

SOPHOS İLE NSX EDGE ARASINDA IPSEC YAPILANDIRMASI

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SOPHOS İLE NSX EDGE ARASINDA IPSEC YAPILANDIRMASI

Sopshos UTM ile NSX Edge firewall ipsec bağlantısı için arasında faz1 ve faz2 uygun yapılan şekilde yapılandırmanız gerekmektedir.

Sophos UTM Tanımları:

SOPHOS UTM 9 | admin | ? | C | ⚙️

search IPsec

Dashboard Management Definitions & Users Interfaces & Routing Network Services Network Protection Web Protection Email Protection Advanced Protection Endpoint Protection Wireless Protection Webserver Protection RED Management Site-to-site VPN Amazon VPC **IPsec** SSL Certificate Management Remote Access Logging & Reporting Support Log off

Connections Remote Gateways **Policies** Local RSA Key Advanced Debug

+ New IPsec Policy...

search Find

Display: 10 1-10 of 10

Action	Sort by: Name asc
<input type="checkbox"/> Edit Delete Clone	AES-256 Compression off, not using strict policy. IKE Settings: AES 256 / MD5 / Group 5: MODP 1536 Lifetime: 7800 seconds IPsec Settings: AES 256 / MD5 / Null (None) Lifetime: 3600 seconds
<input type="checkbox"/> Edit Delete Clone	AES-256 PFS Compression off, not using strict policy. IKE Settings: AES 256 / MD5 / Group 5: MODP 1536 Lifetime: 7800 seconds IPsec Settings: AES 256 / MD5 / Group 5: MODP 1536 Lifetime: 3600 seconds
<input type="checkbox"/> Edit Clone	L2TP-over-IPsec [Policy used for L2TP-over-IPsec] Compression off, not using strict policy. IKE Settings: AES 128 / SHA2 256 / Group 14: MODP 2048 Lifetime: 28800 seconds IPsec Settings: AES 128 / SHA2 256 (96 bit) / Null (None) Lifetime: 3600 seconds
<input type="checkbox"/> Edit Delete Clone	Microsoft Windows Compression off, not using strict policy. IKE Settings: 3DES / SHA1 / Group 14: MODP 2048 Lifetime: 28800 seconds IPsec Settings: 3DES / MD5 / Null (None) Lifetime: 3600 seconds
<input type="checkbox"/> Edit Delete Clone	Novell BorderManager Compression off, using strict policy. IKE Settings: 3DES / SHA1 / Group 2: MODP 1024 Lifetime: 14400 seconds IPsec Settings: 3DES / MD5 / Group 2: MODP 1024 Lifetime: 3600 seconds
<input type="checkbox"/> Edit Delete Clone	TripleDES Compression off, not using strict policy. IKE Settings: 3DES / MD5 / Group 5: MODP 1536 Lifetime: 7800 seconds IPsec Settings: 3DES / MD5 / Null (None) Lifetime: 3600 seconds
<input type="checkbox"/> Edit Delete Clone	TripleDES PFS Compression off, not using strict policy. IKE Settings: 3DES / MD5 / Group 5: MODP 1536 Lifetime: 7800 seconds IPsec Settings: 3DES / MD5 / Group 5: MODP 1536 Lifetime: 3600 seconds
<input type="checkbox"/> Edit Delete Clone	demopolicy Compression off, not using strict policy. IKE Settings: AES 128 / SHA1 / Group 5: MODP 1536 Lifetime: 28800 seconds IPsec Settings: AES 128 / SHA1 / Group 5: MODP 1536 Lifetime: 3600 seconds

New IPsec Policy seçerek yeni bir policy oluşturuyoruz.

+ New IPsec Policy...

search

Edit IPsec Policy

Name: demopolicy

IKE encryption algorithm: AES 128

IKE authentication algorithm: SHA1

IKE SA lifetime: 28800

IKE DH group: Group 5: MODP 1536

IPsec encryption algorithm: AES 128

IPsec authentication algorithm: SHA1

IPsec SA lifetime: 3600

IPsec PFS group: Group 5: MODP 1536

Strict policy: ☐

Compression: ☐

Comment:

Save

Cancel

Sophos UTM üzerinde görseldeki şekilde Faz1 ve Faz2 yapılandırmasını gerçekleştiriyoruz.

search

IPsec

Dashboard

Management

Definitions & Users

Interfaces & Routing

Network Services

Network Protection

Web Protection

Email Protection

Advanced Protection

Endpoint Protection

Wireless Protection

Webserver Protection

RED Management

Site-to-site VPN

Amazon VPC

IPsec

SSL

Certificate Management

Connections

Remote Gatew...

Policies

Local RSA Key

Advanced

Debug

+ New Remote Gateway...

search

Find

Display: 10

Action

Sort by: Name asc

Edit

Delete

Clone

demo_remote

37

VPN ID is IP Address, authenticated via Preshared key.

New Remote Gateway ekliyoruz.

IPsec

ConnectionsRemote Gatew...PoliciesLocal RSA KeyAdvancedDebug

+ New Remote Gateway...

searchFind

Display: 101-1 of 1

Edit Remote Gateway

Name: demo_remote

Gateway type: Initiate connection

Gateway: 37.9.203.107

Authentication type: Preshared key

Key:

Repeat:

VPN ID type: IP address

VPN ID (optional):

Remote networks: 172.20.0.0/24

Comment:

Advanced

SaveCancel

Action

Sort by: Name asc

demo_remote

37.9.203.107

VPN ID is IP Address, authenticated via Preshared key.

EditDeleteClone

Uzak uç public , local ip ve Preshared key tanımlarımızı giriyoruz.

search IPsec

Dashboard Management Definitions & Users Interfaces & Routing Network Services Network Protection Web Protection Email Protection Advanced Protection Endpoint Protection Wireless Protection Webserver Protection RED Management Site-to-site VPN Amazon VPC IPsec SSL Certificate Management

Connections Remote Gateways Policies Local RSA Key Advanced Debug

+ New IPsec Connection... search Find << >>

Open Live Log Display: 10 1-1 of 1

☐ Action ☐ Edit ☐ Demo_IPsec External demo_remote demopolicy [Auto Firewall is on and strict routing is not in use.] ☐ Delete ☐ Clone

New IPsec Connection seçiyoruz.

IPsec

Connections Remote Gateways Policies Local RSA Key Advanced Debug

+ New IPsec Connection... search Find << >>

Open Live Log Display: 10 1-1 of 1

Edit IPsec Connection

Name: Demo_IPsec

Remote gateway: demo_remote

Local interface: External

Policy: demopolicy

Local Networks

172.20.0.0/24	DND	DND	DND	DND
DND	DND	DND	DND	DND
DND	DND	DND	DND	DND
DND	DND	DND	DND	DND

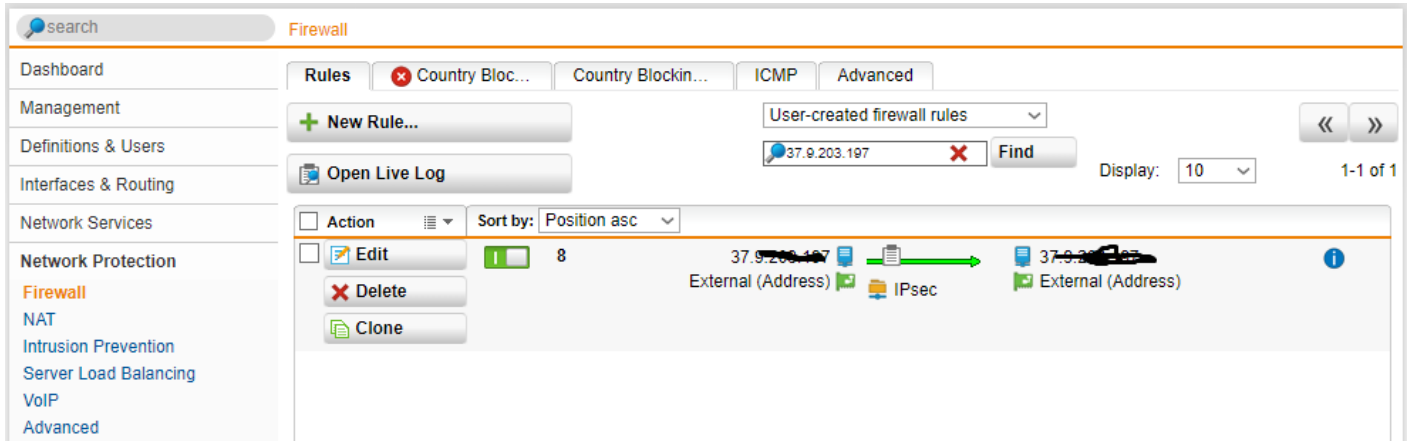
☒ Automatic firewall rules
☐ Strict routing
☐ Bind tunnel to local interface

Comment:

Save Cancel

☐ Action ☐ Edit ☐ Demo_IPsec External demo_remote demopolicy [Auto Firewall is on and strict routing is not in use.] ☐ Delete ☐ Clone

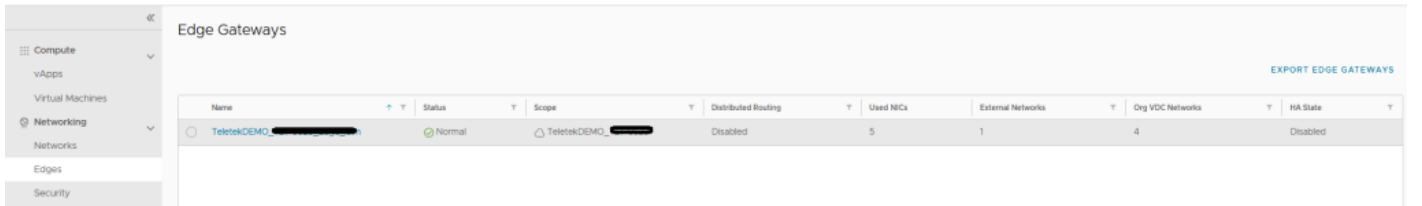
Local ip adresimiz ile birlikte tanımladığımız remote gateway local interface policy yi seçiyoruz.



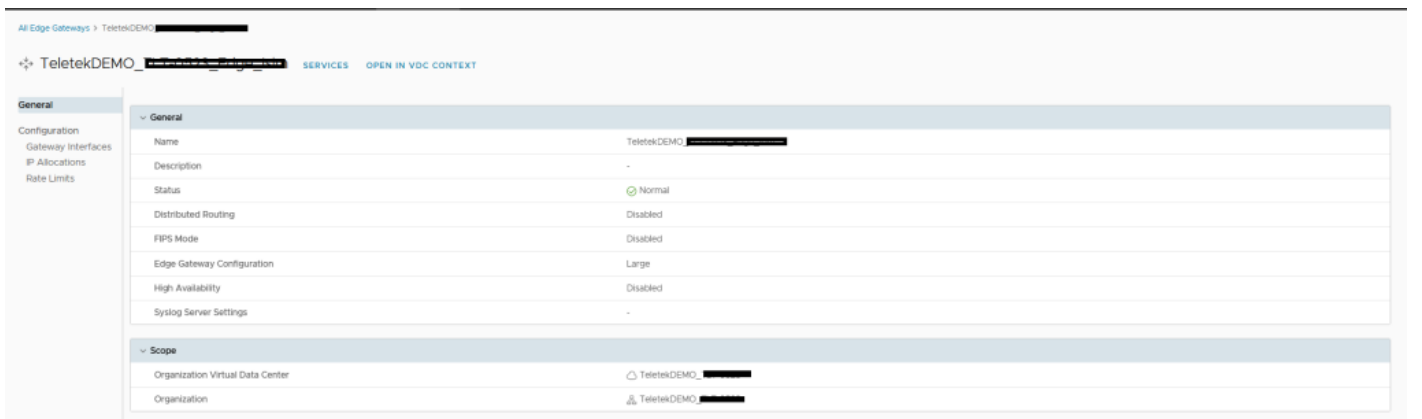
Son olarak Firewall'dan karşılıklı Ipsec kuralımızı tanımlıyoruz.

NSX Edge Tanımları:

Vmware Cloud Director 'de VDC 'ye giriş yaptıktan sonra sol kısımda Edges kısmını göreceksiniz.



Ekrandaki mavi yazılı kısmına çift tıklayarak devam ediyoruz.



Yeni açılan sayfada "SERVICES" kısmına çift tıklıyoruz.

Firewall Rules

Enabled ☒[+](#) [x](#) [+](#) [+](#)Show only user defined rules ☐

Firewall tabında Firewal Rules >> Enabled kısmını aktif ediyoruz

IPsec VPN

IPsec VPN Configuration

Activation Status Global Configuration Logging Settings

IPsec VPN Sites

[+](#) [x](#) [x](#)

Site Name	Local Endpoint	Local Subnets	Peer Endpoint	Peer Subnets	Site Enabled
Teletek-test-Ark...	37	172	195	172	<input checked="" type="checkbox"/>

VPN >> IPsec VPN Configuration >> Ipsec VPN Sites " + " işareti basarak yeni yapılandırma oluşturuyoruz. Aşağıdaki örneklerdeki gibi ayarlarımızı ekliyoruz.

Edit IPsec VPN

Enabled

Enable perfect forward secrecy (PFS)

Name

Teletek-test-Ankara

Local Id *

37.██████████

Local Endpoint *

37.██████████

SELECT

Local Subnets *

172.2██████████

Subnets should be entered in CIDR format with comma as separator.

Peer Id *

195.██████████

Peer Endpoint *

195.155.195.192

Endpoint should be a valid IP, FQDN or any.

Peer Subnets *

172.2██████████

Subnets should be entered in CIDR format with comma as separator.

Extension

DISCARD

KEEP

Edit IPsec VPN



Extension could be passthroughSubnets=192.168.1.0/24, 192.168.2.0

Encryption Algorithm

AES

Authentication

PSK

Change Shared Key



Pre-Shared Key

.....

Display Shared Key



The global pre-shared key (PSK) is shared by all the sites whose peer endpoint is set to 'any'. If a global PSK is already set, changing the PSK to an empty value and saving it has no effect on the existing setting.

Diffie-Hellman Group

DH5

Digest Algorithm

SHA1

IKE Option

IKEv1

IKE Responder Only



Session Type

Policy Based Session

DISCARD

KEEP