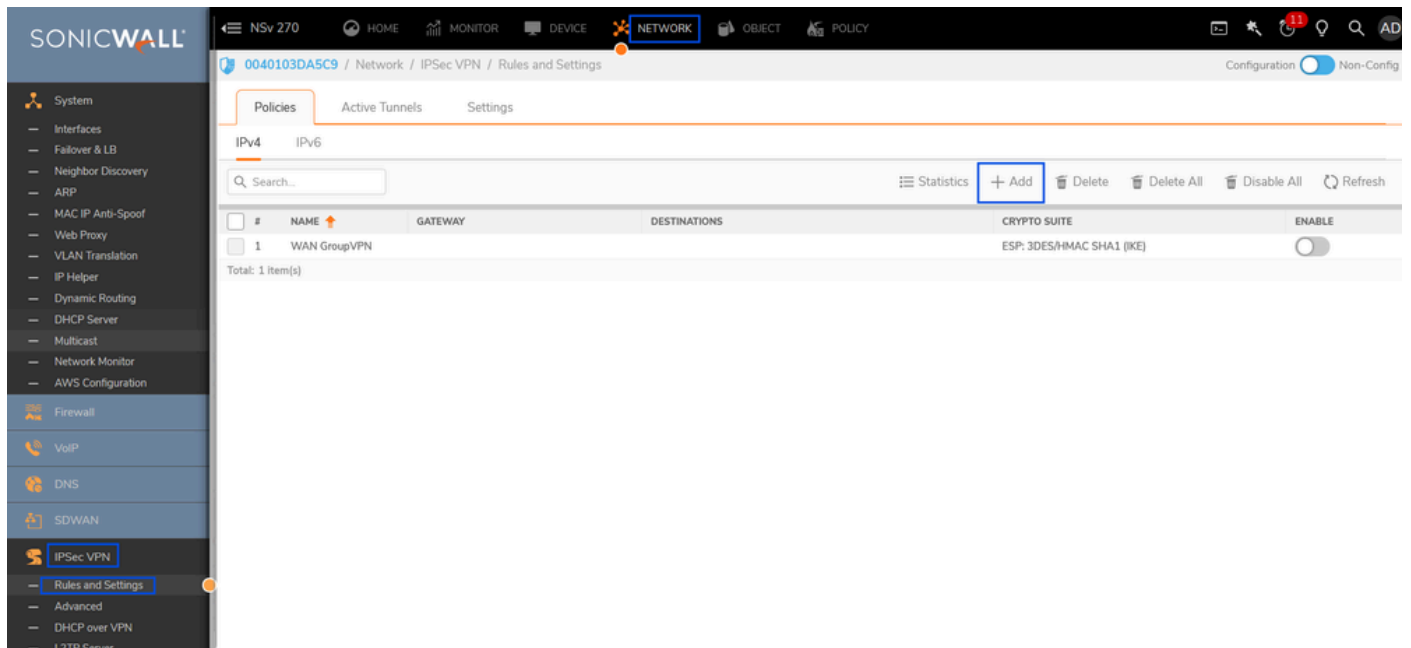
## Acesso seguro - Configuração de dados para túnel

Configure o túnel no Sonicwall

Configure o túnel - Rules and Settings

Navegue até o Painel Sonicwall.

- Rede > VPN IPsec > Regras e Configurações
- Clique em + Adicionar



Sonicwall - IPsec VPN - Regras e configurações

- Em VPN Policy , preencha a configuração de VPN com base nos dados de túnel do acesso seguro e [parâmetros-ipsec suportados](#)

## VPN Policy

General

Proposals

Advanced

SECURITY POLICY

Policy Type

Tunnel Interface

Authentication Method

IKE Using Preshared Secret

Name

SonicWall-CSA

IPsec Primary Gateway Name or Address

44.228.138.150

IKE AUTHENTICATION

Shared Secret

Mask Shared Secret

Confirm Shared Secret

Local IKE ID

E-mail Address

SonicWall-VPN@E

7-ss

Peer IKE ID

IPv4 Address

44.228.138.150

Cancel

Save

# VPN Policy

General   **Proposals**   Advanced

## IKE (PHASE 1) PROPOSAL

Exchange	<div>IKEv2 Mode</div>
DH Group	<div>Group 14</div>
Encryption	<div>AES-256</div>
Authentication	<div>SHA256</div>
Life Time (seconds)	<div>28800</div>

## IPSEC (PHASE 2) PROPOSAL

Protocol	<div>ESP</div>
Encryption	<div>AESGCM16-256</div>
Authentication	<div>None</div>
Enable Perfect Forward Secrecy	<div><input checked="" type="checkbox"/></div>
DH Group	<div>Group 14</div>
Life Time (seconds)	<div>28800</div>

Cancel

Save



# VPN Policy

General

Proposals

Advanced

ADVANCED SETTINGS

Enable Keep Alive

☒

ⓘ

Disable IPsec Anti-Replay

☐

ⓘ

Allow Advanced Routing

☐

Enable Windows Networking (NetBIOS) Broadcast

☐

Enable Multicast

☐

Display Suite B Compliant Algorithms Only

☐

Apply NAT Policies

☐

MANAGEMENT VIA THIS SA

HTTPS

☐

SSH

☐

SNMP

☐

USER LOGIN VIA THIS SA

HTTP

☐

HTTPS

☐

VPN Policy bound to

Interface X1

IKEV2 SETTINGS

Do not send trigger packet during IKE SA negotiation

☐

ⓘ

Accept Hash & URL Certificate Type

☐

Accept Hash & URL Certificate Type Send Hash & URL Certificate Type

☐

Cancel

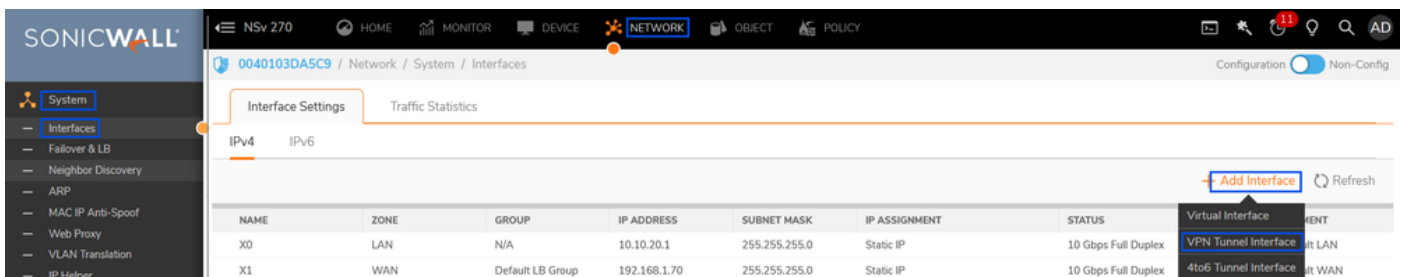
Save

- Clique em Salvar

## Adicionar interface de túnel VPN

Navegue até o Painel Sonicwall.

- Rede > Sistema > Interface
- Clique em + Adicionar interface
- Selecionar interface de túnel VPN



# Add VPN Tunnel Interface

General

Advanced

## INTERFACE SETTINGS

Zone

VPN

VPN Policy

SonicWall-CSA

Name

CSA\_Tunnel1

Mode / IP Assignment

Static IP Mode

IP Address

169.254.0.6

Subnet Mask

255.255.255.252

Interface MTU

Configured automatically via VPN policy

Comment

Tunnel 1 interface - With CSA Primary DC

Domain Name



MANAGEMENT

USER LOGIN

HTTPS



Pina



HTTP



HTTPS



Cancel

OK

- Clique em OK.

The screenshot shows the SonicWall management console. The left sidebar contains a menu with categories like System, Firewall, VoIP, and DNS. The main area displays the 'Interfaces' configuration page. At the top, there are tabs for 'Interface Settings' and 'Traffic Statistics'. Below these, there are tabs for 'IPv4' and 'IPv6'. A table lists the configured interfaces. The interface 'CSA\_Tunnel1' is highlighted with a blue box. The table has columns for Name, Zone, Group, IP Address, Subnet Mask, IP Assignment, Status, Enabled, and Comment.

NAME	ZONE	GROUP	IP ADDRESS	SUBNET MASK	IP ASSIGNMENT	STATUS	ENABLED	COMMENT
X0	LAN	N/A	10.10.20.1	255.255.255.0	Static IP	10 Gbps Full Duplex		Default LAN
X1	WAN	Default LB Group	192.168.1.70	255.255.255.0	Static IP	10 Gbps Full Duplex		Default WAN
X2	Unassigned	N/A	0.0.0.0	0.0.0.0		10 Gbps Full Duplex		N/A
X3	Unassigned	N/A	0.0.0.0	0.0.0.0		10 Gbps Full Duplex		N/A
X4	Unassigned	N/A	0.0.0.0	0.0.0.0		10 Gbps Full Duplex		N/A
X5	Unassigned	N/A	0.0.0.0	0.0.0.0		10 Gbps Full Duplex		N/A
X6	Unassigned	N/A	0.0.0.0	0.0.0.0		10 Gbps Full Duplex		N/A
X7	Unassigned	N/A	0.0.0.0	0.0.0.0		10 Gbps Full Duplex		N/A
CSA_Tunnel1	VPN	N/A	169.254.0.6	255.255.255.252	Static IP	Interface Up		Tunnel 1 interface - With CSA Primary DC

Sonicwall - Interfaces - Interface de túnel VPN

Adicionar objetos e grupos de rede

Navegue até o Painel Sonicwall.

- Objeto > Corresponder objetos >Endereços
- Objetos de Endereço
- Clique em +Adicionar

0040103DA5C9 / Object / Match Objects / Addresses

Configuration ☒ Non-Config

Address Objects Address Groups

Search... View: All IPv4 & IPv6 + Add Delete Resolve Purge Refresh Column Selection

#	OBJECT NAME	DETAILS	TYPE	IP VERSION	ZONE	REFERENCES	CLASS
1	CSA_Tunnel1 IP	169.254.0.6/255.255.255.255	host	ipv4	VPN		Default
2	CSA_Tunnel1 Subnet	169.254.0.4/255.255.255.252	network	ipv4	VPN		Default
3	Default Active WAN IP	192.168.1.70/255.255.255.255	host	ipv4	WAN		Default

Sonicwall - Object- Objetos de endereço

## Address Object Settings

**Name**  ⓘ

**Zone Assignment**  ▼


**Type**  ▼

**Network**

**Netmask / Prefix Length**


- Clique em Salvar

# Address Object Settings

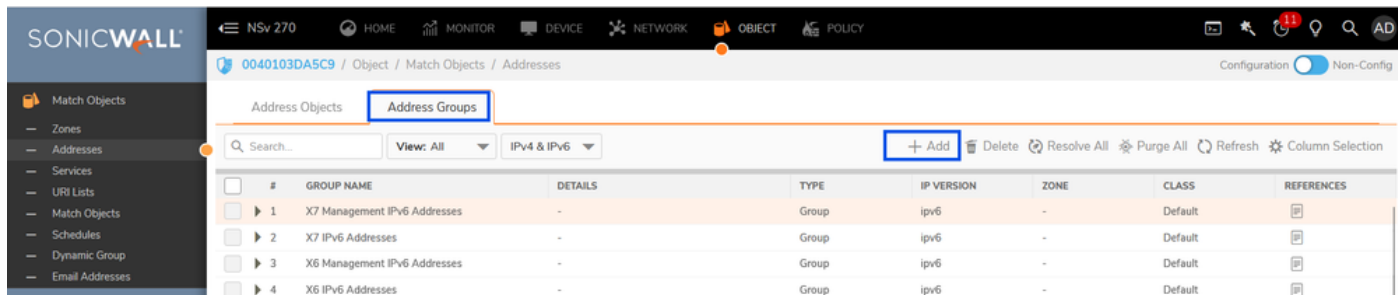
Name	<input type="text" value="CgNAT"/>	
Zone Assignment	<input type="text" value="VPN"/>	▼
Type	<input type="text" value="Network"/>	▼
Network	<input type="text" value="100.64.0.0"/>	
Netmask / Prefix Length	<input type="text" value="255.192.0.0"/>	
<input type="button" value="Cancel"/>		<input type="button" value="Save"/>

- Clique em Salvar

# Address Object Settings

Name	<input type="text" value="RAVPNUser-Pool"/>	
Zone Assignment	<input type="text" value="VPN"/>	▼
Type	<input type="text" value="Network"/>	▼
Network	<input type="text" value="10.10.50.0"/>	
Netmask / Prefix Length	<input type="text" value="255.255.255.0"/>	
<input type="button" value="Cancel"/>		<input type="button" value="Save"/>

- Clique em Salvar
- Criar grupos de endereços
- Clique em +Adicionar
- Selecione o objeto de endereço e adicione-o aos grupos de endereços



Sonicwall - Object- Grupos de endereços

## Add Address Groups

Name CSA-Subnets

SHOW AVAILABLE

☒ All (136) ☒ Hosts (37) ☒ Ranges (0) ☒ Networks (32) ☒ MAC (0) ☒ FQDN (0) ☒ Groups (67)

Not in Group 134 items

Q RAV

No Data

In Group 2 items

Q

CgNAT[NW]

RAVPNUser-Pool[NW]

Cancel

Save

- Clique em Salvar

## Adicionar rota

Navegue até o Painel Sonicwall.

- Política > Regras e Políticas > Regras de Roteamento
- Clique em + Adicionar

SonicWALL

NSv 270

HOME

MONITOR

DEVICE

NETWORK

OBJECT

POLICY

0040103DA5C9 / Policy / Rules and Policies / Routing Rules

Default & Custom

IPv4

Active & Inactive

Used & Unused

GENERAL				LOOKUP				NEXT HOP				
	PR	HITS	NAME	SOURCE	DESTINATION	SERVICE	APP	INTERFACE	GATEWAY	M...	TYPE	PATH
<input type="checkbox"/>	2	0	Route Policy_5	Any	255.255.255.255/32	Any	Any	X0	0.0.0.0	20	Standard	
<input type="checkbox"/>	3	0	Route Policy_7	Any	X1 Default Gateway	Any	Any	X1	0.0.0.0	20	Standard	
<input type="checkbox"/>	4	0	Route Policy_26	Any	CSA_Tunnel1 Subnet	Any	Any	CSA_Tunnel1	0.0.0.0	20	Standard	
<input type="checkbox"/>	7	0	Route Policy_4	Any	X0 Subnet	Any	Any	X0	0.0.0.0	20	Standard	
<input type="checkbox"/>	8	24.9k	Route Policy_6	Any	X1 Subnet	Any	Any	X1	0.0.0.0	20	Standard	
<input type="checkbox"/>	9	3.4k	Route Policy_8	X1 IP	Any	Any	Any	X1	X1 Default Gateway	20	Standard	
<input type="checkbox"/>	10	2.1k	Route Policy_9	Any	0.0.0.0/0	Any	Any	X1	192.168.1.1	20	Standard	

+ Add

Delete

Delete All

Edit

Live Counters

Reset Counters

Rules and Policies

Access Rules

NAT Rules

Routing Rules

Content Filter Rules

App Rules

Endpoint Rules

DPI-SSL

DPI-SSH

Security Services

Capture ATP

Endpoint Security

Sonicwall - Regras de roteamento

- Adicionar regra de roteamento

## Adding Rule

Name
LAN-CSA
Tags
add upto 3 tags, use comma as separator...
Description
provide a short description of your route...

Type
☒ IPv4
☐ IPv6

Lookup
Next Hop
Advanced
Probe

Source
LAN
Destination
CSA-Subnets

☒ Service
☐ App

Service
Any

Show Diagram
☐

Cancel
Add

# Adding Rule

Name

LAN-CSA

Tags

add upto 3 tags, use comma as separator...

Description

provide a short description of your route...

Type

☒ IPv4 ☐ IPv6

Lookup

Next Hop

Advanced

Probe

☒ Standard Route

☐ Multi-Path Route

☐ SD-WAN Rule

Interface

CSA\_Tunnel1

Gateway

0.0.0.0/::

Metric

5

Show Diagram

☐

Cancel

Add

- Clique em + Adicionar

SONICWALL

NSv 270

HOME

MONITOR

DEVICE

NETWORK

OBJECT

POLICY

0040103DA5C9 / Policy / Rules and Policies / Routing Rules

Configuration Non-Config

Rules and Policies

Access Rules

NAT Rules

Routing Rules

Content Filter Rules

App Rules

Default & Custom

IPv4

Active & Inactive

Used & Unused

GENERAL				LOOKUP				NEXT HOP				PROBE	OPERATION	
	PR	HITS	NAME	SOURCE	DESTINATION	SERVICE	APP	INTERFACE	GATEWAY	M	TYPE	PATH PROFILE	PROBE	CLASS
<input type="checkbox"/>	1	86	LAN-CSA_27	LAN	CSA-Subnets	Any	Any	CSA_Tunnel1	0.0.0.0	5	Standard			Custom
<input type="checkbox"/>	3	0	Route Policy_5	Any	255.255.255.255/32	Any	Any	X0	0.0.0.0	20	Standard			Default

Sonicwall - Regras de roteamento

## Adicionar regras de acesso

Navegue até o Pannel Sonicwall.

- Política > Regras e Políticas > Regras de Acesso
- Clique em + Adicionar

SONICWALL

NSv 270

HOME

MONITOR

DEVICE

NETWORK

OBJECT

POLICY

0040103DA5C9

/ Policy / Rules and Policies / Access Rules

Configuration

Non-Config

Rules and Policies

Access Rules

NAT Rules

Routing Rules

Content Filter Rules

App Rules

Endpoint Rules

DPI-SSL

DPI-SSH

Security Services

Capture ATP

Endpoint Security

Default & Custom

IPv4

All Zones -> All Zones

Active & Inactive

Used & Unused

Max Count

Reset Rules

Settings

GENERAL				ZONE		ADDRESS		SERVICE	USER		SCHEDULE
PI	HITS	NAME	ACTION	SOURCE	DESTINATION	SOURCE	DESTINATION	DESTINATION P...	USER INCL.	USER EXCL.	SCHEDULE
<input type="checkbox"/>	1 (M)	0	Default Access Rule_2	LAN	LAN	Any	All X0 Management IP	Ping	All	None	Always
<input type="checkbox"/>	2 (M)	0	Default Access Rule_3	LAN	LAN	Any	All X0 Management IP	SSH Management	All	None	Always
<input type="checkbox"/>	3 (M)	0	Default Access Rule_4	LAN	LAN	Any	All X0 Management IP	HTTPS Management	All	None	Always
<input type="checkbox"/>	4 (M)	0	Default Access Rule_5	LAN	LAN	Any	All X0 Management IP	HTTP Management	All	None	Always
<input type="checkbox"/>	5 (M)	0	Default Access Rule_6	LAN	LAN	Any	Any	Any	All	None	Always
<input type="checkbox"/>	6 (M)	0	Default Access Rule_9	LAN	VPN	WAN RemoteAccess Networks	Any	Any	All	None	Always
<input type="checkbox"/>	7 (M)	0	Default Access Rule_124	LAN	VPN	obj_10.10.20.0.24	CSA-Subnets	Any	All	None	Always
<input type="checkbox"/>	8 (M)	0	Default Access Rule_12	WAN	WAN	Any	All X1 Management IP	Ping	All	None	Always
<input type="checkbox"/>	9 (M)	0	Default Access Rule_13	WAN	WAN	Any	All X1 Management IP	SSH Management	All	None	Always
<input type="checkbox"/>	10 (M)	11.4k	Default Access Rule_14	WAN	WAN	Any	All X1 Management IP	HTTPS Management	All	None	Always
<input type="checkbox"/>	11 (M)	0	Default Access Rule_15	WAN	WAN	Any	All X1 Management IP	HTTP Management	All	None	Always
<input type="checkbox"/>	12 (A)	2	Default Access Rule_123	WAN	WAN	X1 IP	Any	IKE	All	None	Always
<input type="checkbox"/>	13 (A)	0	Default Access Rule_122	WAN	WAN	Any	X1 IP	IKE	All	None	Always
<input type="checkbox"/>	14 (M)	0	Default Access Rule_22	DMZ	DMZ	Any	Any	Any	All	None	Always
<input type="checkbox"/>	15 (M)	0	Default Access Rule_23	DMZ	VPN	WAN RemoteAccess Networks	Any	Any	All	None	Always

+ Add

Edit

Delete

Move

Enable

Disable

Live Counters

Reset Counters

Displaying 42 of 69 rules

Sonicwall - Regras de acesso

## Adding Rule

Name

CSA-Inbound-Allow

Description

Access rule to allow CSA subnets (RAVPN and CgNAT) to access the internal network/s

Action

Allow

Deny

Discard

Type

IPv4

IPv6

Priority

Manual

1

Schedule

Always

Enable

Source / Destination

User & TCP/UDP

Security Profiles

Traffic Shaping

Logging

Optional Settings

SOURCE

DESTINATION

Zone/Interface

VPN

Address

CSA-Subnets

Port/Services

Any

Zone/Interface

LAN

Address

LAN

Port/Services

Any

Show Diagram

Cancel

Add

- Clique em +Adicionar

SONICWALL																																																
NSv 270 HOME MONITOR DEVICE NETWORK OBJECT POLICY																																																
0040103DA5C9 / Policy / Rules and Policies / Access Rules Configuration Non-Config																																																
<div>Rules and Policies</div> <div>Access Rules</div> <div>NAT Rules</div> <div>Routing Rules</div> <div>Content Filter Rules</div> <div>App Rules</div> <div>Endpoint Rules</div> <div>DPI-SSL</div> <div>DPI-SSH</div> <div>Security Services</div> <div>Capture ATP</div> <div>Endpoint Security</div>																																																
<div>CSA</div> <div>Default &amp; Custom</div> <div>IPv4</div> <div>All Zones -&gt; All Zones</div> <div>Active &amp; Inactive</div> <div>Used &amp; Unused</div> <div>Max Count</div> <div>Reset Rules</div> <div>Settings</div>																																																
<table> <thead> <tr> <th colspan="4">GENERAL</th><th colspan="2">ZONE</th><th colspan="2">ADDRESS</th><th>SERVICE</th><th colspan="2">USER</th><th>SCHEDULE</th></tr> <tr> <th>PI</th><th>HITS</th><th>NAME</th><th>ACTION</th><th>SOURCE</th><th>DESTINATION</th><th>SOURCE</th><th>DESTINATION</th><th>DESTINATION P...</th><th>USER INCL.</th><th>USER EXCL.</th><th>SCHEDULE</th></tr> </thead> <tbody> <tr> <td>1 (M)</td><td>0</td><td>CSA-Inbound-Allow_127</td><td>→</td><td>VPN</td><td>LAN</td><td>CSA-Subnets</td><td>LAN</td><td>Any</td><td>All</td><td>None</td><td>Always</td></tr> </tbody> </table>													GENERAL				ZONE		ADDRESS		SERVICE	USER		SCHEDULE	PI	HITS	NAME	ACTION	SOURCE	DESTINATION	SOURCE	DESTINATION	DESTINATION P...	USER INCL.	USER EXCL.	SCHEDULE	1 (M)	0	CSA-Inbound-Allow_127	→	VPN	LAN	CSA-Subnets	LAN	Any	All	None	Always
GENERAL				ZONE		ADDRESS		SERVICE	USER		SCHEDULE																																					
PI	HITS	NAME	ACTION	SOURCE	DESTINATION	SOURCE	DESTINATION	DESTINATION P...	USER INCL.	USER EXCL.	SCHEDULE																																					
1 (M)	0	CSA-Inbound-Allow_127	→	VPN	LAN	CSA-Subnets	LAN	Any	All	None	Always																																					

Sonicwall - Regras de acesso



# Verificar

- Status do túnel no acesso seguro

← Network Tunnel Groups

SonicWall-NTG

Review and edit this network tunnel group. Details for each IPsec tunnel added to this group are listed including which tunnel hub it is a member of. [Help](#)

Summary

Warning

Primary and secondary hubs mismatch in number of tunnels.

Region

US (Pacific Northwest)

Routing Type

Static Routing

Device Type

Other

IP Address Range

10.10.10.0/24

Last Status Update

Jul 06, 2025 4:13 PM

Primary Hub

Hub Up

1

Active Tunnels

Tunnel Group ID

SonicWall-VPN@

Data Center

sse-usw-2-1-1

IP Address

44.228.138.150

Secondary Hub

Hub Down

0

Active Tunnels

Tunnel Group ID

SonicWall-VPN@

Data Center

sse-usw-2-1-0

IP Address

52.35.201.56

Network Tunnels

Review this network tunnel group's IPsec tunnels. [Help](#)

Tunnels	Peer ID	Peer Device IP Address	Data Center Name	Data Center IP Address	Status	Last Status Update
Primary 1	131073	76.39.159.129	sse-usw-2-1-1	44.228.138.150	Connected	Jul 06, 2025 4:11 PM

Acesso seguro - Grupo de túneis de rede - status da VPN

- Status do túnel no firewall Sonicwall

SONICWALL

NSv 270

HOME

MONITOR

DEVICE

NETWORK

OBJECT

POLICY

0040103DA5C9 / Network / IPsec VPN / Rules and Settings

Configuration Non-Config

Policies

Active Tunnels

Settings

IPv4

IPv6

Search

Refresh

#	CREATED	NAME	LOCAL	REMOTE	GATEWAY	COMMENT
1	07/06/2025 08:42:48	SonicWall-CSA	0.0.0.0 - 255.255.255.255	0.0.0.0 - 255.255.255.255	44.228.138.150	

Total: 1 item(s)

System

Interfaces

Fallover & LB

Neighbor Discovery

ARP

MAC IP Anti-Spoof

Web Proxy

VLAN Translation

IP Helper

Dynamic Routing

DHCP Server

Multicast

Network Monitor

AWS Configuration

Firewall

VoIP

DNS

SDWAN

IPSec VPN

Rules and Settings

Sonicwall - status de VPN IPsec

Você pode fazer o mesmo processo para configurar o túnel entre o data center secundário de acesso seguro e o Sonicwall

Agora, o túnel está UP no Secure Access e Sonicwall, você pode continuar configurando o acesso aos recursos privados através de RA-VPN , ZTA baseado em navegador ou ZTA baseado em cliente no painel de acesso seguro

# Troubleshooting

## PC do usuário

- Verifique se o usuário pode se conectar/registrar no RAVPN/ZTNA com êxito ou não. Caso contrário, solucione outros problemas relacionados à falha da conexão do plano de controle.
- Verifique se a rede que o usuário está tentando acessar deve passar pelo túnel RAVPN ou ZTNA . Caso contrário, verifique a configuração no headend .

## Acesso seguro

- Verifique a configuração do direcionamento de tráfego no perfil de conexão RAVPN para confirmar se a rede de Destino está configurada para enviar pelo túnel para Acesso Seguro.
- Verifique se o recurso privado está definido com protocolo/portas válidos e se os mecanismos de conexão ZTNA/RAVPN estão verificados.
- Verifique se a política de acesso está configurada para permitir que o usuário RAVPN/ZTNA acesse a Private Resource Network e seja colocado em uma ordem em que nenhuma outra regra tenha precedência para bloquear o tráfego.
- Verifique se o túnel IPsec está UP e Secure Access mostrando rotas de cliente válidas através de roteamento estático que cobre o recurso privado que o usuário está tentando acessar.

## Sonicwall

- Verifique se o túnel IPsec está UP ou não ( IKE & IPsec SA) .
- Verifique se a rota ou rotas do cliente foram anunciadas corretamente.
- Verifique se as fontes de tráfego do usuário RAVPN/ZTNA destinadas ao recurso privado por trás do Sonicwall estão alcançando o firewall Sonicwall através do túnel, capturando pacotes no Sonicwall.
- Verifique se o tráfego atingiu o recurso privado e respondeu ao cliente RAVPN/ZTNA ou não. Se sim, verifique se esses pacotes estão chegando à interface Sonicall X0 (LAN).
- Verifique se Sonicwall está encaminhando o tráfego de retorno através do túnel IPsec em direção ao acesso seguro.

## Informações Relacionadas

- [Suporte técnico e downloads da Cisco](#)
- [Central de ajuda do Cisco Secure Access](#)
- [Módulo de acesso Zero Trust](#)
- [Solucione O Erro De Acesso Seguro "O Serviço De Registro Não Está Respondendo. Entre em contato com o help desk de TI"](#)

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