

# 從重分發到OMP中排除路由

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## 簡介

本文說明如何避免將不需要的路由重新分發到重疊管理協定(OMP)中。

## 必要條件

### 需求

思科建議瞭解以下主題：

- [思科軟體定義廣域網路\(SD-WAN\)](#)
- [路由](#)

### 採用元件

本文中的資訊係根據以下軟體和硬體版本：

- Cisco vManage 20.6.5.2版
- Cisco WAN邊緣路由器17.6.3a

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

## 組態

預設情況下，連線、靜態、OSPF區域間以及OSPF區域內重新分發到OMP。

## 本地化策略+ CLI附加模板

在此使用情形中，您不想在vrf 1中重分佈其中一個連線的路由。預設情況下，所有連線的路由都重新分發到OMP中，此用例有助於過濾特定的連線字首。

### 1.本地化政策

在Localized策略的自定義選項下建立新的字首清單：需要字首才能知道需要重新分發的路由。

Localized Policy > Define Lists

Select a list type on the left and start creating your groups of interest

Name	Entries	Internet Protocol	Reference Count
Loopback2_allow	192.168.50.2/32	IPv4	1

建立路由策略並將其應用於本地化策略：匹配之前建立的字首，並將操作設定為接受。路由策略被推送到WAN邊緣裝置後，就會轉換為路由對映。

Localized Policy > Route Policy > Edit Route Policy

Name: Loopback2\_allow\_local\_policy  
Description: Loopback2\_allow\_local\_policy

Route

Sequence Rule Drag and drop to re-arrange rules

Match Actions

Protocol: IPv4

Address: Loopback2\_allow

AS Path List Community List Extended Community List BGP Local Preference Metric Next Hop OMP Ts

Match Conditions

Address: Loopback2\_allow

Actions

Accept Enabled

Cancel Save Match And Actions

預設操作必須為Reject，因為需要重新分發之前建立的字首。

Localized Policy > Route Policy > Edit Route Policy

Name: Loopback2\_allow\_local\_policy

Description: Loopback2\_allow\_local\_policy

Sequence Type

Drag & drop to reorder

Route

Default Action

Default Action

Default Action	
Reject	Enabled

預覽：這是建立本地化策略後配置的外觀。

## Policy Configuration Preview

```
policy
route-policy Loopback2_allow_local_policy
  sequence 1
    match
      address Loopback2_allow
    !
    action accept
    !
  !
  default-action reject
  !
lists
  prefix-list Loopback2_allow
  ip-prefix 192.168.50.2/32
  !
  !
  !
```

## 2.使用CLI附加模板。

確保建立CLI附加模板以對映先前在OMP下建立的路由對映，因為沒有選項可在OMP功能模板下對映它。

[Feature Template](#) > [Cli Add-On Template](#) > C1111X-8P\_CLI

Device Type	C1111X-8P
Template Name	<input type="text" value="C1111X-8P_CLI"/>
Description	<input type="text" value="C1111X-8P_CLI"/>

CLI add-on template is supported with IOS XE 17.2.1 version onward, please

### CLI CONFIGURATION

```
1 sdwan omp address-family ipv4 vrf 1
2 advertise connected route-map Loopback2_allow_local_policy
```

將建立的本地化策略和CLI附加模板附加到裝置模板。

Basic Information    Transport & Management VPN    Service VPN    Cellular    Additional Templates    Switchport

### Additional Templates

AppQoE	<input type="text" value="Choose..."/>
Global Template *	<input type="text" value="C1111X-8P_Global"/> ⓘ
Cisco Banner	<input type="text" value="Choose..."/>
Cisco SNMP	<input type="text" value="Choose..."/>
TrustSec	<input type="text" value="Choose..."/>
CLI Add-On Template	<input type="text" value="C1111X-8P_CLI"/>
Policy	<input type="text" value="route_map"/>
Probes	<input type="text" value="Choose..."/>
Security Policy	<input type="text" value="Choose..."/>

## CLI附加模板

1.在本使用案例中，您要重分發OSPF內部路由，而不是OSPF外部路由。預設情況下，OSPF內部路由會重分佈到OMP中，此用例有助於過濾特定的OSPF字首。

要僅限制重分發到OMP的VRF 1上的OSPF內部路由，請對其進行路由對映，並定義與型別OSPF internal匹配的路由對映。路由對映配置通過CLI附加模板完成。

[Feature Template](#) > [Cli Add-On Template](#) > ASR1001-X\_CLI\_Allow\_internal

Device Type	ASR1001-X
Template Name	<input type="text" value="ASR1001-X_CLI_Allow_internal"/>
Description	<input type="text" value="ASR1001-X_CLI_Allow_internal"/>

CLI add-on template is supported with IOS XE 17.2.1 version onward,

### CLI CONFIGURATION

```
1 route-map internal_allow permit 10
2 match route-type internal
3 !
4 sdwan omp
5 address-family ipv4 vrf 1
6 advertise ospf route-map internal_allow external|
```

將CLI附加模板附加到裝置模板。

## Additional Templates

AppQoE	Choose...
Global Template *	ASR1001-X_Global ⓘ
Cisco Banner	Choose...
Cisco SNMP	Choose...
TrustSec	Choose...
CLI Add-On Template	ASR1001-X_CLI_Allow_internal
Policy	Choose...
Probes	Choose...
Security Policy	Choose...

2. 在本使用案例中，您要重分發OSPF外部路由，而不是OSPF內部路由。預設情況下，OSPF外部路由不會重分佈到OMP中，此用例有助於過濾特定的OSPF字首。

要僅限制重分發到OMP的VRF 1上的OSPF外部路由，請對其進行路由對映，並定義與型別OSPF external匹配的路由對映。路由對映配置通過CLI附加模板完成。

Device Type ASR1001-X

Template Name ASR1001-X\_CLI-Allow\_external

Description ASR1001-X\_CLI-Allow\_external

CLI add-on template is supported with IOS XE 17.2.1 version onward,

### CLI CONFIGURATION

```
1 route-map external_allow permit 10
2 match route-type external
3 !
4 sdwan omp
5 address-family ipv4 vrf 1
6 advertise ospf route-map external_allow external
```

將CLI附加模板附加到裝置模板。

## Additional Templates

AppQoS	Choose...
Global Template *	ASR1001-X_Global <span>i</span>
Cisco Banner	Choose...
Cisco SNMP	Choose...
TrustSec	Choose...
CLI Add-On Template	ASR1001-X_CLI_Allow_external
Policy	Choose...
Probes	Choose...
Security Policy	Choose...

## 集中控制策略

1. 在本使用案例中，您希望站點ID為10和100的兩個目標站點上不接收特定路由192.168.50.2/32。

在Centralized Policy (集中策略) 的自定義選項下建立站點清單：需要站點清單才能知道在哪些站點上不能接收路由。

Centralized Policy > Define Lists Custom Options

Select a list type on the left and start creating your groups of interest

- Application
- Color
- Community
- Data Prefix
- Policer
- Prefix
- Site
- App Probe Class
- SLA Class
- TLOC
- VPN

[New Site List](#)

Name	Entries	Reference Count	Updated By	Last Updated	Action
BRANCH	5, 10, 15, 20, 30, 35	2	admin	07 May 2023 2:51:18 PM CDT	<a href="#">edit</a> <a href="#">delete</a>
HUB_DC_Site_50	50	2	admin	07 May 2023 2:49:52 PM CDT	<a href="#">edit</a> <a href="#">delete</a>
HUB_DC_Site_40	40	0	admin	07 May 2023 2:50:04 PM CDT	<a href="#">edit</a> <a href="#">delete</a>
test_route_map	100	2	admin	14 Jul 2023 2:17:15 PM CDT	<a href="#">edit</a> <a href="#">delete</a>
Branch_Block_Traffic	10, 100	1	admin	15 Jul 2023 4:57:49 PM CDT	<a href="#">edit</a> <a href="#">delete</a>



在Centralized policy的自定義選項下建立新的字首清單：需要字首才能知道不需要接收哪個路由。



Centralized Policy > Define Lists

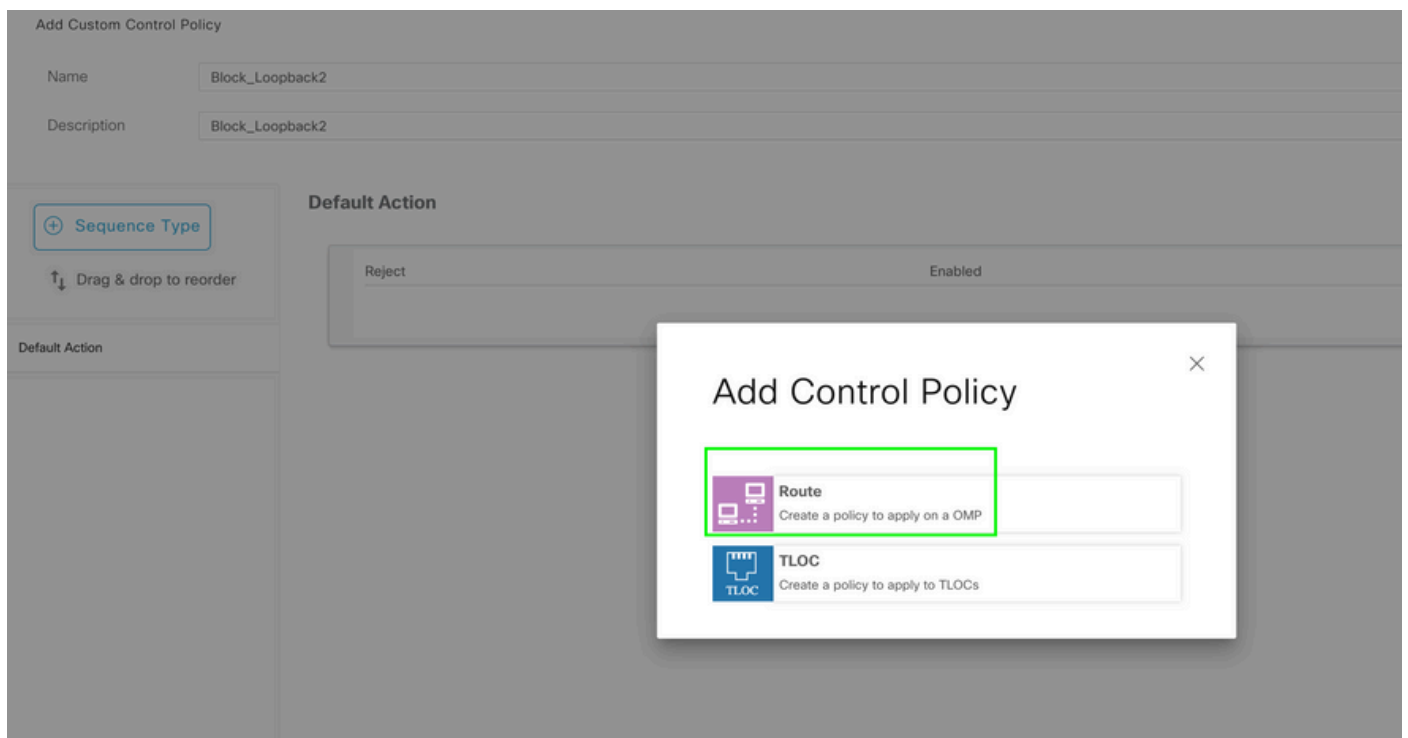
Select a list type on the left and start creating your groups of interest

Application  
Color  
Community  
Data Prefix  
Policer  
**Prefix**  
Site  
App Probe Class  
SLA Class  
TLOC  
VPN

+ New Prefix List

Name	Entries	Internet Protocol	Reference Count	Updated By	Last Updated	Action
Loopback2_allow	192.168.50.2/32	IPv4	2	admin	12 Jul 2023 11:48:57 AM CDT	
Loopback2_Block	192.168.50.2/32	IPv4	1	admin	15 Jul 2023 4:58:14 PM CDT	

在帶有自定義控制（路由和TLOC）的集中策略自定義選項下建立拓撲。



Add Custom Control Policy

Name: Block\_Loopback2

Description: Block\_Loopback2

+ Sequence Type

↑↓ Drag & drop to reorder

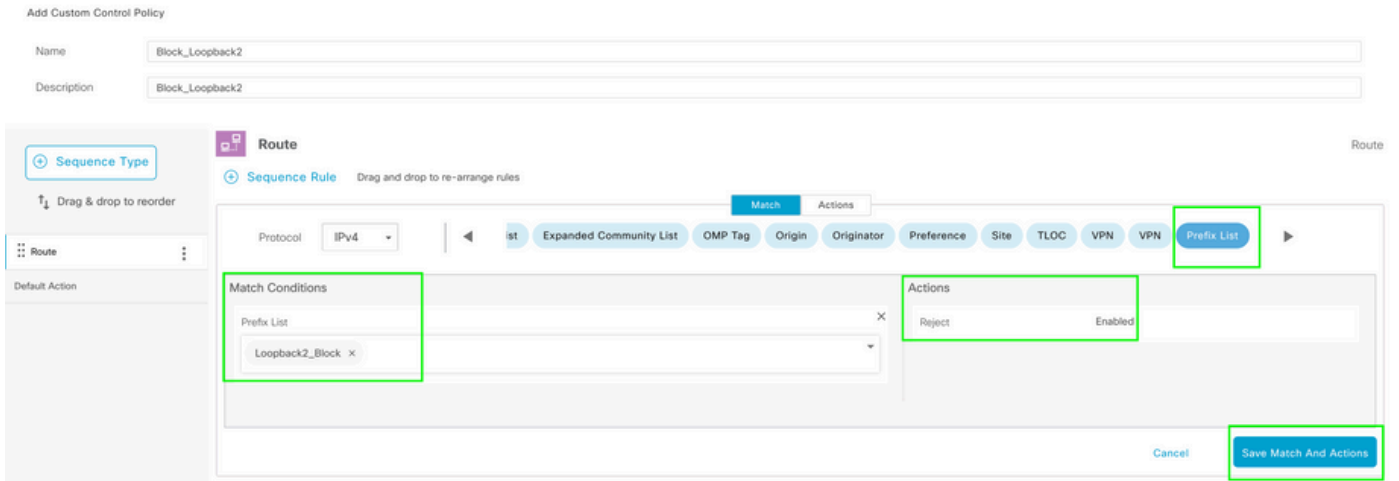
Default Action

Reject Enabled

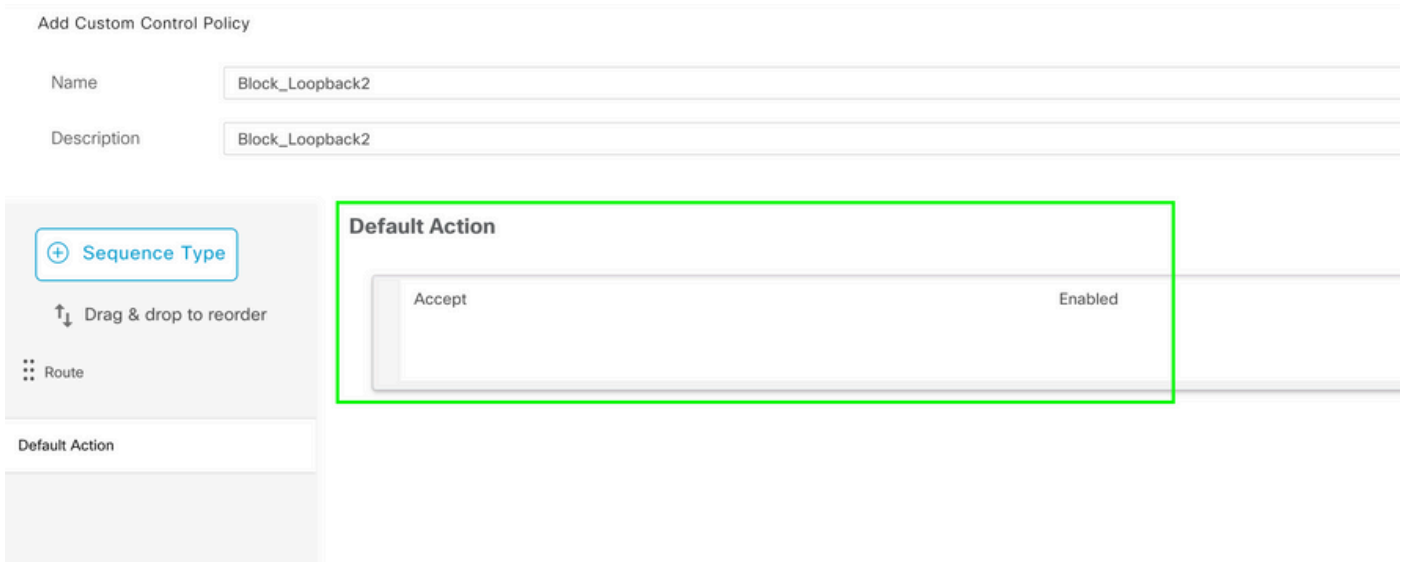
Add Control Policy

- Route: Create a policy to apply on a OMP
- TLOC: Create a policy to apply to TLOCs

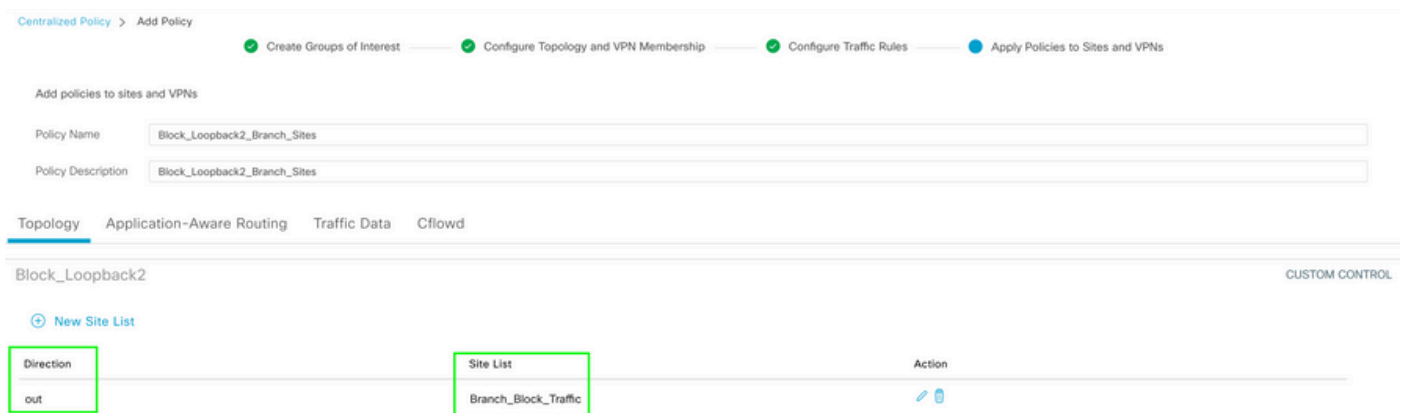
建立路由策略並將其應用於集中策略：匹配之前建立的字首，並將操作設定為Reject。



預設操作必須為Accept，因為不應只接收一個路由。



需要將此策略應用於給定目標站點的出站，因為此方向來自vSmart視角。



預覽：這是建立集中策略後配置的外觀。

Centralized Policy > Edit Policy

Config Preview

Config Diff

---

```
viptela-policy:policy
control-policy Block_Loopback2
  sequence 1
  match route
    prefix-list Loopback2_Block
  !
  action reject
  !
  !
default-action accept
!
lists
prefix-list Loopback2_Block
  ip-prefix 192.168.50.2/32
!
site-list Branch_Block_Traffic
  site-id 10
  site-id 100
!
!
!
apply-policy
  site-list Branch_Block_Traffic
  control-policy Block_Loopback2 out
!
```

Generating output, this might take time, please wait ...

Code:

C -> chosen  
I -> installed  
Red -> redistributed  
Rej -> rejected  
L -> looped  
R -> resolved  
S -> stale  
Ext -> extranet  
Inv -> invalid  
Stg -> staged  
IA -> On-demand inactive  
U -> TLOC unresolved

VPN	PREFIX	FROM PEER	PATH		ATTRIBUTE			TLOC IP	COLOR
			ID	LABEL	STATUS	TYPE			
1	0.0.0.0/0	10.10.10.2	123	1004	C,I,R	installed	10.10.10.60	biz-i	
1	172.20.0.0/24	10.10.10.2	124	1003	C,I,R	installed	10.10.10.65	biz-i	
1	192.168.40.2/32	0.0.0.0	68	1004	C,Red,R	installed	10.10.10.40	biz-i	
1	192.168.50.2/32	0.0.0.0	68	1004	C,Red,R	installed	10.10.10.40	biz-i	

cEdge\_Site40#

連線的路由位於RIB中。

cEdge\_Site40#show ip route vrf 1

Routing Table: 1

Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP  
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area  
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2  
E1 - OSPF external type 1, E2 - OSPF external type 2, m - OMP  
n - NAT, Ni - NAT inside, No - NAT outside, Nd - NAT DIA  
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2  
ia - IS-IS inter area, \* - candidate default, U - per-user static route  
H - NHRP, G - NHRP registered, g - NHRP registration summary  
o - ODR, P - periodic downloaded static route, l - LISP  
a - application route  
+ - replicated route, % - next hop override, p - overrides from PfR  
& - replicated local route overrides by connected

Gateway of last resort is 10.10.10.60 to network 0.0.0.0

m\* 0.0.0.0/0 [251/0] via 10.10.10.60, 20:25:46, Sdwan-system-intf  
172.20.0.0/24 is subnetted, 1 subnets  
m 172.20.0.0 [251/0] via 10.10.10.65, 20:25:46, Sdwan-system-intf  
192.168.40.0/32 is subnetted, 1 subnets  
C 192.168.40.2 is directly connected, Loopback1  
192.168.50.0/32 is subnetted, 1 subnets  
C 192.168.50.2 is directly connected, Loopback2

cEdge\_Site40#

使用show ip protocols vrf 1命令，可以檢查預設情況下哪些路由重新分發到OMP。

```
cEdge_Site40#show ip protocols vrf 1
*** IP Routing is NSF aware ***

Routing Protocol is "omp"
  Sending updates every 0 seconds
  Invalid after 0 seconds, hold down 0, flushed after 0
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Redistributing: connected, static, nat-route
                  ospf 1 (internal)
  Maximum path: 32
  Routing for Networks:
  Routing Information Sources:
    Gateway         Distance      Last Update
  Distance: (default is 251)
```

cEdge\_Site40#

此處，在成功推送裝置模板後，不會將192.168.40.2重新分發到OMP。因為192.168.50.2僅作為本地化策略的一部分被允許。

```
cEdge_Site40#show sdwan omp routes
Generating output, this might take time, please wait ...
Code:
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH		ATTRIBUTE			
			ID	LABEL	STATUS	TYPE	TLOC IP	COLOR
1	0.0.0.0/0	10.10.10.2	123	1004	C,I,R	installed	10.10.10.60	biz-i
1	172.20.0.0/24	10.10.10.2	124	1003	C,I,R	installed	10.10.10.65	biz-i
1	192.168.50.2/32	0.0.0.0	68	1004	C,Red,R	installed	10.10.10.40	biz-i

cEdge\_Site40#

下一個輸出捕獲vrf 1路由表，192.168.40.2位於RIB中。

```
cEdge_Site40#show ip route vrf 1
Routing Table: 1
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2, m - OMP
        n - NAT, Ni - NAT inside, No - NAT outside, Nd - NAT DIA
        i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
        ia - IS-IS inter area, * - candidate default, U - per-user static route
        H - NHRP, G - NHRP registered, g - NHRP registration summary
        o - ODR, P - periodic downloaded static route, l - LISP
        a - application route
        + - replicated route, % - next hop override, p - overrides from PfR
        & - replicated local route overrides by connected
```

Gateway of last resort is 10.10.10.60 to network 0.0.0.0

```
m* 0.0.0.0/0 [251/0] via 10.10.10.60, 00:09:43, Sdwan-system-intf
    172.20.0.0/24 is subnetted, 1 subnets
m   172.20.0.0 [251/0] via 10.10.10.65, 00:09:43, Sdwan-system-intf
    192.168.40.0/32 is subnetted, 1 subnets
C   192.168.40.2 is directly connected, Loopback1
    192.168.50.0/32 is subnetted, 1 subnets
C   192.168.50.2 is directly connected, Loopback2
```

cEdge\_Site40#

## CLI附加模板

根據當前配置，OSPF外部路由和內部路由都重新分發到OMP中。

```
cEdge_ospf#show sdwan omp routes 192.168.60.0/24
```

Code:

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH	ID	LABEL	STATUS	ATTRIBUTE	TYPE	TLOC IP	COLOR
-----	--------	-----------	------	----	-------	--------	-----------	------	---------	-------

```
-----
1      192.168.60.0/24    0.0.0.0          75      1003    C,Red,R   installed  10.10.10.100  gold
```

```
cEdge_ospf#show sdwan omp routes 172.16.16.0/24
```

```
Code:
```

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

			PATH	ATTRIBUTE				
VPN	PREFIX	FROM PEER	ID	LABEL	STATUS	TYPE	TLOC IP	COLOR
1	172.16.16.0/24	0.0.0.0	75	1003	C,Red,R	installed	10.10.10.100	gold

```
cEdge_ospf#
```

下一輸出捕獲vrf 1 ospf路由表，OSPF外部和內部路由都位於RIB中。

```
cEdge_ospf#show ip route vrf 1 ospf
```

```
Routing Table: 1
```

```
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, m - OMP
n - NAT, Ni - NAT inside, No - NAT outside, Nd - NAT DIA
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
H - NHRP, G - NHRP registered, g - NHRP registration summary
o - ODR, P - periodic downloaded static route, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR
& - replicated local route overrides by connected
```

```
Gateway of last resort is 10.10.10.60 to network 0.0.0.0
```

```
172.16.0.0/24 is subnetted, 1 subnets
```

```
O E2 172.16.16.0 [110/20] via 192.168.70.3, 00:14:04, GigabitEthernet0/0/1
O IA 192.168.60.0/24 [110/2] via 192.168.70.3, 01:07:51, GigabitEthernet0/0/1
```

```
cEdge_ospf#
```

1.使用路由對映進行過濾以僅重分佈內部路由後，OSPF外部路由將不再重分佈到OMP中。



```
cEdge_ospf#show sdwan omp routes 172.16.16.0/24
% No such element exists.
```

```
cEdge_ospf#show sdwan omp routes 192.168.60.0/24
Code:
```

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH	ID	LABEL	STATUS	ATTRIBUTE	TLOC IP	COLOR
1	192.168.60.0/24	0.0.0.0		75	1003	C,Red,R	installed	10.10.10.100	gold

```
cEdge_ospf
```

下一輸出捕獲vrf 1 ospf路由表，OSPF外部和內部路由都位於RIB中。

```
cEdge_ospf#show ip route vrf 1 ospf
```

```
Routing Table: 1
```

```
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, m - OMP
n - NAT, Ni - NAT inside, No - NAT outside, Nd - NAT DIA
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
H - NHRP, G - NHRP registered, g - NHRP registration summary
o - ODR, P - periodic downloaded static route, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR
& - replicated local route overrides by connected
```

```
Gateway of last resort is 10.10.10.60 to network 0.0.0.0
```

```
172.16.0.0/24 is subnetted, 1 subnets
O E2 172.16.16.0 [110/20] via 192.168.70.3, 00:09:12, GigabitEthernet0/0/1
O IA 192.168.60.0/24 [110/2] via 192.168.70.3, 01:02:59, GigabitEthernet0/0/1
```

```
cEdge_ospf#
```

2.使用路由對映進行過濾以僅重分發外部路由後，OSPF內部路由將不再重分發到OMP。

```
cEdge_ospf#show sdwan omp routes 192.168.60.0/24
% No such element exists.
```

```
cEdge_ospf#show sdwan omp routes 172.16.16.0/24
Code:
```

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH			ATTRIBUTE			COLOR
			ID	LABEL	STATUS	TYPE	TLOC IP		
1	172.16.16.0/24	0.0.0.0	75	1003	C,Red,R	installed	10.10.10.100	gold	

```
cEdge_ospf#
```

下一輸出捕獲vrf 1 OSPF路由表，OSPF外部和內部路由都位於RIB中。

```
cEdge_ospf#show ip route vrf 1 ospf
```

```
Routing Table: 1
```

```
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, m - OMP
n - NAT, Ni - NAT inside, No - NAT outside, Nd - NAT DIA
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
H - NHRP, G - NHRP registered, g - NHRP registration summary
o - ODR, P - periodic downloaded static route, l - LISP
a - application route
+ - replicated route, % - next hop override, p - overrides from PfR
& - replicated local route overrides by connected
```

```
Gateway of last resort is 10.10.10.60 to network 0.0.0.0
```

```
172.16.0.0/24 is subnetted, 1 subnets
O E2 172.16.16.0 [110/20] via 192.168.70.3, 00:02:16, GigabitEthernet0/0/1
O IA 192.168.60.0/24 [110/2] via 192.168.70.3, 00:56:03, GigabitEthernet0/0/1
```

```
cEdge_ospf#
```

## 集中控制策略

預設情況下，所有連線的路由都是從站點40以OMP方式重新分發的(重點是192.168.50.2/32)。

```
cEdge_Site40#show sdwan running-config | i site
site-id          40
```

```
cEdge_Site40#show sdwan omp routes 192.168.50.2/32
Code:
```

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH	ID	LABEL	STATUS	ATTRIBUTE	TLOC IP	COLOR
1	192.168.50.2/32	0.0.0.0		68	1004	C,Red,R	installed	10.10.10.40	biz-i

```
cEdge_Site40#
```

站點10和站點100從OMP接收路由。

```
cEdge_Site10#show sdwan running-config | i site
site-id          10
```

```
cEdge_Site10#show sdwan omp routes 192.168.50.2/32
Code:
```

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH	ID	LABEL	STATUS	ATTRIBUTE	TLOC IP	COLOR
1	192.168.50.2/32	10.10.10.2		32	1004	C,I,R	installed	10.10.10.40	biz-i

```
cEdge_Site10#
```

```
cEdge_ospf#show sdwan running-config | i site
site-id          100
```

```
cEdge_ospf#show sdwan omp routes 192.168.50.2/32
```

```
Code:
```

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH		ATTRIBUTE			
			ID	LABEL	STATUS	TYPE	TLOC IP	COLOR
1	192.168.50.2/32	10.10.10.2	73	1004	C,I,R	installed	10.10.10.40	biz-i

```
cEdge_ospf#
```

1.在將集中策略推送到vSmart後，站點40仍會將192.168.50.2重新分發到OMP中，並且vSmart正在接收它。

```
cEdge_Site40#show sdwan running-config | i site
site-id          40
```

```
cEdge_Site40#show sdwan omp routes 192.168.50.2/32
```

```
Generating output, this might take time, please wait ...
```

```
Code:
```

```
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved
```

VPN	PREFIX	FROM PEER	PATH		ATTRIBUTE			
			ID	LABEL	STATUS	TYPE	TLOC IP	COLOR
1	192.168.50.2/32	0.0.0.0	68	1004	C,Red,R	installed	10.10.10.40	biz-i

```
cEdge_Site40#
```

```

rcdn_lab_vSmart# show omp routes 192.168.50.2/32
Code:
C -> chosen
I -> installed
Red -> redistributed
Rej -> rejected
L -> looped
R -> resolved
S -> stale
Ext -> extranet
Inv -> invalid
Stg -> staged
IA -> On-demand inactive
U -> TLOC unresolved

```

VPN	PREFIX	FROM PEER	PATH		STATUS	ATTRIBUTE		COLOR
			ID	LABEL		TYPE	TLOC IP	
1	192.168.50.2/32	10.10.10.40	68	1004	C,R	installed	10.10.10.40	biz-i

```
rcdn_lab_vSmart#
```

但是，站點10和100沒有接收該特定路由。

```

cEdge_Site10#show sdwan running-config | i site
site-id          10

cEdge_Site10#show sdwan omp routes 192.168.50.2/32
% No such element exists.

cEdge_Site10#

cEdge_ospf#show sdwan running-config | i site
site-id          100

cEdge_ospf#show sdwan omp routes 192.168.50.2/32
% No such element exists.

cEdge_ospf#

```

2.在將集中策略推送到vSmart後，站點40仍將192.168.50.2重新分發到OMP，但vSmart拒絕它，使其無效。

```

rcdn_lab_vSmart# show omp routes 192.168.50.2/32
Code:
C -> chosen
I -> installed

```

Red -> redistributed  
 Rej -> rejected  
 L -> looped  
 R -> resolved  
 S -> stale  
 Ext -> extranet  
 Inv -> invalid  
 Stg -> staged  
 IA -> On-demand inactive  
 U -> TL0C unresolved

VPN	PREFIX	FROM PEER	PATH		ATTRIBUTE			COLOR
			ID	LABEL	STATUS	TYPE	TLOC IP	
1	192.168.50.2/32	10.10.10.40	68	1004	Rej,R,Inv	installed	10.10.10.40	biz-i

rcdn\_lab\_vSmart#

站點10和100沒有接收該特定路由。

```
cEdge_Site10#show sdwan running-config | i site
site-id          10
```

```
cEdge_Site10#show sdwan omp routes 192.168.50.2/32
% No such element exists.
```

cEdge\_Site10#

```
cEdge_ospf#show sdwan running-config | i site
site-id          100
```

```
cEdge_ospf#show sdwan omp routes 192.168.50.2/32
% No such element exists.
```

cEdge\_ospf#

## 相關資訊

- [思科技術支援與下載](#)

## 關於此翻譯

思科已使用電腦和人工技術翻譯本文件，讓全世界的使用者能夠以自己的語言理解支援內容。請注意，即使是最佳機器翻譯，也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準確度概不負責，並建議一律查看原始英文文件（提供連結）。