

為vEdge或cEdge配置首選預設路由或字首路由

目錄

[簡介](#)

[需求](#)

[採用元件](#)

[背景資訊](#)

[組態](#)

[解決方案1:使用集中控制策略優先使用來自特定遠端路由器Router04上Router01的預設路由](#)

[匹配條件](#)

[動作](#)

[模板策略配置](#)

[CLI策略配置](#)

[驗證](#)

[解決方案2:使用集中控制策略優先使用從路由器01到全網狀所有路由器的預設路由](#)

[驗證](#)

[兩種方案的考慮因素：入站或出站方向](#)

[解決方案3:使用集中式控制策略優先使用來自路由器01的Default-Route以及來自其他路由器的備份](#)

[Default-Route](#)

[驗證](#)

[解決方案4:集中控制策略使用以優先使用某些字首路由](#)

[驗證](#)

[相關資訊](#)

簡介

本文說明如何配置軟體定義廣域網(SD-WAN)控制策略，以優先使用預設路由或字首。

需求

思科建議您瞭解以下主題：

- Cisco SD-WAN重疊管理通訊協定(OMP)。
- SD-WAN集中控制策略。

採用元件

本文中的資訊係根據以下軟體和硬體版本：

- Cisco cEdge版本17.3.3
- Cisco vEdge版本20.3.2
- 思科vSmart控制器版本20.4.2

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。

背景資訊

為了進行本演示，本實驗在不同的端ID上設定5個cEdge/vEdge，其中Router01、Router02和Router03在VPN 1中配置了預設路由。

- vSmart system ip 10.1.1.7。
- cEdge Router01 system ip 10.70.70.1，站點ID 70。
- cEdge Router02 system ip 10.80.80.1，站點ID 80。
- cEdge Router03 system ip 10.80.80.2，站點ID 80。
- cEdge Router04系統ip 10.70.70.2，站點ID 40。
- vEdge Router05系統ip 10.20.20.1，站點ID 20。

Router04(10.70.70.2)和Router05(10.20.20.1)接收和安裝來自Router01(10.70.70.1)、Router02(10.80.80.1)和Router03(10.80.80.1)的預設路由。沒有應用於裝置的活動集中策略或本地化策略，預設情況下為全網狀拓撲。

Router04和Router05從三個不同的裝置接收預設路由。

```
Router04# 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	STATUS	ATTRIBUTE	TLOC IP
COLOR	ENCAP	PREFERENCE	ID	LABEL	TYPE	
1	0.0.0.0/0	10.1.1.7	29	1002	C,I,R	installed 10.70.70.1
biz-internet	ipsec	-	30	1005	C,I,R	installed 10.80.80.1
mpls	ipsec	-	31	1003	C,I,R	installed 10.80.80.2
mpls	ipsec	-				

提示：其 `show sdwan omp routes` 如果路由器收到許多路由，則cEdge的輸出可能很大。您可以使用 `show sdwan omp route vpn` 要篩選輸出，或者 `show sdwan omp route vpn` 過濾cEdge中字首的所有扇區輸出。

```
Router05# show omp routes vpn 1
```

```

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 COLOR	PREFIX	ENCAP	FROM PEER	PATH		STATUS	ATTRIBUTE	TLOC IP
			PREFERENCE	ID	LABEL		TYPE	
1	0.0.0.0/0		10.1.1.7	5	1002	C,I,R	installed	10.70.70.1
biz-internet		ipsec	-					
			10.1.1.7	6	1005	C,I,R	installed	10.80.80.1
mpls		ipsec	-					
			10.1.1.7	7	1003	C,I,R	installed	10.80.80.2
mpls		ipsec	-					

提示：其 `show omp route` 如果路由器收到太多路由，vEdge的輸出可能會很大。您可以使用 `show omp routes vpn` 在vEdges中過濾輸出。您可以使用 `| tab` 命令旁邊的vEdges中格式表的輸出。

Router04(10.70.70.2)和Router05(10.20.20.1)安裝來自Router01(10.70.70.1)、Router02(10.80.80.1)和Router03(10.80.80.1)的預設路由。

```
Router04# 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 10.80.80.2 to network 0.0.0.0

m* 0.0.0.0/0 [251/0] via 10.80.80.2, 00:05:02, Sdwan-system-intf
    [251/0] via 10.80.80.1, 00:05:02, Sdwan-system-intf
    [251/0] via 10.70.70.1, 00:05:02, Sdwan-system-intf

```

提示：其 `show ip route vrf` 如果路由器收到太多路由，則cEdge的輸出可能會很大。您可以使用

`show ip route vrf` 要過濾輸出，或者，也可使用 `show ip route vrf` 過濾字首的所有扇區輸出。

```
Router05# show ip routes vpn 1 0.0.0.0/0
```

```
Codes Proto-sub-type:
```

```
IA -> ospf-intra-area, IE -> ospf-inter-area,  
E1 -> ospf-external1, E2 -> ospf-external2,  
N1 -> ospf-nssa-external1, N2 -> ospf-nssa-external2,  
e -> bgp-external, i -> bgp-internal
```

```
Codes Status flags:
```

```
F -> fib, S -> selected, I -> inactive,  
B -> blackhole, R -> recursive, L -> import
```

VPN	PREFIX	PROTOCOL	PROTOCOL	NEXTHOP	NEXTHOP	NEXTHOP	NEXTHOP	TLOC
IP	COLOR	ENCAP	STATUS	SUB TYPE	IF NAME	ADDR	VPN	
1	0.0.0.0/0	omp	-	-	-	-	-	
10.70.70.1	biz-internet	ipsec	F,S	-	-	-	-	
1	0.0.0.0/0	omp	-	-	-	-	-	
10.80.80.1	mpls	ipsec	F,S	-	-	-	-	
1	0.0.0.0/0	omp	-	-	-	-	-	
10.80.80.2	mpls	ipsec	F,S	-	-	-	-	

提示：其 `show ip routes` 如果路由器收到太多路由，vEdge的輸出可能會很大。您可以使用 `show ip routes vpn` 在vEdges中過濾輸出。

組態

解決方案1:使用集中控制策略優先使用來自特定遠端路由器Router04上Router01的預設路由

使用拓撲自定義控制元件並在OMP中應用預設路由的首選項。

使用路由規則而不是傳輸位置(TLOC)規則。

匹配條件

- 將策略清單中預定義的Router01 System-ip 10.70.70.1的建立者選項與字首清單進行匹配，字首為0.0.0.0/0。
- ip prefix-list 0.0.0.0/0僅匹配default-route並非所有路由，因此您可以將此字首用於字首清單。
- ip prefix-list 0.0.0.0/0 le 32匹配所有路由。

動作

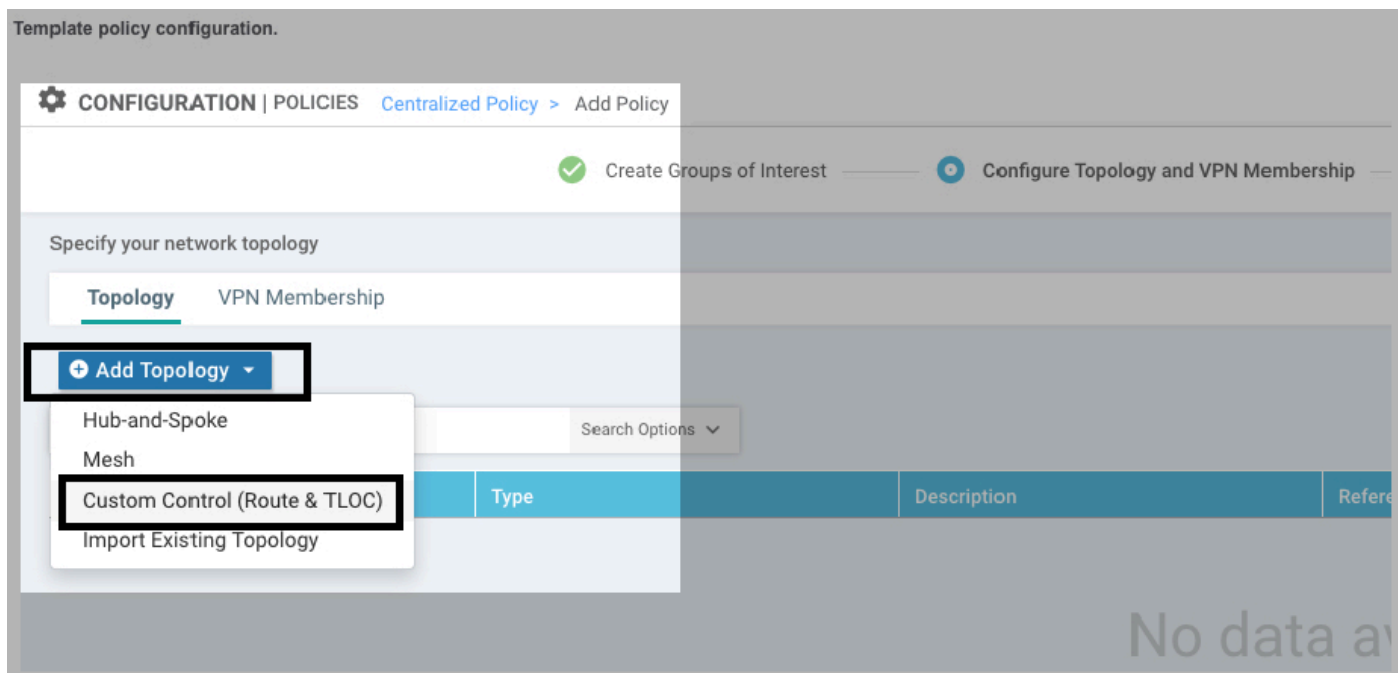
將此策略應用於出站方向到Router04站點ID 40。

模板策略配置

您可以使用vManage GUI配置 **Centralized Policy** 使用 **Control Policy**.

在中配置控制策略 **Topology**，您可以選擇 **Hub-and-Spoke** 中，**Mesh**, 或 **Custom Control** 策略。

Custom Control(Route & TLOC) 用於此特定場景，如圖所示。

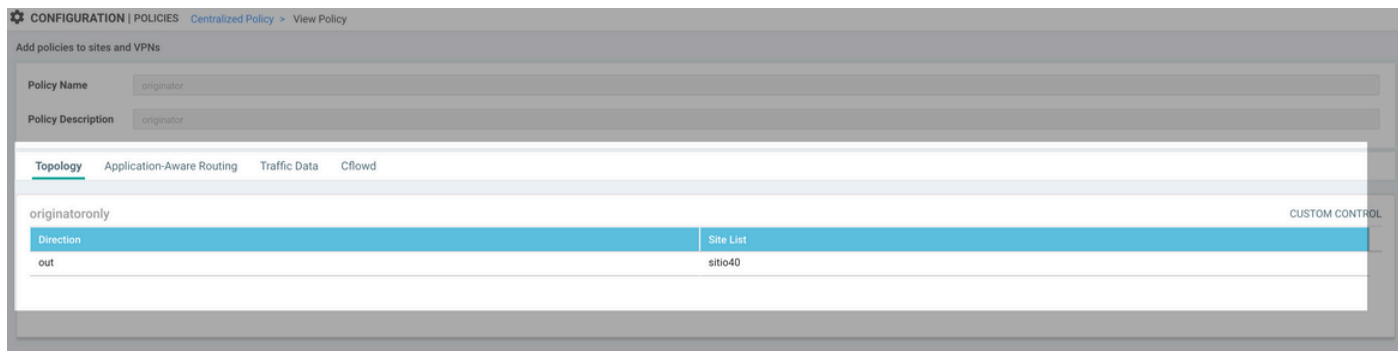


Sequence type 和 **Sequence Rule** 新增了。
Originator system-ip和字首清單在匹配條件中設定。

Accept 和 **Preference** 為相同順序的操作設定，如圖所示。



Control Policy 應用於站點40的出站方向，如圖所示。



注意：啟用 **Centralized Policy**,vSmart需要附加裝置模板，或 **Centralized Policy** 傳送 Failed to activate policy 錯誤。vSmart必須處於vManage模式。

CLI策略配置

您可以手動配置vSmart，而不是vManage GUI。

```
control-policy originatoronly
  sequence 1
  match route
    originator 10.70.70.1
    prefix-list Default_Route
  !
  action accept
  set
    preference 200
  !
  !
  !
  default-action accept
  !
  lists
  prefix-list Default_Route
    ip-prefix 0.0.0.0/0
  !
  site-list sitio40
    site-id 40
  !
  !
  !
  apply-policy
  site-list sitio40
  control-policy originatoronly out <<<<<<<
  !
  !
```

vSmart僅將來自發起方Router01(10.70.70.1)且優先順序為200的預設路由傳送到Router04。

注意：預設操作設定為拒絕。
預設操作可設定為接受或拒絕。

注意：如果序列不匹配，路由將採取預設操作。
這表示如果將預設操作設定為reject並且路由與任何序列都不匹配，則它會從vSmart中拒絕，並且不會向重疊通告。
如果預設操作設定為accept且路由與任何序列都不匹配，則從vsmart接受該路由並向重疊通告。

驗證

您可以使用 `show running-config policy` 命令，以驗證 **Control-Policy** 已正確應用。

```
vsmart# show running-config policy control-policy
policy
control-policy originatoronly
sequence 1
match route
originator 10.70.70.1
```


Router04# 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 10.70.70.1 to network 0.0.0.0

m* 0.0.0.0/0 [251/0] via 10.70.70.1, 00:13:25, Sdwan-system-intf

Router05(10.20.20.1)位於站點20，仍然接收和安裝來自Router01(10.70.70.1)、Router02(10.80.80.1)和Router03(10.80.80.1)的所有預設路由。

Router05# show omp routes vpn 1

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

Table with 9 columns: VPN, PREFIX, ENCAP, FROM PEER, PATH ID, LABEL, STATUS, ATTRIBUTE TYPE, TLOC IP. It lists VPN routes for biz-internet, mpls, and mpls with their respective attributes and TLOC IP addresses.

Router05# show ip routes vpn 1

Codes Proto-sub-type:
IA -> ospf-intra-area, IE -> ospf-inter-area,
E1 -> ospf-external1, E2 -> ospf-external2,
N1 -> ospf-nssa-external1, N2 -> ospf-nssa-external2,
e -> bgp-external, i -> bgp-internal
Codes Status flags:
F -> fib, S -> selected, I -> inactive,
B -> blackhole, R -> recursive, L -> import

Table with 8 columns: VPN, PREFIX, PROTOCOL, SUB TYPE, NEXTHOP IF NAME, NEXTHOP ADDR, NEXTHOP VPN, TLOC. It provides a summary of VPN routes and their next hop information.

IP	COLOR	ENCAP	STATUS
1	0.0.0.0/0	omp	- - - -
10.70.70.1	biz-internet	ipsec	F,S
1	0.0.0.0/0	omp	- - - -
10.80.80.1	mpls	ipsec	F,S
1	0.0.0.0/0	omp	- - - -
10.80.80.2	mpls	ipsec	F,S

解決方案2:使用集中控制策略優先使用從路由器01到全網狀所有路由器的預設路由

使用與 **Solution 1** 已使用，並將其應用於來自Router01站點ID 70的入站方向。

```
control-policy originatoronly
sequence 1
match route
originator 10.70.70.1
prefix-list Default_Route
!
action accept
set
preference 200
!
!
!
default-action accept
!
lists
prefix-list Default_Route
ip-prefix 0.0.0.0/0
!
site-list SiteList_70
site-id 70
!
!
!
apply-policy
site-list SiteList_70
control-policy originatoronly in <<<<<<<<<
!
!
```

驗證

如果您使用傳入方向，則Router04(10.70.70.2)和Router05(10.20.20.1)只會從Router01(10.70.70.1)接收和安裝預設路由。

```
Router04# 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 COLOR	PREFIX	ENCAP	FROM PEER PREFERENCE	PATH ID	LABEL	STATUS	ATTRIBUTE TYPE	TLOC IP
1	0.0.0.0/0	ipsec	10.1.1.7 200	29	1002	C,I,R	installed	10.70.70.1

```
Router05# show omp routes vpn 1
```

```

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 COLOR	PREFIX	ENCAP	FROM PEER PREFERENCE	PATH ID	LABEL	STATUS	ATTRIBUTE TYPE	TLOC IP
1	0.0.0.0/0	ipsec	10.1.1.7 200	5	1002	C,I,R	installed	10.70.70.1

兩種方案的考慮因素：入站或出站方向

如果丟失Router01(10.70.70.1)，路由器會安裝所有沒有優先順序接收的預設路由。在此案例中，來自Router02(10.80.80.1)和Router03(10.80.80.2):

```
Router04# 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 COLOR	PREFIX	ENCAP	FROM PEER PREFERENCE	PATH ID	LABEL	STATUS	ATTRIBUTE TYPE	TLOC IP
1	0.0.0.0/0	ipsec	10.1.1.7 -	36	1005	C,I,R	installed	10.80.80.1

```

mpls          ipsec -          10.1.1.7          37          1003          C,I,R          installed 10.80.80.2

```

```
Router05# show omp routes vpn 1
```

```
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 COLOR	PREFIX	ENCAP	FROM PEER PREFERENCE	PATH ID	LABEL	STATUS	ATTRIBUTE TYPE	TLOC IP
1	0.0.0.0/0		10.1.1.7	14	1005	C,I,R	installed	10.80.80.1
mpls		ipsec -						
			10.1.1.7	15	1003	C,I,R	installed	10.80.80.2
mpls		ipsec -						

解決方案3:使用集中式控制策略優先使用來自路由器01的Default-Route以及來自其他路由器的備份Default-Route

在此解決方案中，路由器僅從Router01(10.70.70.1)接收預設路由器，但如果您丟失預設路由器，則希望遠端路由器安裝的備份預設路由來自Router02(10.80.80.1)，而不是同時來自Router02(10.80.80.1)和Router03(10.80.80.1)，如所示 Solution 1 和 Solution 2.

在同一控制策略上新增一個序列，並應用您從Router01 preference 200的default-route設定的較低首選項，但此優先順序高於預設首選項(100)。

對於從Router02(10.80.80.1)通告的預設路由，您可以將首選項設定為150。

```

control-policy originator
  sequence 1
    match route
      originator 10.70.70.1
      prefix-list Default_Route
    !
    action accept
      set
        preference 200
      !
    !
  !
  sequence 11 <<<<< new sequence
    match route
      originator 10.80.80.1 <<<<< Router02 system ip as originator
      prefix-list Default_Route

```

```

!
action accept
  set
    preference 150   <<< lower preference of Router01
!
!
!
default-action accept
!
lists
  prefix-list Default_Route
    ip-prefix 0.0.0.0/0
!
  site-list sitio40
    site-id 40
!
!
!
apply-policy
  site-list sitio40
  control-policy originator out
!
!

```

驗證

路由器會收到首選項為200、150和預設首選項的預設路由。

```
Router04# show sdwa 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	ENCAP	FROM PEER	PATH	ID	LABEL	STATUS	ATTRIBUTE	TLOC IP
COLOR			PREFERENCE					TYPE	
1	0.0.0.0/0		10.1.1.7		36	1005	R	installed	10.80.80.1
mpls		ipsec	150 <<<<<<<<		37	1003	R	installed	10.80.80.2
mpls		ipsec	-		38	1002	C,I,R	installed	10.70.70.1
biz-internet		ipsec	200 <<<<<<<<						

Router04(10.70.70.2)只會將來自Router01(10.70.70.1)的預設路由新增到路由表中，且優先順序更高：

```
Router04# 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 10.70.70.1 to network 0.0.0.0
```

```
m* 0.0.0.0/0 [251/0] via 10.70.70.1, 00:02:47, Sdwan-system-intf
```

如果遺失了Router01(10.70.70.1),Router04(10.70.70.2)只會安裝具有下一個較高優先順序的路由(來自Router02(10.80.80.1))。

```
Router04# show sdwa 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	STATUS	ATTRIBUTE	TLOC IP
COLOR	ENCAP	PREFERENCE	ID LABEL		TYPE	
1	0.0.0.0/0	10.1.1.7	36 1005	C,I,R	installed	10.80.80.1
mpls	ipsec	150 <<<<<<<	37 1003	R	installed	10.80.80.2
mpls	ipsec	-				

```
Router04# 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 10.80.80.1 to network 0.0.0.0

```
m* 0.0.0.0/0 [251/0] via 10.80.80.1, 00:00:15, Sdwan-system-intf
```

如果丟失了Router02,Router04會安裝來自具有預設優先順序的路由器03(10.80.80.1)的預設路由。

提示：入站和出站方向在下一條路上工作，如果希望向全網狀網路中的所有遠端路由器通告首選項，則為入站方向；如果希望僅向特定遠端站點通告首選項，則為出站方向。

解決方案4:集中控制策略使用以優先使用某些字首路由

如果您使用任何其他字首而不是預設路由字首，前面的所有解決方案都完全相同。

從Router01(10.70.70.1)通告到Router04(10.70.70.2)的字首10.40.40.0/24的範例。

```
control-policy originator
  sequence 1
  match route
    originator 10.70.70.1
    prefix-list prefix40
  !
  action accept
  set
    preference 200
  !
  !
  !
default-action accept
!
lists
  prefix-list prefix40
  ip-prefix 10.40.40.0/24 <<<<<<<<<<
  !
  site-list sitio40
  site-id 40
  !
  !
!
apply-policy
  site-list sitio40
  control-policy originator out
  !
!
```

驗證

```
Router04# 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	STATUS	ATTRIBUTE	TLOC IP
COLOR	ENCAP	PREFERENCE	ID	LABEL	TYPE	
1	0.0.0.0/0	10.1.1.7	36	1005	C,I,R	installed 10.80.80.1
mpls	ipsec	150				
		10.1.1.7	37	1003	R	installed 10.80.80.2
mpls	ipsec	-				
1	10.40.40.0/24	10.1.1.7	13	1002	C,I,R	installed 10.70.70.1
biz-internet	ipsec	200				
		<<<<<<<<				
		10.1.1.7	15	1005	R	installed 10.80.80.1
mpls	ipsec	-				
		10.1.1.7	16	1003	R	installed 10.80.80.2
mpls	ipsec	-				

Router04# 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 10.80.80.1 to network 0.0.0.0

```

m* 0.0.0.0/0 [251/0] via 10.80.80.1, 00:11:55, Sdwan-system-intf
    10.0.0.0/24 is subnetted, 1 subnets
m   10.40.40.0 [251/0] via 10.70.70.1, 00:02:17, Sdwan-system-intf <<<<<<
Router04#
  
```

相關資訊

[適用於vEdge路由器、Cisco SD-WAN的策略配置指南](#)
[技術支援與文件 - Cisco Systems](#)

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）。