



## Show コマンドのサンプル出力

この付録では、メディア **show** コマンドの IP ファブリックの出力例を示します。

- [show コマンドの出力例 \(スパイン リーフ展開\) \(1 ページ\)](#)
- [サンプル show コマンド出力 \(単一のモジュラ スイッチ\) \(16 ページ\)](#)

### show コマンドの出力例 (スパイン リーフ展開)

このセクションでは、スパイン リーフ展開のスイッチの出力例を示します。



(注) **vrf vrf-name** オプションを使用して VRF を指定しない場合、これらのコマンドはデフォルトの VRF の出力を表示します。

次に、**show nbm defaults vrf all** コマンドの出力例を示します。

```
switch# show nbm defaults vrf all
-----
Defaults for VRF default (1)
-----

Default Flow Policy:

Bandwidth           : 1000 Kbps
DSCP                 : 0
Queue ID            : 7
Policer              : Enabled
Operation mode (cache) : EOR_PIM_A
Operation mode       : EOR_PIM_A
Unicast Fabric Bandwidth : 1
Number of ASM groups : 1
  Group 1 : 224.0.0.0/8

Default Host Policies:

Sender               : Permit
Local Receiver       : Permit
External Receiver (PIM) : Permit
-----
```

```

Defaults for VRF red (3)
-----

Default Flow Policy:

Bandwidth           : 1500 Kbps
DSCP                 : 0
Queue ID            : 7
Policer              : Enabled
Operation mode (cache) : EOR_PIM_A
Operation mode       : EOR_PIM_A
Unicast Fabric Bandwidth : 1
Number of ASM groups : 1
  Group 1 : 224.0.0.0/8

Default Host Policies:

Sender               : Permit
Local Receiver       : Permit
External Receiver (PIM) : Permit

```

次に、**show nbm flow-policy vrf all** コマンドの出力例を示します。

```

switch# show nbm flow-policy vrf all
Flow Policy for VRF 'blue'
-----

Total Group Ranges Found = 0
Total Policies Defined = 0

Flow Policy for VRF 'default'
-----

Default BW (Kbps)   : 1890
Default DSCP        : 36
Default QOS         : 7
Default Policer     : Enabled
-----

| Group Range          | BW (Kbps) | DSCP | QOS | Policer | Policy Name
-----|-----|-----|-----|-----|-----
| 235.1.1.1-235.1.2.255 | 30        | 0    | 7   | Enabled | Dynamic_IGMP
| 238.4.1.1-238.4.1.1   | 3000000  | 0    | 7   | Enabled | NBM_Static_2
| 238.4.1.2-238.4.1.10  | 3000000  | 0    | 7   | Enabled | NBM_Static_2
| 238.4.1.11-238.4.1.11 | 3000000  | 0    | 7   | Enabled | NBM_Static_2
| 238.4.1.12-238.4.1.100 | 3000000  | 0    | 7   | Enabled | NBM_Static_2
| 238.4.1.101-238.4.1.255 | 3000000  | 0    | 7   | Enabled | NBM_Static_2
| 239.1.1.2-239.1.1.2   | 100       | 0    | 7   | Disabled | SVI_239
| 239.1.1.3-239.1.1.9   | 100       | 0    | 7   | Disabled | SVI_239
| 239.1.1.10-239.1.1.10 | 100       | 0    | 7   | Disabled | SVI_239
| 239.1.1.11-239.1.1.30 | 100       | 0    | 7   | Disabled | SVI_239
| 239.1.1.1-239.1.1.1   | 200       | 0    | 7   | Enabled | SVI_239.1.1.1
| 227.1.1.51-227.1.1.51 | 1000      | 0    | 7   | Enabled | Dynamic_227.1
| 227.1.1.52-227.1.1.200 | 1000      | 0    | 7   | Enabled | Dynamic_227.1
| 229.1.1.1-229.1.1.100 | 1000      | 0    | 7   | Disabled | NBM_229
| 234.1.1.1-234.1.1.100 | 30        | 0    | 7   | Disabled | NBM_234
| 234.1.1.101-234.1.1.200 | 30        | 0    | 7   | Disabled | NBM_234
| 237.1.1.1-237.1.1.200 | 3000      | 0    | 7   | Disabled | NBM_Static_237.1
| 237.1.2.1-237.1.2.200 | 3000      | 0    | 7   | Disabled | NBM_Static_237.1
...
| 237.1.1.201-237.1.1.255 | 3000      | 0    | 7   | Enabled | NBM_Static_237_2

```

```

| 237.1.2.201-237.1.2.255      | 3000      | 0   | 7   | Enabled | NBM_Static_237_2
| 237.1.3.201-237.1.3.255      | 3000      | 0   | 7   | Enabled | NBM_Static_237_2
| 237.1.4.201-237.1.4.255      | 3000      | 0   | 7   | Enabled | NBM_Static_237_2
| 232.1.1.9-232.1.1.200        | 200       | 0   | 7   | Enabled | NBM_Static_232_2
| 232.1.1.5-232.1.1.7          | 200       | 0   | 7   | Enabled | NBM_Static_232_2
| 232.1.1.8-232.1.1.8          | 200       | 0   | 7   | Enabled | NBM_Static_232_2
| 235.2.2.2-235.2.2.10        | 3000000   | 24  | 7   | Disabled | Test_R_V
-----

```

```

Total Group Ranges Found = 56
Total Policies Defined = 16

```

次に、**show nbm flows detail vrf all** コマンドの出力例を示します。

```
switch# show nbm flows detail vrf all
```

```
-----
NBM Flows for VRF 'default'
-----
```

```
Active Source-Group-Based Flow(s) :
```

Mcast-Group	Src-IP	Uptime	Src-Intf	Nbr-Device	LID Profile	
Status	Num Rx	Bw Mbps	CFG Bw Slot Unit	Slice DSCP QOS Policed FHR	Policy-name	
Rcvr-Num	Rcvr-slot	Unit	Num-Rcvrs	Rcvr-ifidx	IOD Rcvr-Intf	Nbr-Device

```
-----
NBM Flows for VRF 'red'
-----
```

```
Active Source-Group-Based Flow(s) :
```

Mcast-Group	Src-IP	Uptime	Src-Intf	Nbr-Device	LID Profile	
Status	Num Rx	Bw Mbps	CFG Bw Slot Unit	Slice DSCP QOS Policed FHR	Policy-name	
Rcvr-Num	Rcvr-slot	Unit	Num-Rcvrs	Rcvr-ifidx	IOD Rcvr-Intf	Nbr-Device

225.1.1.11	10.1.4.2	00:00:11	Vlan100	not-applicable	* *
ACTIVE	0	1.500	1.500 0 0	0 0 7 Yes	Yes Default

225.1.7.228	10.1.4.2	00:00:12	Vlan100	not-applicable	* *
ACTIVE	0	1.500	1.500 0 0	0 0 7 Yes	Yes Default

225.1.6.193	10.1.4.2	00:00:12	Vlan100	not-applicable	* *
ACTIVE	0	1.500	1.500 0 0	0 0 7 Yes	Yes Default

```
...
```

225.1.19.52	10.2.3.2	00:02:13	Eth1/31	gretta-r10-eor2	349 962
ACTIVE	1	1.500	1.500 1 5	0 0 7 Yes	Yes Default

225.1.23.31	10.2.3.2	00:35:04	Eth1/31	gretta-r10-eor2	1119 962
ACTIVE	1	1.500	1.500 1 5	0 0 7 Yes	Yes Default

1	0	0	1	0x09010064	2 Vlan100	not-applicable
1	0	0	1	0x09010064	2 Vlan100	not-applicable

```

...
225.1.0.23      10.1.4.2      02:20:38      Vlan100      not-applicable      *      *
ACTIVE          1      1.500      1.500      0      0      0      0      7 Yes      Yes Default
                1          1      5          1      0x1a003c00      48 Eth1/31      gretta-r10-eor2

225.1.0.10      10.1.4.2      02:20:38      Vlan100      not-applicable      *      *
ACTIVE          1      1.500      1.500      0      0      0      0      7 Yes      Yes Default
                1          1      5          1      0x1a003e00      49 Eth1/32      gretta-r10-eor2

...
225.1.0.3       10.1.4.2      02:20:38      Vlan100      not-applicable      *      *
ACTIVE          1      1.500      1.500      0      0      0      0      7 Yes      Yes Default
                1          1      5          1      0x1a003c00      48 Eth1/31      gretta-r10-eor2

```

次に、**show nbm flows static vrf all** コマンドの出力例を示します。

```

switch# show nbm flows static vrf all
-----+
| NBM Static Flow Table for VRF "default"
-----+
| NBM Static Flow Table for VRF "moon"
-----+
|   Stitched Flows
-----+
| Source          | Group          | Egress Intf    | Host IP        |
-----+-----+-----+-----+
| 22.7.1.2        | 233.10.1.1    | Null0          |                |
|                 |                | eth6/20/3     |                |
|                 |                | eth6/20/3     | 21.7.1.2      |
| 22.7.1.2        | 233.10.1.2    | Null0          |                |
|                 |                | eth6/20/3     |                |
|                 |                | eth6/20/3     | 21.7.1.2      |
| 22.7.1.2        | 233.10.1.3    | Null0          |                |
|                 |                | eth6/20/3     |                |
|                 |                | eth6/20/3     | 21.7.1.2      |
| 22.7.1.2        | 233.10.1.4    | Null0          |                |
|                 |                | eth6/20/3     |                |
|                 |                | eth6/20/3     | 21.7.1.2      |
| ...
| 0.0.0.0         | 233.80.1.149  | Null0          |                |
|                 |                | eth6/20/3     |                |
|                 |                | eth6/20/3     | 21.7.1.2      |
| 0.0.0.0         | 233.80.1.150  | Null0          |                |
|                 |                | eth6/20/3     |                |
|                 |                | eth6/20/3     | 21.7.1.2      |
-----+-----+-----+-----+
|   Unstitched Flows
-----+-----+-----+-----+
| Source          | Group          | Egress Intf    | Host IP        |
-----+-----+-----+-----+
| 0.0.0.0         | 233.80.1.1    | vlan851        |                |

```

```
+-----+
```

次に、**show nbm flows statistics vrf all** コマンドの出力例を示します。

```
switch# show nbm flows statistics vrf all
-----
NBM Flow Statistics for VRF 'default'
-----

Source-Group-Based Flow Statistics :

Mcast-Group      Src-IP          Uptime          Src-Intf  Packets          Bytes
Allow-Bytes      Drop-Bytes

-----
NBM Flow Statistics for VRF 'red'
-----

Source-Group-Based Flow Statistics :

Mcast-Group      Src-IP          Uptime          Src-Intf  Packets          Bytes
Allow-Bytes      Drop-Bytes
225.1.2.47       10.2.3.2        02:29:53       Eth1/32   1124095         1124095000
1124095000       0
225.1.2.45       10.2.3.2        02:29:53       Eth1/31   1124096         1124096000
1124096000       0
225.1.2.44       10.2.3.2        02:29:53       Eth1/32   1124096         1124096000
1124096000       0
225.1.2.43       10.2.3.2        02:29:53       Eth1/31   1124096         1124096000
1124096000       0
...
225.1.2.2        10.2.2.2        02:29:53       Eth1/32   1124115         1124115000
1124115000       0
225.1.2.1        10.2.2.2        02:29:53       Eth1/31   1124114         1124114000
1124114000       0
225.1.0.2        10.1.4.2        02:30:13       Vlan100   1125105         1125105000
1125105000       0
225.1.0.1        10.1.4.2        02:30:13       Vlan100   1125104         1125104000
1125104000       0
225.1.0.24       10.1.4.2        02:30:13       Vlan100   1125104         1125104000
1125104000       0
225.1.0.23       10.1.4.2        02:30:13       Vlan100   1125103         1125103000
1125103000       0
225.1.0.22       10.1.4.2        02:30:13       Vlan100   1125104         1125104000
1125104000       0
225.1.0.21       10.1.4.2        02:30:13       Vlan100   1125103         1125103000
1125103000       0
225.1.0.20       10.1.4.2        02:30:13       Vlan100   1125104         1125104000
1125104000       0
225.1.0.19       10.1.4.2        02:30:13       Vlan100   1125103         1125103000
1125103000       0
...
225.1.0.5        10.1.4.2        02:30:13       Vlan100   1125102         1125102000
1125102000       0
225.1.0.4        10.1.4.2        02:30:13       Vlan100   1125103         1125103000
1125103000       0
225.1.0.3        10.1.4.2        02:30:13       Vlan100   1125102         1125102000
1125102000       0
switch1#
```

```
switch# show nbm flows statistics group 225.1.2.47 source 10.2.3.2 vrf red
```

```
-----
NBM Flow Statistics for VRF 'red'
```

```

-----
Source-Group-Based Flow Statistics for Source 10.2.3.2 Group 225.1.2.47 :
Mcast-Group      Src-IP           Uptime          Src-Intf  Packets        Bytes
  Allow-Bytes      Drop-Bytes
225.1.2.47        10.2.3.2         02:29:53       Eth1/32   1124095        1124095000
1124095000        0

```

次に、**show nbm flows summary vrf all** コマンドの出力例を示します。

```

switch# show nbm flows summary vrf all
-----
NBM Flow Summary for VRF 'default'
-----

IIF = Incoming Interface
OIF = Outgoing Interface
-----
| Category                | (*,G) | (S,G) | Total |
-----|-----|-----|-----|
| All Flows                | 0 | 0 | 0 |
| Flows with No receivers  | 0 | 0 | 0 |
| Flows with OIF           | 0 | 0 | 0 |
| Flows with SVI IIF       | 0 | 0 | 0 |
| Flows with PHY IIF       | 0 | 0 | 0 |
| Flows (SVI) with Policing | 0 | 0 | 0 |
| Flows (PHY) with Policing | 0 | 0 | 0 |
-----

```

```

-----
NBM Flow Summary for VRF 'red'
-----

IIF = Incoming Interface
OIF = Outgoing Interface
-----
| Category                | (*,G) | (S,G) | Total |
-----|-----|-----|-----|
| All Flows                | 0 | 72 | 72 |
| Flows with No receivers  | 0 | 0 | 0 |
| Flows with OIF           | 0 | 72 | 72 |
| Flows with SVI IIF       | 0 | 24 | 24 |
| Flows with PHY IIF       | 0 | 48 | 48 |
| Flows (SVI) with Policing | 0 | 24 | 0 |
| Flows (PHY) with Policing | 0 | 48 | 0 |
-----

```

```

-----
| Incoming Interface Name | (*,G) | (S,G) | Total |
-----|-----|-----|-----|
| Vlan100                 | 0 | 24 | 24 |
| Ethernet1/31            | 0 | 24 | 24 |
| Ethernet1/32            | 0 | 24 | 24 |
-----

```

次に、**show nbm flows vrf all** コマンドの出力例を示します。

```

switch# show nbm flows vrf all
-----
NBM Flows for VRF 'default'
-----

```

Active Source-Group-Based Flow(s) :

Mcast-Group	Src-IP	Uptime	Src-Intf	Nbr-Device	Num Rx	Bw
Mbps Slot Unit	Slice DSCP QOS	Policed	Policy-name			

-----  
 NBM Flows for VRF 'red'  
 -----

Active Source-Group-Based Flow(s) :

Mcast-Group	Src-IP	Uptime	Src-Intf	Nbr-Device	Num Rx	Bw
Mbps Slot Unit	Slice DSCP QOS	Policed	Policy-name			
225.1.2.48	10.2.3.2	02:16:27	Eth1/31	gretta-r10-eor2	1	1.001
1 5	0 1 0 Yes	poll				
225.1.2.47	10.2.3.2	02:16:27	Eth1/32	gretta-r10-eor2	1	1.500
1 5	0 0 7 Yes	Default				
225.1.2.46	10.2.3.2	02:16:27	Eth1/32	gretta-r10-eor2	1	2.002
1 5	0 3 0 Yes	pol2				
225.1.2.45	10.2.3.2	02:16:27	Eth1/31	gretta-r10-eor2	1	1.500
1 5	0 0 7 Yes	Default				
225.1.2.44	10.2.3.2	02:16:27	Eth1/32	gretta-r10-eor2	1	1.500
1 5	0 0 7 Yes	Default				
225.1.2.43	10.2.3.2	02:16:27	Eth1/31	gretta-r10-eor2	1	1.500
1 5	0 0 7 Yes	Default				
225.1.2.42	10.2.3.2	02:16:27	Eth1/32	gretta-r10-eor2	1	1.500
1 5	0 0 7 Yes	Default				
...						
225.1.0.2	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.1	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.24	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.23	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.22	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.21	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.20	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.19	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.18	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.17	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.16	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				
225.1.0.15	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.200
0 0	0 11 0 Yes	bw10				
225.1.0.14	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.200
0 0	0 11 0 Yes	bw10				
225.1.0.13	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.200
0 0	0 11 0 Yes	bw10				
225.1.0.12	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.200
0 0	0 11 0 Yes	bw10				
225.1.0.11	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.200
0 0	0 11 0 Yes	bw10				
225.1.0.10	10.1.4.2	02:16:48	Vlan100	not-applicable	1	1.500
0 0	0 0 7 Yes	Default				

...

次に、**show nbm host-policy all receiver external vrf all** コマンドの出力例を示します。

```
switch# show nbm host-policy all receiver external vrf all
-----
VRF 'blue': External Receiver Policy Table
-----

Default External Receiver Policy: Deny

-----
Seq Num      Source      Group      Group Mask  Permission
-----
1            70.20.10.110  228.1.1.1   32          Allow
2            70.20.10.110  228.1.1.0   24          Deny
3            70.20.10.110  228.1.0.0   16          Deny
4            0.0.0.0       228.1.1.0   24          Allow
5            0.0.0.0       228.1.1.2   32          Deny
6            0.0.0.0       227.1.1.0   24          Allow
11           70.20.10.102  229.1.1.2   32          Deny
-----

Total Policies Found = 7

-----
VRF 'default': External Receiver Policy Table
-----

Default External Receiver Policy: Allow

-----
Seq Num      Source      Group      Group Mask  Permission
-----
4096         70.30.1.103  235.1.1.121 32          Allow
4352         70.30.1.104  235.1.1.178 32          Allow
1            70.20.10.110  228.1.1.1   32          Deny
4097         70.30.1.103  235.1.1.122 32          Allow
4353         70.30.1.104  235.1.1.179 32          Allow
...
4094         70.30.1.103  235.1.1.119 32          Allow
4350         70.30.1.104  235.1.1.176 32          Allow
4095         70.30.1.103  235.1.1.120 32          Allow
4351         70.30.1.104  235.1.1.177 32          Allow
-----

Total Policies Found = 601
```

次に、**show nbm host-policy all receiver local vrf all** コマンドの出力例を示します。

```
switch# show nbm host-policy all receiver local vrf all
-----
VRF 'blue': Local Receiver Policy Table
-----

Default Local Receiver Policy: Allow

Total Policies Found = 0

-----
```



```
VRF 'blue': Local Receiver Policy Table
```

```
-----
```

```
Default Local Receiver Policy: Allow
```

```
Total Policies Found = 0
```

```
-----
```

```
VRF 'default': Local Receiver Policy Table
```

```
-----
```

```
Default Local Receiver Policy: Allow
```

```
-----
```

Seq Num	Source	Group	Group Mask	Reporter	Permission
256	0.0.0.0	228.1.1.246	32	70.30.1.102	Allow
512	0.0.0.0	228.1.2.247	32	70.30.1.102	Allow
768	0.0.0.0	228.1.3.248	32	70.30.1.102	Allow
4864	0.0.0.0	228.1.2.30	32	100.1.1.101	Allow
100096	0.0.0.0	231.1.1.106	32	0.0.0.0	Deny
100352	0.0.0.0	236.1.1.112	32	0.0.0.0	Deny
257	0.0.0.0	228.1.1.247	32	70.30.1.102	Allow
513	0.0.0.0	228.1.2.248	32	70.30.1.102	Allow
769	0.0.0.0	228.1.3.249	32	70.30.1.102	Allow
...					
511	0.0.0.0	228.1.2.246	32	70.30.1.102	Allow
767	0.0.0.0	228.1.3.247	32	70.30.1.102	Allow
4863	0.0.0.0	228.1.2.29	32	100.1.1.101	Allow
100095	0.0.0.0	231.1.1.105	32	0.0.0.0	Deny
100351	0.0.0.0	236.1.1.111	32	0.0.0.0	Deny

```
-----
```

```
Total Policies Found = 1470
```

次に、**show nbm host-policy all sender vrf all** コマンドの出力例を示します。

```
switch# show nbm host-policy all sender vrf all
```

```
-----
```

```
VRF 'blue': Sender Policy Table
```

```
-----
```

```
Default Sender Policy: Allow
```

```
Total Policies Found = 0
```

```
-----
```

```
VRF 'default': Sender Policy Table
```

```
-----
```

```
Default Sender Policy: Allow
```

```
-----
```

Seq Num	Source	Group	Group Mask	Permission
776	70.20.10.201	234.1.1.1	32	Allow
777	70.20.10.201	234.1.1.2	32	Allow
778	70.20.10.201	234.1.1.3	32	Allow
779	70.20.10.201	234.1.1.4	32	Allow
780	70.20.10.201	234.1.1.5	32	Allow
781	70.20.10.201	234.1.1.6	32	Allow

```
-----
```

```

782          70.20.10.201      234.1.1.7      32          Allow
783          70.20.10.201      234.1.1.8      32          Allow
784          70.20.10.201      234.1.1.9      32          Allow
...
3970         70.20.10.215      234.1.1.195    32          Allow
3971         70.20.10.215      234.1.1.196    32          Allow
3972         70.20.10.215      234.1.1.197    32          Allow
3973         70.20.10.215      234.1.1.198    32          Allow
3974         70.20.10.215      234.1.1.199    32          Allow
3975         70.20.10.215      234.1.1.200    32          Allow
-----

```

Total Policies Found = 3000

次に、**show nbm host-policy applied receiver external vrf all** コマンドの出力例を示します。

```
switch# show nbm host-policy applied receiver external vrf all
```

```
-----
VRF 'blue': Applied External Receiver Policy Table
-----
```

Default External Receiver Policy: Deny

Applied policy for interface 'ALL':

```
-----
Seq Num      Source          Group           Group Mask     Permission     Deny Counter
-----
6            0.0.0.0         227.1.1.0      24             Allow          0
4            0.0.0.0         228.1.1.0      24             Allow          0
5            0.0.0.0         228.1.1.2      32             Deny           1116
11           70.20.10.102    229.1.1.2      32             Deny           0
3            70.20.10.110    228.1.1.0      16             Deny           0
2            70.20.10.110    228.1.1.0      24             Deny           6839
1            70.20.10.110    228.1.1.1      32             Allow          0
-----

```

Total Policies Found = 7

```
-----
VRF 'default': Applied External Receiver Policy Table
-----
```

Default External Receiver Policy: Allow

Applied policy for interface 'ALL':

```
-----
Seq Num      Source          Group           Group Mask     Permission     Deny Counter
-----
5            0.0.0.0         228.1.1.1      32             Deny           0
1            70.20.10.110    228.1.1.1      32             Deny           0
3976         70.30.1.103     235.1.1.1      32             Allow          0
3977         70.30.1.103     235.1.1.2      32             Allow          0
3978         70.30.1.103     235.1.1.3      32             Allow          0
...
4567         70.30.1.105     235.1.1.193    32             Allow          0
4568         70.30.1.105     235.1.1.194    32             Allow          0
4569         70.30.1.105     235.1.1.195    32             Allow          0
4570         70.30.1.105     235.1.1.196    32             Allow          0
4571         70.30.1.105     235.1.1.197    32             Allow          0
4572         70.30.1.105     235.1.1.198    32             Allow          0
-----

```

```

4573          70.30.1.105      235.1.1.199      32          Allow        0
4574          70.30.1.105      235.1.1.200      32          Allow        0
-----

```

Total Policies Found = 601

次に、**show nbm host-policy applied receiver local all vrf all** コマンドの出力例を示します。

```
switch# show nbm host-policy applied receiver local all vrf all
```

```
-----
VRF 'blue': Applied Local Receiver Policy Table
-----

```

Default Local Receiver Policy: Allow

Total Policies Found = 0

```
-----
VRF 'default': Applied Local Receiver Policy Table
-----

```

Default Local Receiver Policy: Allow

Applied policy for interface 'Vlan1001':

```
-----
Seq Num      Source          Group           Group Mask     Permission     Deny Counter
-----
4831         0.0.0.0        228.1.2.1      32             Allow         0
4836         0.0.0.0        228.1.2.2      32             Allow         0
4837         0.0.0.0        228.1.2.3      32             Allow         0
4838         0.0.0.0        228.1.2.4      32             Allow         0
4839         0.0.0.0        228.1.2.5      32             Allow         0
4840         0.0.0.0        228.1.2.6      32             Allow         0
4841         0.0.0.0        228.1.2.7      32             Allow         0
4842         0.0.0.0        228.1.2.8      32             Allow         0
...
5086         0.0.0.0        228.1.2.252    32             Allow         0
5087         0.0.0.0        228.1.2.253    32             Allow         0
5088         0.0.0.0        228.1.2.254    32             Allow         0
5089         0.0.0.0        228.1.2.255    32             Allow         0
-----

```

Applied policy for interface 'Wildcard':

```
-----
Seq Num      Source          Group           Group Mask     Permission     Deny Counter
-----
10000        0.0.0.0        231.1.0.0      16             Deny          0
10001        0.0.0.0        231.1.1.1      32             Deny          0
10002        0.0.0.0        231.1.1.2      32             Allow         0
100001       0.0.0.0        231.1.1.11     32             Deny          0
100002       0.0.0.0        231.1.1.12     32             Deny          0
100003       0.0.0.0        231.1.1.13     32             Deny          0
...
100440       0.0.0.0        236.1.1.200    32             Deny          0
10300        0.0.0.0        237.1.0.0      16             Deny          0
10301        0.0.0.0        237.1.1.1      32             Allow         0
10401        0.0.0.0        238.1.0.0      16             Deny          0
10402        0.0.0.0        238.1.1.1      32             Allow         0
-----

```

Total Policies Found = 705

次に、**show nbm host-policy applied receiver local interface interface vrf vrf-name** コマンドの出力例を示します。

```
switch# show nbm host-policy applied receiver local interface vrf 1001
-----
VRF 'blue': Applied Local Receiver Policy Table
-----

Default Local Receiver Policy: Allow

Applied policy for interface 'Vlan1001':

-----
Seq Num      Source      Group      Group Mask  Permission  Deny Counter
-----
4831         0.0.0.0    228.1.2.1  32          Allow       0
4836         0.0.0.0    228.1.2.2  32          Allow       0
4837         0.0.0.0    228.1.2.3  32          Allow       0
4838         0.0.0.0    228.1.2.4  32          Allow       0
4839         0.0.0.0    228.1.2.5  32          Allow       0
4840         0.0.0.0    228.1.2.6  32          Allow       0
4841         0.0.0.0    228.1.2.7  32          Allow       0
...
5087         0.0.0.0    228.1.2.253  32         Allow       0
5088         0.0.0.0    228.1.2.254  32         Allow       0
5089         0.0.0.0    228.1.2.255  32         Allow       0
-----

Total Policies Found = 255
```

次に、**show nbm host-policy applied receiver local wildcard vrf default** コマンドの出力例を示します。

```
switch# show nbm host-policy applied receiver local wildcard vrf default
-----
VRF 'default': Applied Local Receiver Policy Table
-----

Default Local Receiver Policy: Allow

Applied policy for interface 'Wildcard':

-----
Seq Num      Source      Group      Group Mask  Permission  Deny Counter
-----
10000        0.0.0.0    231.1.0.0   16          Deny        0
10001        0.0.0.0    231.1.1.1   32          Deny        0
10002        0.0.0.0    231.1.1.2   32          Allow        0
100001       0.0.0.0    231.1.1.11  32          Deny        0
100002       0.0.0.0    231.1.1.12  32          Deny        0
100003       0.0.0.0    231.1.1.13  32          Deny        0
100004       0.0.0.0    231.1.1.14  32          Deny        0
100005       0.0.0.0    231.1.1.15  32          Deny        0
100006       0.0.0.0    231.1.1.16  32          Deny        0
...
100439       0.0.0.0    236.1.1.199  32          Deny        0
100440       0.0.0.0    236.1.1.200  32          Deny        0
10300        0.0.0.0    237.1.0.0   16          Deny        0
```

```

10301      0.0.0.0      237.1.1.1      32      Allow      0
10401      0.0.0.0      238.1.0.0      16      Deny       0
10402      0.0.0.0      238.1.1.1      32      Allow       0
-----

```

Total Policies Found = 450

次に、**show nbm host-policy applied sender all vrf all** コマンドの出力例を示します。

```
switch# show nbm host-policy applied sender all vrf all
```

```
-----
VRF 'default': Applied Sender Policy Table
-----
```

Default Sender Policy: Allow

Total Policies Found = 0

```
-----
VRF 'red': Applied Sender Policy Table
-----
```

Default Sender Policy: Allow

Applied policy for interface 'Ethernet1/32':

```
-----
Seq Num      Source      Group      Group Mask  Permission
-----
20           10.1.31.10  228.31.1.1  32          Allow
-----
-----
```

Total Policies Found = 1

```
-----
VRF 'blue': Applied Sender Policy Table
-----
```

Default Sender Policy: Allow

Applied policy for interface 'Ethernet1/31':

```
-----
Seq Num      Source      Group      Group Mask  Permission
-----
10           10.1.31.10  228.31.1.1  32          Allow
11           10.1.31.10  228.31.1.2  32          Allow
12           10.1.31.10  228.31.1.3  32          Allow
13           10.1.31.10  228.31.1.4  32          Allow
-----
-----
```

Total Policies Found = 4

次に、**show nbm host-policy applied sender interface interface vrf vrf-name** コマンドの出力例を示します。

```
switch# show nbm host-policy applied sender interface e1/31
-----
VRF 'blue': Applied Sender Policy Table
-----

Default Sender Policy: Allow

Applied policy for interface 'Ethernet1/31':

-----
Seq Num      Source          Group           Group Mask     Permission
-----
10           10.1.31.10     228.31.1.1     32             Allow
11           10.1.31.10     228.31.1.2     32             Allow
12           10.1.31.10     228.31.1.3     32             Allow
13           10.1.31.10     228.31.1.4     32             Allow
-----

Total Policies Found = 4
```

次に、**show nbm host-policy applied sender wildcard vrf all** コマンドの出力例を示します。

```
switch# show nbm host-policy applied sender wildcard vrf all
-----
VRF 'default': Applied Sender Policy Table
-----

Default Sender Policy: Allow

Total Policies Found = 0

-----
VRF 'red': Applied Sender Policy Table
-----

Default Sender Policy: Allow

Applied policy for interface 'Wildcard':

-----
Seq Num      Source          Group           Group Mask     Permission
-----
10           0.0.0.0         228.1.10.1     32             Allow
20           0.0.0.0         228.1.20.1     32             Deny
30           0.0.0.0         228.1.30.1     32             Deny
40           0.0.0.0         228.1.40.1     32             Deny
50           0.0.0.0         228.1.50.1     32             Allow
-----

Total Policies Found = 5
```

次の例は、静的フロープロビジョニングが有効になっている場合の **show nbm flows static** コマンドの出力例を示しています。

```
switch# show nbm flows static
-----
| NBM Static API Flow Table for VRF default
```

```

+-----+
+-----+
| Provisioned Static Flows
+-----+
| Source      | Group      | Ingress Intf | BW (in Kbps) | Policed
| Is LHR     | Egress Intf | Fault Reason  |               |
+-----+
| 10.1.103.10 | 231.1.1.1  | Vlan103      | 1000000      | Yes
|             |             | None         |               |
| YES        | Vlan104    | None         |               |
| YES        | Vlan105    | None         |               |
| NO         | Ethernet1/64 | None         |               |
+-----+

```

この例は、静的フロープロビジョニングが有効になっている場合の **show nbm flows static group** コマンドの出力例を示しています。障害の理由列には、発生したエラーの理由が表示されます。

```
switch# show nbm flows static group 231.1.1.2
```

```

+-----+
| NBM Static API Flow Table for VRF default
+-----+
| Provisioned Static Flows
+-----+
| Source      | Group      | Ingress Intf | BW (in Kbps) | Policed
| Is LHR     | Egress Intf | Fault Reason  |               |
+-----+
| 10.1.103.10 | 231.1.1.2  | Vlan103      | 1000000      | Yes
|             |             | None         |               |
| YES        | Vlan104    | Intf down    |               |
| YES        | Vlan105    | None         |               |
| NO         | Ethernet1/64 | None         |               |
+-----+

```

次に、**show running-config nbm** コマンドの出力例を示します。

```

switch# show running-config nbm
!Command: show running-config nbm
!Running configuration last done at: Fri Mar 29 05:21:38 2019
!Time: Fri Mar 29 10:09:24 2019

version 9.3(1) Bios:version 08.35
feature nbm

nbm mode pim-active
nbm host-policy
  sender
    default permit
  receiver
    default permit

```

```

pim
  default permit
nbm reserve unicast fabric bandwidth 2
nbm flow asm range 225.0.0.0/8 234.80.0.0/16 232.6.0.0/16 233.80.0.0/16
nbm flow asm range 235.6.0.0/16 239.80.0.0/16 227.0.0.0/8 238.80.0.0/16
nbm flow asm range 238.100.0.0/16 239.100.0.0/16
nbm flow bandwidth 1002 kbps
nbm flow-policy
  policy v2.leaf1.1.225.50
    bandwidth 1001 kbps
    dscp 26
    ip group-range 225.50.1.6 to 225.50.1.10
  policy v2.leaf1.1.225.80
    bandwidth 1001 kbps
    dscp 24
    ip group-range 225.80.1.1 to 225.80.1.5
nbm vrf mars
  nbm mode pim-active
  nbm host-policy
    sender
      default permit
    receiver
      default permit
  pim
    default permit
  nbm reserve unicast fabric bandwidth 1
  nbm flow asm range 225.0.0.0/8 227.0.0.0/8 234.80.0.0/16 233.80.0.0/16
  nbm flow asm range 235.6.0.0/16 239.80.0.0/16 232.6.0.0/16 238.80.0.0/16
  nbm flow asm range 238.100.0.0/16 239.100.0.0/16
  nbm flow bandwidth 1004 kbps
  nbm flow-policy
    policy static.v2.leaf3.1.238.80
      bandwidth 1001 kbps
      dscp 35
      ip group-range 238.80.1.1 to 238.80.1.5
    policy static.v2.leaf4.1.239.80
      bandwidth 1001 kbps
      dscp 35
      ip group-range 239.80.1.1 to 239.80.1.5
  nbm flow-definition 233.80.1.1 0.0.0.0
    egress-interface eth6/20/3
    egress-interface vlan851
    stage-flow
    egress-host 21.7.1.2
  nbm flow-definition 233.80.1.2 0.0.0.0
    egress-interface eth6/20/3
    stage-flow
    egress-host 21.7.1.2

```

## サンプル show コマンド出力 (単一のモジュラ スイッチ)

このセクションでは、DCNM メディア コントローラのない単一のモジュラ スイッチの出力例を示します。コントローラベースの展開では、統計はDCNM メディア コントローラ GUIで使用できます。

次に、**show nbm defaults** コマンドのサンプル出力例を示します。

```

switch# show nbm defaults
Default Flow Policy:

```



```
Bandwidth : 1000 Kbps
DSCP      : 0
QID       : 0
```

```
Default Host Policies:
Sender    : Permit
Receiver  : Permit
PIM       : Permit
```

```
Default Unicast Fabric Bandwidth : 1
```

次に、**show nbm flows** コマンドの出力例を示します。

```
switch# show nbm flows
NBM Active Source-Group-Based Flows :
Mcast-Group Src-IP Start-Time Src-Intf L4-S L4-D LID Status Num Rx Bw Mbps CFG Bw Mbps
Src-slot Unit Slice DSCP QOS
228.2.10.3 10.12.85.10 08/21 18:45:27.429 Vlan1000 0 0 0 ACTIVE 7 66.000 66.000 1 0 0
48 7
228.1.3.3 10.10.85.10 08/21 18:45:27.324 Vlan1000 0 0 0 ACTIVE 8 18.000 18.000 1 0 0 24
7
228.1.4.1 10.10.85.10 08/21 18:45:27.068 Vlan1000 0 0 0 ACTIVE 8 19.000 19.000 1 0 0 32
7
228.1.9.1 10.10.85.10 08/21 18:45:26.732 Vlan1000 0 0 0 ACTIVE 8 31.000 31.000 1 0 0 32
7
```

次に、**show nbm flows group multicast-group** コマンドのサンプル出力例を示します。

```
switch# show nbm flows group 228.2.10.3
NBM Active Source-Group-Based Flows :
Mcast-Group Src-IP Start-Time Src-Intf L4-S L4-D LID Status Num Rx Bw Mbps CFG Bw Mbps
Src-slot Unit Slice DSCP QOS
228.2.10.3 10.12.85.10 08/21 18:45:27.429 Vlan1000 0 0 0 ACTIVE 7 66.000 66.000 1 0 0
48 7
```

次に、**show ip igmp groups** コマンドの出力例を示します。

```
switch# show ip igmp groups
IGMP Connected Group Membership for VRF "default" - 61520 total entries
Type: S - Static, D - Dynamic, L - Local, T - SSM Translated
Group Address      Type Interface      Uptime    Expires    Last Reporter
225.3.5.1          D   Ethernet3/5        11:48:07  00:03:36  3.5.1.6
225.3.5.2          D   Ethernet3/5        11:48:07  00:03:36  3.5.1.6
225.3.5.3          D   Ethernet3/5        11:48:07  00:03:36  3.5.1.6
225.3.5.4          D   Ethernet3/5        11:48:07  00:03:36  3.5.1.6
```

次に、**show ip igmp groups interface** コマンドの出力例を示します。

```
switch# show ip igmp groups eth3/5
IGMP Connected Group Membership for Interface "Eth3/5" - 1165 total entries
Type: S - Static, D - Dynamic, L - Local, T - SSM Translated
Group Address      Type Interface      Uptime    Expires    Last Reporter
225.3.5.1          D   Ethernet3/5        11:51:22  00:02:24  3.5.1.6
225.3.5.2          D   Ethernet3/5        11:51:22  00:02:24  3.5.1.6
225.3.5.3          D   Ethernet3/5        11:51:22  00:02:24  3.5.1.6
225.3.5.4          D   Ethernet3/5        11:51:22  00:02:24  3.5.1.6
```

次に、**show ip igmp groups multicast-group** コマンドのサンプル出力例を示します。

```
switch# show ip igmp groups 225.3.5.1
IGMP Connected Group Membership for VRF "default" - matching Group "225.3.5.1"
```

```
Type: S - Static, D - Dynamic, L - Local, T - SSM Translated
Group Address Type Interface Uptime Expires Last Reporter
225.3.5.1 D Ethernet3/5 00:05:20 00:10:10 3.5.1.6
```

次に、**show running-config nbm** コマンドの出力例を示します。

```
switch# show running-config nbm
!Command: show running-config nbm
!Running configuration last done at: Thu May 10 08:53:37 2018
!Time: Thu May 10 09:33:23 2018

version 9.2(1) Bios:version 07.50
feature nbm

nbm mode pim-active
nbm host-policy
  sender
    default deny
  receiver
    default deny
    5 host 1.0.0.5 source 1.2.3.4 group 232.1.2.0/24 permit
    6 host 1.0.3.5 source 1.2.3.77 group 224.1.2.0/24 permit
    7 host 1.0.0.5 source 1.2.3.88 group 224.1.2.0/24 permit
  pim
    default deny
nbm reserve unicast fabric bandwidth 10
nbm flow asm range 237.1.1.0/24
nbm flow bandwidth 123 kbps
nbm flow-policy
  policy BLAH
  policy POL
  policy POL_1
    bandwidth 123 kbps
    dscp 10
    ip group-range 237.1.1.0 to 238.1.1.0
  policy POL_A
  policy flow
  policy nbm1_1
    bandwidth 1000000 kbps
    dscp 11
    ip group-range 224.1.0.1 to 224.1.255.255
    ip group-range 225.1.0.1 to 225.1.255.255
```

## 翻訳について

このドキュメントは、米国シスコ発行ドキュメントの参考和訳です。リンク情報につきましては、日本語版掲載時点で、英語版にアップデートがあり、リンク先のページが移動/変更されている場合がありますことをご了承ください。あくまでも参考和訳となりますので、正式な内容については米国サイトのドキュメントを参照ください。