

# LAB VIÉT POLICY NAT CHO VPN11 SERVICE VÓI CENTRALIZED DATA POLICY

### I. Sơ đồ



## II. Yêu cầu kỹ thuật

Tạo một chính sách Centralized Policy: *VPN11\_NAT\_POLICY* Tiến hành kiểm tra thiết bị đã ra mạng thông qua CLI và trên giao diện WEB.

#### III. Các bước thực hiện

### 3.1. Tạo một chính sách Centralized Policy cho VPN 11

Giao diện vManage > Configuration > Policies > Centralized Policy > Add Policy.



**TRUNG TÂM TIN HỌC VNPRO Đ**C: 276 - 278 Ung Văn Khiêm, P.25, Q.Binh Thạnh, Tp Hồ Chí Minh

DC: 276 - 278 Ung van Kniem, P.25, Q.Binn Thann, 1p Ho Chi Minn DT: (028) 35124257 | Hotline: 0933427079 Email: vnpro@vnpro.org

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Cisco SD-WAN					Overview	v		$\bigcirc$	=	?	4
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*Data Prefix > New Data Prefix List* Nhập Prefix List Name: *AllSite* Addd Prefix > nhập 10.10.0.0/16 là summary route của 10.10.10.1/24, 10.10.20.1/24, 10.10.30.1/24.

Website: www.vnpro.vn | Forum: www.vnpro.org | Video: https://www.youtube.com/@vnpro149



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Tiếp tục chọn mục Site để tạo các Site tương ứng

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Tiếp tục chọn mục VPN để tạo VPN11

**V**nPro

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#### Nhấn Next tới phần Configure Traffic Rules

Trong phần Configure Traffic Rules, chọn mục Traffic Data > Add Policy > Create New.

Monitor - VPN Cisco SDWAN × +						$\sim$	-	٥	×
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Nhập tên data policy (VPN11\_NAT\_POLICY) và nhập mô tả (VPN11\_NAT\_POLICY)

CÔNG TY TNHH	TƯ VÁN VÀ	DĮCH VŲ	CHUYÊN VIỆT

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Ionitor - VDN Cisco SDMAN		· · · · · · · · · · · · · · · · · · ·	_	n	
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# Trong phần Default Action, Actions > Accept

#### Chon Save Match And Actions

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Sequence Type > Custom > Sequence Rule

	DC: 276 - 278 DT: (028) 351:	Ung Văn Khiêm, P.25, Q.Bình Thạnh, Tp Hồ Chí l 24257   Hotline: 0933427079 Email: vnpro@vnpr
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E Cisco SD-WAN 🔅 Select Resource Group•	VPN	
dd Data Policy		<u>^</u>
Name* VPN11_NAT_POLICY		
Description* VPN11_NAT_POLICY  Default Action Add D  Accept	× ata Policy	0
wit Action	ation Freewall pplication traffic to a freewall.  e Chaining g data traffic through freewalls, load balancers and IDP's. Engineering enrol traffic along a desired path.	
Creat	a custom policy.	

Chon Match > Source Data Prefix List và Destination Data Prefix List.

Trong Source Data Prefix List và Destination Data Prefix List, chọn *Allsite* đã được tạo trước đó.

E Cisco SD-WAN	Select Resource Group		VPN		
dd Data Policy					
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Description* VPN11_M	NAT_POLICY				
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	Search	AllSite			
	AllSite	10.10.0/16			
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Chon Actions > Accept



#### Chon Counter Name: counter 1

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ult Action	Match Conditions	Actions	
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	AllSite ×	<ul> <li>Counter Name</li> </ul>	×
	Source: IP Example: 10.0.0.0/12 Prefix	Counter_1	
	Destination Data Prefix List AllSite ×	×	
	Destination: IP Example: 10.0.0.0/12		

Chon Save Match And Actions

Tiếp tục tạo thêm một chính sách giống với các bước với các thông sau như sau:

Source Data Prefix List: Allsite

Actions > Accept NAT VPN: 0

Counter Name: counter\_2

CÔNG TY TNHH TƯ VÁN VÀ DỊCH VỤ CHUYÊN VIỆT

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 DT: (028) 35124257 | Hotline: 0933427079 Email: vnpro@vnpro.org

C A Not secure Https://19 Cisco SD-WAN Add Data Policy Name* VPN11_NAT_POI Description* VPN11_NAT_POI	02.168.1.1:8443/#/app/config/policy?type=	centralizedPolicy&action=add				Ê	☆	
Cisco SD-WAN Add Data Policy Name* VPN11_NAT_POI Description* VPN11_NAT_POI	⑦ Select Resource Group •							
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Chọn Save Data Policy để hoàn thành việc tạo chính sách

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Nhấp Next để tới phần Apply Policies to Sites and VPNs

Nhập Policy Name (VPN11\_NAT\_POLICY) và Policy Description (NAT Policy)

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Trong phần New Site and VPN List, chọn From Service và lần lượt các mục chọn như hình:

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3.2. Áp dụng chính sách vào các bộ định tuyến vEdge

Giao diện vManage > Configuration > Policies > Centralized Policy. Tìm tới policy có tên là vpn11\_nat\_policy

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Website: www.vnpro.vn | Forum: www.vnpro.org | Video: https://www.youtube.com/@vnpro149



Chính sách này sẽ được đẩy đến bộ điều khiển vSmart để vSmart phân tích sau đó sẽ tiến hành đẩy xuống các bộ định tuyến vEdge.



IV. Kiểm tra hoạt động của chính sách.

Dùng lệnh *show policy from-vsmart* trên vEdge để kiểm tra nội dung chính sách mà vSmart đẩy xuống.



Kiểm tra các loopback đã được đi ra ngoài Internet và các loopback của các site đã kết nối với nhau bằng lệnh **Ping.** 



File Edit View Options Transfer Script Tools Window Help 🖏 況 🎧 🖏 🛣 Enter host <Alt+R> 🔢 🗈 🏝 👫 🛛 🗛 🤧 🕼 🕈 🗐 🦉 🎊 📍 🗐 🖉 ✓ vEdge-Site1 ✓ R-Site1 × R-Site1#ping 8.8.8.8 source lo0 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 8.8.8.8, timeout is 2 seconds: Packet sent with a source address of 10.10.1.1 .... Success rate is 100 percent (5/5), round-trip min/avg/max = 55/61/72 ms R-Sitel# R-Site1#ping 8.8.8.8 source 10.10.10.1 Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 8.8.8.8, timeout is 2 seconds: Packet sent with a source address of 10.10.10.1 Success rate is 100 percent (5/5), round-trip min/avg/max = 52/59/61 ms R-Sitel# Kiểm tra lối đi giữa các site bằng lệnh Traceroute



Kiểm tra kết nối của các thiết bị một cách trực tiếp thông qua giao diện vManage. *Monitor* > *Devices* > *vEdge-site1* > *Troubleshooting* > *Simulate Flows* 







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**ĐC**: 276 - 278 Ung Văn Khiêm, P.25, Q.Binh Thạnh, Tp Hồ Chí Minh **ĐT**: (028) 35124257 | **Hotline**: 0933427079 **Email**: vnpro@vnpro.org

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