



Cisco Nexus Dashboard Fabric Controller (NDFC) IPFM ファブリックの Kafka 通知 リリース 12.2.2

初版 : 2022 年 7 月 29 日

概要

注：このドキュメントの以前のリリースからの大きな変更はありません。

Cisco NDFC 通知サービスは、**Apache Kafka** プロデューサを使用して、通知のストリームを **Kafka** トピックにパブリッシュします。各通告は、単一のオブジェクト変更イベントを表します。その後、ユーザーは **Kafka** コンシューマを使用してオブジェクト変更レコードを使用し、必要なアクションを実行できます。

注：この製品のドキュメントセットは、偏向のない言語を使用するように配慮されています。このドキュメントセットでは、偏向のないとは、年齢、障害、性別、人種的アイデンティティ、民族的アイデンティティ、性的指向、社会経済的地位、およびインターセクショナルリティに基づく差別を意味しない言語として定義されています。製品ソフトウェアのユーザーインターフェイスにハードコードされている言語、RFP のドキュメントに基づいて使用されている言語、または参照されているサードパーティ製品で使用されている言語によりドキュメントに例外が存在する場合があります。

クライアント バンドル証明書

クライアント バンドル証明書を取得するには、次の手順を実行します。

1. Cisco NDFC Web UI を起動します。
2. ブラウザの URL に、次のアドレスを入力します。
<https://<ndfc-server-ip>/appcenter/cisco/ndfc/api/v1/pmn/kafka-cert-bundle?password=<password-to-encrypt-bundle>>

「kafka-cert-bundle.zip」ファイルがローカル ディレクトリにダウンロードされます。

バンドルを暗号化のパスワードを覚えておいてください。このパスワード ID は、**client.key.ecrypted** ファイルを復号するために必要です。

3. kafka-cert-bundle.zip を解凍し、ファイルを抽出します。
4. 次のコマンドを使用して、ファイル **client.key.ecrypted** を **client.key** に復号します。

```
openssl enc -aes-256-cbc -a -d -in client.key.ecrypted -out client.key -k <password-to-encrypt-bundle>
```

正しいバージョンの SSL を使用していることを確認します。一部の SSL バージョンは機能しない可能性があることに注意してください。

注：Java JKS キーストアまたはトラストストアが必要な場合は、**readme.txt** ファイルに記載されている手順を使用します。

IPFM 通知の次の **Kafka** トピックを表示できます。

- [NDFC 生成通告 (NDFC Generated Notifications)]：これらのメッセージは、IPFM 構成の管理中に NDFC によって生成されます。Kafka トピックの登録 (**com-cisco-ndfc-ipfm-controller**)
- スイッチのリアルタイム通知：これらのメッセージは、NDFC がパズスルーとして機能するスイッチによって生成されます。Kafka トピックの登録 (**com-cisco-ndfc-ipfm-switch-realtime**)

変更履歴

日付	説明
2024 年 9 月 4 日	リリース 12.2.2 では、次の新しい通告が導入されました。 • NAT モード ◦ 入力 NAT モード：展開解除 ◦ 入力 NAT モード：削除 ◦ 出力 NAT モード：展開解除 ◦ 出力 NAT モード：削除 • マルチキャストからマルチキャスト NAT ◦ 入力 NAT ルール：展開解除 ◦ 入力 NAT ルール：削除 ◦ 出力 NAT ルール：展開解除 ◦ 出力 NAT ルール：削除 ◦ 出力マッピング：展開解除 ◦ 出力マッピング：削除 • マルチキャストからユニキャスト NAT ◦ NAT SR ルール：展開解除 ◦ NAT SR ルール：削除 • ユニキャストからマルチキャスト モード ◦ 出力マッピングの再循環：展開解除 ◦ 出力マッピングの再循環：削除
2023 年 8 月 23 日	リリース 12.1.3b では、次の新しい通告が導入されました。 • 高精度時間プロトコル (PTP) ◦ 親の変更 ◦ ポート ステータスの変更 ◦ グランドマスターの変更
2023 年 1 月 31 日	リリース 12.1.2e では、次の新しい通告が導入されています。 • パッシブ モード VRF ◦ 作成 ◦ 展開 (Deploy)
2022 年 6 月 8 日	リリース 12.1.1e では、次の新しい通告が導入されています。 • マルチキャストからユニキャスト NAT モード ◦ 作成 ◦ 展開 ◦ 展開解除 ◦ 入力 NAT モード ◦ インターフェイスの再循環 ◦ NAT ルール • ユニキャストからマルチキャスト モード ◦ インターフェイスの再循環 ◦ NAT SR ルール

NDFC 生成された通告

日付	説明
2021 年 9 月 30 日	このドキュメントに記載されているすべての通告は、Cisco Nexus Dashboard ファブリック コントローラ リリース 12.0.1a で導入されています。

NDFC 生成された通告

パッシブ モード VRF

VRFの作成

キー

ペイロード

```
vrf.
{
  "messageId": 8201、
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.vrf",
  "header": {
    "Type": "vrf",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Successfully created pmn vrf with vrf name and description
(nbm_vrf_passive, ) in Fabric multi-vrf by admin",
    "Sent At": "2022-11-22, 00:12:44 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "fabric": "multi-vrf",
    "vrf": "nbm_vrf_passive",
    "message": "Successfully created pmn vrf with vrf name and description
(nbm_vrf_passive, ) in Fabric multi-vrf by admin"
  }
}
```

VRF の展開

キー

ペイロード

```
vrf.
{
  "messageId": 8006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.vrf",
  "header": {
    "Type": "vrf",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "vrf [] Deployment in VRF: 'nbm_vrf_passive' in Fabric: 'multi-vrf' on switch: 172.22.198.4",
    "Sent At": "2022-11-22, 00:12:45 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "{ \"nbmGlobalConfDom\" : { \"attributes\" : { \"name\" : \"nbm_vrf_passive\" }, \"children\" : [ { \"nbmGlobalConfig\" : { \"attributes\" : { \"operMode\" : \"PIM_PASSIVE\" } } } ] } }",
    "fabric": "multi-vrf",
    "deployment type": "vrf",
    "vrf": "nbm_vrf_passive",
    "switch-ip": "172.22.198.4"
  }
}
```

NBM VRF Create

VRFの作成

キー

ペイロード

```
vrf.
{
  "messageId": 8201,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.vrf",
  "header": {
    "Type": "vrf",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Successfully created pmn vrf with vrf name and description (vrf_test1234, ) in Fabric pmn-fnc by admin",
    "Sent At": "2021-08-17, 20:39:13 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "fabric": "pmn-fnc",
    "vrf": "vrf_test1234",
    "message": "Successfully created pmn vrf with vrf name and description (vrf_test1234) in Fabric pmn-fnc by admin"
  }
}
```

Deploy VRF

キー

ペイロード

```
vrf.
{
  "messageId": 8006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.vrf",
  "header": {
    "Type": "vrf",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "vrf [] Deployment in VRF: 'vrf_test1234' in Fabric: 'pmn-fnc' on switch: 172.31.148.36",
    "Sent At": "2021-08-17, 20:39:15 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "{\"nbmGlobalConfDom\": {\"attributes\": {\"name\": \"vrf_test1234\"}, \"fabric\": \"pmn-fnc\", \"deployment type\": \"vrf\", \"vrf\": \"vrf_test1234\", \"switch-ip\": \"172.31.148.36\"}}",
  }
}
```

VRFの編集

キー

ペイロード

```
vrf.
{
  "messageId": 8202,
  "routingKey": "information.com.cisco.dcnm.event.pmn.update.vrf",
  "header": {
    "Type": "vrf",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Successfully updated pmn vrf with vrf name and description from (vrf_test1234, ) to (vrf_test1234, just modifyuing the description of vrf for test) in Fabric pmn-fnc by admin",
    "Sent At": "2021-08-17, 20:40:59 UTC",
    "Severity": "Information",
    "Operation": "Update"
  },
  "data": {
    "fabric": "pmn-fnc",
    "vrf": "vrf_test1234",
    "message": "Successfully updated pmn vrf with vrf name and description from (vrf_test1234, ) to (vrf_test1234, just modifyuing the description of vrf for test) in Fabric pmn-fnc by admin"
  }
}
```

VRFの削除

キー

ペイロード

```
vrf.
{
  "messageId": 8203,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.vrf",
  "header": {
    "Type": "vrf",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Successfully deleted pmn vrf with vrf name and description (vrf_test1234, just modifying the description of vrf for test) in Fabric pmn-fnc by admin",
    "Sent At": "2021-08-17, 20:41:29 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "fabric": "pmn-fnc",
    "vrf": "vrf_test1234",
    "message": "Successfully deleted pmn vrf with vrf name and description (vrf_test1234, just modifying the description of vrf for test) in Fabric pmn-fnc by admin"
  }
}
```

削除時に VRF を展開解除する

キー

ペイロード

```
vrf.
{
  "messageId": 8006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.vrf",
  "header": {
    "Type": "vrf",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "vrf [] Undeployment in VRF: 'vrf_test1234' in Fabric: 'pmn-fnc' on switch: 172.31.149.58",
    "Sent At": "2021-08-17, 20:41:31 UTC",
    "Severity": "Information",
    "Operation": "Undeploy"
  },
  "data": {
    "Deployed data": "{ \"nbmGlobalConfDom\" : { \"attributes\" : { \"name\" : \"vrf_test1234\", \"status\" : \"deleted\" } } }",
    "fabric": "pmn-fnc",
    "deployment type": "vrf",
    "vrf": "vrf_test1234",
    "switch-ip": "172.31.149.58"
  }
}
```

NBM グローバル構成

ASM グループ範囲：展開の成功

キー	asm.
ペイロード	<pre>{ "messageId": 8001, "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.asm", "header": { "Type": "asm", "User": "Internal", "Operation Status": "Success", "Event": "asm [Count:2(asm.....)] Deployment in VRF: 'test_pmn' in Fabric: 'pmn-soln' on switch: 172.31.147.80", "Sent At": "2021-07-29, 17:57:52 UTC", "Severity": "Information", "Operation": "Deploy" }, "data": { "Deployed data": "[asm, 31]", "fabric": "pmn-soln", "deployment type": "asm", "vrf": "all vrfs", "switch-ip": "172.31.147.80" } }</pre>

ASM グループ範囲：展開の失敗

キー	asm.
ペイロード	<pre>{ "messageId": 8101, "routingKey": "error.com.cisco.dcnm.event.pmn.deploy.asm", "header": { "Type": "asm", "User": "Internal", "Operation Status": "Failure", "Event": "asm [Count:2(asm.....)] Deployment failed in VRF: 'test_pmn' in Fabric: 'pmn-soln' on switch: 172.31.147.161, Reason: ERROR: Please Create NBM VRF test_pmn before this config", "Sent At": "2021-07-29, 18:05:04 UTC", "Severity": "Error", "Operation": "Deploy" }, "data": { "Deployed data": "[asm, 31]", "fabric": "pmn-soln", "deployment type": "asm", "vrf": "all vrfs", "switch-ip": "172.31.147.161" } }</pre>

}

ASM group-ranges : 展開解除

キー

asm.

ペイロード

```
{
  "messageId": 8001,
  "routingKey": "information.com.cisco.dcnm. イベント.pmn.undeploy.asm",
  "header": {
    "Type": "asm",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "asm [Count:2(asm.....)] Undeployment in VRF: 'test_pmn' in Fabric: 'pmn-soln' on switch: 172.31.204.28",
    "Sent At": "2021-07-29, 18:09:55 UTC",
    "Severity": "Information",
    "Operation": "Undeploy"
  },
  "data": {
    "Deployed data": "[asm, 31]",
    "fabric": "pmn-soln",
    "deployment type": "asm",
    "vrf": "all vrfs",
    "switch-ip": "172.31.204.28"
  }
}
```

ユニキャスト帯域幅

展開: 成功

キー

unicast_bw.

ペイロード

```
{
  "messageId": 8000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.unicast_bw",
  "header": {
    "Type": "unicast_bw",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "unicast_bw [Count:2(unicast_bw.....)] Deployment in VRF: 'test_pmn' in Fabric: 'pmn-soln' on switch: 172.31.203.171",
    "Sent At": "2021-07-29, 17:57:55 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[unicast_bw, 31]",
    "fabric": "pmn-soln",
    "deployment type": "unicast_bw",
    "vrf": "all vrfs",
    "switch-ip": "172.31.203.171"
  }
}
```

```
}
}
```

展開の失敗

キー

unicast_bw.

ペイロード

```
{
  "messageId": 8100,
  "routingKey": "error.com.cisco.dcnm.event.pmn.deploy.unicast_bw",
  "header": {
    "Type": "unicast_bw",
    "User": "Internal",
    "Operation Status": "Failure",
    "Event": "unicast_bw [Count:2(unicast_bw.....)] Deployment failed in VRF: 'test_pmn'
in Fabric: 'pmn-soln' on switch: 172.31.147.161, Reason: Invalid request. dn
'sys/nbm/conf/global/dom-test_pmn' does not match naming properties specified
'sys/nbm/conf/global/dom-test_pmn/global'",
    "Sent At": "2021-07-29, 18:05:06 UTC",
    "Severity": "Error",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[unicast_bw, 31]",
    "fabric": "pmn-soln",
    "deployment type": "unicast_bw",
    "vrf": "all vrfs",
    "switch-ip": "172.31.147.161"
  }
}
```

展開解除

キー

unicast_bw.

ペイロード

```
{
  "messageId": 8000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.unicast_bw",
  "header": {
    "Type": "unicast_bw",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "unicast_bw [Count:2(unicast_bw.....)] Undeployment in VRF: 'test_pmn' in
Fabric: 'pmn-soln' on switch: 172.31.204.97",
    "Sent At": "2021-07-29, 18:09:44 UTC",
    "Severity": "Information",
    "Operation": "Undeploy"
  },
  "data": {
    "Deployed data": "[unicast_bw, 31]",
    "fabric": "pmn-soln",
    "deployment type": "unicast_bw",
    "vrf": "all vrfs",
  }
}
```

フロー ポリシー

```

    "switch-ip": "172.31.204.97"
  }
}

```

フロー ポリシー

キー

ペイロード

```

flowPolicy.
{
  "messageId": 3106,
  "routingKey": "error.com.cisco.dcnm.event.pmn.undeploy.flowpolicy",
  "header": {
    "Type": "FlowPolicy",
    "User": "Internal",
    "Operation Status": "Failure",
    "Event": "FlowPolicy [Default] Undeployment failed in VRF: 'test_pmn' in Fabric: 'pmn-soln' on switch: 172.31.149.99, Reason: org.springframework.web.client.ResourceAccessException: I/O error on POST request for \"https://dcnm-sim-master.cisco-dcnm.svc:9443/sim/job\": Timeout waiting for connection from pool; nested exception is org.apache.http.conn.ConnectionPoolTimeoutException: Timeout waiting for connection from pool\",
    "Sent At": "2021-07-29, 18:09:44 UTC",
    "Severity": "Error",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": "[Default]",
    "fabric": "pmn-soln",
    "deployment type": "FlowPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.149.99"
  }
}

```

帯域幅の有効化

展開: 成功

キー

ペイロード

```

bw_enabled.
{
  "messageId": 8004,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.bw_enabled",
  "header": {
    "Type": "bw_enabled",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "bw_enabled [Count:2(bw_enabled.....)] Deployment in VRF: 'test_pmn' in Fabric: 'pmn-soln' on switch: 172.31.149.97",
    "Sent At": "2021-07-29, 17:57:57 UTC",
    "Severity": "Information",
  }
}

```

```

    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[bw_enabled, 31]",
    "fabric": "pmn-soln",
    "deployment type": "bw_enabled",
    "vrf": "all vrfs",
    "switch-ip": "172.31.149.97"
  }
}

```

展開に失敗しました

キー

ペイロード

```

bw_enabled.
{
  "messageId": -1,
  "routingKey": "error.com.cisco.dcnm.event.pmn.deploy.bw_enabled",
  "header": {
    "Type": "bw_enabled",
    "User": "Internal",
    "Operation Status": "Failure",
    "Event": "bw_enabled [Count:2(bw_enabled.....)] Deployment failed in VRF: 'test_pmn'
in Fabric: 'pmn-soln' on switch: 172.31.204.98, Reason: unknown attribute 'resBwRxOnly'
in element 'nbmGlobalConfig'",
    "Sent At": "2021-07-29, 17:57:58 UTC",
    "Severity": "Error",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[bw_enabled, 31]",
    "fabric": "pmn-soln",
    "deployment type": "bw_enabled",
    "vrf": "all vrfs",
    "switch-ip": ""
  }
}

```

展開解除

キー

ペイロード

```

bw_enabled.
{
  "messageId": 8004,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.bw_enabled",
  "header": {
    "Type": "bw_enabled",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "bw_enabled [] Undeployment in VRF: 'default' in Fabric: 'pmn-fnc' on
switch: 172.31.148.35",
    "Sent At": "2021-08-17, 20:52:16 UTC",
    "Severity": "Information",

```

ホスト ポリシー

```

    "Operation": "Undeploy"
  },
  "data": {
    "Deployed data": "{ \"nbmGlobalConfig\" :
{\\\"attributes\\\":{\\\"resBwRxOnly\\\":\\\"DISABLED\\\"} } }",
    "fabric": "pmn-fnc",
    "deployment type": "bw_enabled",
    "vrf": "default",
    "switch-ip": "172.31.148.35"
  }
}

```

ホスト ポリシー

ホスト ポリシーの作成：送信者

キー

ペイロード

```

HostPolicy.
{
  "messageId": 2000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.hostpolicy",
  "header": {
    "Type": "HostPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host policy 'abc10' in VRF 'default' in Fabric 'pmn-soln' successfully saved by admin",
    "Sent At": "2021-07-29, 16:03:06 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "sequenceNumber": "4",
    "policyName": "abc10",
    "fabric": "pmn-soln",
    "permit": "true",
    "hostRole": "Sender",
    "vrf": "default",
    "message": "Host policy 'abc10' in VRF 'default' in Fabric 'pmn-soln' successfully saved by admin",
    "multicast": "224.1.1.10",
    "senderIp": "10.1.1.10",
    "mask": "32",
    "receiverIp": ""
  }
}

```

ホスト ポリシーの作成：受信者

キー

ペイロード

```

HostPolicy.
{
  "messageId": 2000,

```

ホスト ポリシー

```

"routingKey": "information.com.cisco.dcnm.event.pmn.create.hostpolicy",
"header": {
  "Type": "HostPolicy",
  "User": "Internal",
  "Operation Status": "Success",
  "Event": "Host policy 'rcr_abc10' in VRF 'default' in Fabric 'pmn-soln' successfully
saved by admin",
  "Sent At": "2021-07-29, 16:07:34 UTC",
  "Severity": "Information",
  "Operation": "Create"
},
"data": {
  "sequenceNumber": "1",
  "policyName": "rcr_abc10",
  "fabric": "pmn-soln",
  "permit": "true",
  "hostRole": "Receiver-Local",
  "vrf": "default",
  "message": "Host policy 'rcr_abc10' in VRF 'default' in Fabric 'pmn-soln' successfully
saved by admin",
  "multicast": "224.1.1.10",
  "senderIp": "10.1.1.11",
  "mask": "32",
  "receiverIp": "10.1.1.10"
}
}

```

ホスト ポリシーの作成：展開

キー

HostPolicy.

ペイロード

```

{
  "messageId": 2006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.hostpolicy",
  "header": {
    "Type": "HostPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "HostPolicy [abc10] Deployment in VRF: 'default' in Fabric: 'pmn-soln' on
switch: 172.31.203.173",
    "Sent At": "2021-07-29, 16:03:13 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[abc10]",
    "fabric": "pmn-soln",
    "deployment type": "HostPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.203.173"
  }
}

```

ホスト ポリシー

キー	HostPolicy.
ペイロード	<pre>{ "messageId": 2006, "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.hostpolicy", "header": { "Type": "HostPolicy", "User": "Internal", "Operation Status": "Success", "Event": "HostPolicy [rcr_abc10] Deployment in VRF: 'default' in Fabric: 'pmn-soln' on switch: 172.31.147.80", "Sent At": "2021-07-29, 16:07:40 UTC", "Severity": "Information", "Operation": "Deploy" }, "data": { "Deployed data": "[rcr_abc10]", "fabric": "pmn-soln", "deployment type": "HostPolicy", "vrf": "all vrfs", "switch-ip": "172.31.147.80" } }</pre>

ホスト ポリシーの編集または更新

キー	HostPolicy.
ペイロード	<pre>{ "messageId": 2001, "routingKey": "information.com.cisco.dcnm.event.pmn.update.hostpolicy", "header": { "Type": "HostPolicy", "User": "Internal", "Operation Status": "Success", "Event": "Host Policy with policy name 'rcr_abc10' in VRF 'default' in Fabric 'pmn-soln' successfully saved by admin", "Sent At": "2021-07-29, 16:10:47 UTC", "Severity": "Information", "Operation": "Update" }, "data": { "sequenceNumber": "1", "policyName": "rcr_abc10", "fabric": "pmn-soln", "permit": "false", "hostRole": "Receiver-Local", "vrf": "default", "message": "Host Policy with policy name 'rcr_abc10' in VRF 'default' in Fabric 'pmn- soln' successfully saved by admin", "multicast": "224.1.1.10", "senderIp": "10.1.1.11", "mask": "32", "receiverIp": "10.1.1.10" } }</pre>

ホスト ポリシー

}

ホスト ポリシーの展開

キー

HostPolicy.

ペイロード

```
{
  "messageId": 2006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.hostpolicy",
  "header": {
    "Type": "HostPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "HostPolicy [rcr_abc10] Deployment in VRF: 'default' in Fabric: 'pmn-soln' on
switch: 172.31.203.182",
    "Sent At": "2021-07-29, 16:10:55 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[rcr_abc10]",
    "fabric": "pmn-soln",
    "deployment type": "HostPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.203.182"
  }
}
```

ホスト ポリシーの展開解除

キー

HostPolicy.

ペイロード

```
{
  "messageId": 2006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.hostpolicy",
  "header": {
    "Type": "HostPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "HostPolicy [rcr_abc10] Undeployment in VRF: 'default' in Fabric: 'pmn-soln'
on switch: 172.31.203.171",
    "Sent At": "2021-07-29, 16:13:10 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": "[rcr_abc10]",
    "fabric": "pmn-soln",
    "deployment type": "HostPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.203.171"
  }
}
```

ホストポリシーの削除

キー

HostPolicy.

ペイロード

```
{
  "messageId": 2002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.hostpolicy",
  "header": {
    "Type": "HostPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host policy rcr_abc10' in VRF 'default' in Fabric 'pmn-soln' deleted by admin",
    "Sent At": "2021-07-29, 16:21:10 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "sequenceNumber": "1",
    "policyName": "rcr_abc10",
    "fabric": "pmn-soln",
    "permit": "false",
    "hostRole": "Receiver-Local",
    "vrf": "default",
    "message": "Host policy rcr_abc10' in VRF 'default' in Fabric 'pmn-soln' deleted by admin",
    "multicast": "224.1.1.10",
    "senderIp": "10.1.1.11",
    "mask": "32",
    "receiverIp": "10.1.1.10"
  }
}
```

ホストポリシーの失敗：作成

キー

HostPolicy.

ペイロード

```
{
  "messageId": 2105,
  "routingKey": "error.com.cisco.dcnm.event.pmn.deploy.hostpolicy",
  "header": {
    "Type": "HostPolicy",
    "User": "Internal",
    "Operation Status": "Failure",
    "Event": "HostPolicy [sdr1] Deployment failed in VRF: 'default' in Fabric: 'pmn-fnc' on switch: 172.31.148.36, Failed Policy Name: sdr1 ERROR: Only permission can be modified for an existing policy. To change other elements, please create a new policy, and delete the existing one.\\nfaulty_dn=sys/nbm/conf/hostpolicytable/dom-default/sender/seq-10",
    "Sent At": "2021-08-17, 16:37:09 UTC",
    "Severity": "Error",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[sdr1]",
    "fabric": "pmn-fnc",
  }
}
```

フロー ポリシー

```

    "deployment type": "HostPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.148.36"
  }
}

```

ホスト ポリシーの失敗 -削除

キー

HostPolicy.

ペイロード

```

{
  "messageId": 2105,
  "routingKey": "error.com.cisco.dcnm.event.pmn.undeploy.hostpolicy",
  "header": {
    "Type": "HostPolicy",
    "User": "Internal",
    "Operation Status": "Failure",
    "Event": "HostPolicy [sdr1] Undeployment failed in VRF: 'default' in Fabric: 'pmn-fnc' on switch: 172.31.148.36, Reason: Failed to execute DME request. Failed to get DME auth token. Post \"https://172.31.148.36/api/aaaLogin.json\": dial tcp 172.31.148.36:443: connect: connection refused",
    "Sent At": "2021-08-17, 16:40:56 UTC",
    "Severity": "Error",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": "[sdr1]",
    "fabric": "pmn-fnc",
    "deployment type": "HostPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.148.36"
  }
}

```

フロー ポリシー

デフォルト フロー ポリシー : 編集

キー

flowPolicy.

ペイロード

```

{
  "messageId": 3006,
  "routingKey": "information.com.cisco.dcnm. イベント.pmn. 展開する.flowpolicy",
  "header": {
    "Type": "FlowPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "FlowPolicy [Default] Deployment in VRF: 'default' in Fabric: 'pmn-fnc' on switch: 172.31.148.36",
    "Sent At": "2021-08-17, 20:54:10 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  }
}

```

フロー ポリシー

```

    },
    "data": {
      "Deployed data": "[Default]",
      "fabric": "pmn-fnc",
      "deployment type": "FlowPolicy",
      "vrf": "all vrfs",
      "switch-ip": "172.31.148.36"
    }
  }
}

```

デフォルト フロー ポリシー - 展開

キー

FlowPolicy

ペイロード

```

{
  "messageId": 3006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.flowpolicy",
  "header": {
    "Type": "FlowPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "FlowPolicy [Default] Deployment in VRF: 'default' in Fabric: 'rolal-fnc' on
switch: 172.31.149.58",
    "Sent At": "2021-07-29, 20:12:39 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": "[Default]",
    "fabric": "rolal-fnc",
    "deployment type": "FlowPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.149.58"
  }
}

```

デフォルト フロー ポリシー - 展開解除

キー

flowPolicy.

ペイロード

```

{
  "messageId": 3006,
  "routingKey": "information.com.cisco.dcnm. イベント.pmn.undeploy.flowpolicy",
  "header": {
    "Type": "FlowPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "FlowPolicy [Default] Undeployment in VRF: 'default' in Fabric: 'rolal-fnc' on
switch: 172.31.148.35",
    "Sent At": "2021-07-29, 20:14:10 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {

```

フロー ポリシー

```

    "Deployed data": "[Default]",
    "fabric": "rolal-fnc",
    "deployment type": "FlowPolicy",
    "vrf": "all vrfs",
    "switch-ip": "172.31.148.35"
  }
}

```

カスタム フロー ポリシー : 作成

キー

flowPolicy.

ペイロード

```

{
  "messageId": 3000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.flowpolicy",
  "header": {
    "Type": "FlowPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow Policy with policy name 'testflowpolicy' in VRF 'default' in Fabric 'pmn-fnc' successfully created by admin",
    "Sent At": "2021-08-17, 20:54:59 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "policer": "Enabled",
    "dscp": "Best Effort",
    "policyName": "testflowpolicy",
    "bandwidth": "1gbps",
    "fabric": "pmn-fnc",
    "link": "https://<DCNM_IP>/appcenter/cisco/dcnm/v1/pmn/rest/pmn/fabrics/pmn-fnc/vrfs/default/flowpolicies/testflowpolicy",
    "vrf": "default",
    "message": "Flow Policy with policy name 'testflowpolicy' in VRF 'default' in Fabric 'pmn-fnc' successfully created by admin",
    "multicastRangeList": [
      {
        "endIP": "224.1.1.10",
        "deleted": false,
        "beginIP": "224.1.1.1",
        "flowPriority": "DEFAULT"
      }
    ]
  }
}

```

カスタム フロー ポリシー : 展開

キー

flowPolicy.

ペイロード

```

{
  "messageId": 3006,

```

フロー ポリシー

```

"routingKey": "information.com.cisco.dcnm.event.pmn.deploy.flowpolicy",
"header": {
  "Type": "FlowPolicy",
  "User": "Internal",
  "Operation Status": "Success",
  "Event": "FlowPolicy [fp_video] Deployment in VRF: 'default' in Fabric: 'rolal-fnc' on
switch: 172.31.149.58",
  "Sent At": "2021-07-29, 20:16:30 UTC",
  "Severity": "Information",
  "Operation": "Deploy"
},
"data": {
  "Deployed data": "[fp_video]",
  "fabric": "rolal-fnc",
  "deployment type": "FlowPolicy",
  "vrf": "all vrfs",
  "switch-ip": "172.31.149.58"
}
}

```

フロー ポリシーの編集

キー

FlowPolicy.

ペイロード

```

{
  "messageId": 3001,
  "routingKey": "information.com.cisco.dcnm.event.pmn.update.flowpolicy",
  "header": {
    "Type": "FlowPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow Policy with policy name 'testflowpolicy' in VRF 'default' in Fabric 'pmn-
fnc' successfully updated by admin",
    "Sent At": "2021-08-17, 20:55:36 UTC",
    "Severity": "Information",
    "Operation": "Update"
  },
  "data": {
    "policer": "Disabled",
    "dscp": "Best Effort",
    "policyName": "testflowpolicy",
    "bandwidth": "1mbps",
    "fabric": "pmn-fnc",
    "link": "https://<DCNM_IP>/appcenter/cisco/dcnm/v1/pmn/rest/pmn/fabrics/pmn-
fnc/vrfs/default/flowpolicies/testflowpolicy",
    "vrf": "default",
    "message": "Flow Policy with policy name 'testflowpolicy' in VRF 'default' in Fabric 'pmn-
fnc' successfully updated by admin",
    "multicastRangeList": [
      {
        "endIP": "224.1.1.10",
        "deleted": false,
        "beginIP": "224.1.1.1",
        "flowPriority": "DEFAULT"
      }
    ]
  }
}

```

ホストエイリアス

```
    ]
  }
}
```

フロー ポリシーの削除

キー

flowPolicy.

ペイロード

```
{
  "messageId": 3002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.flowpolicy",
  "header": {
    "Type": "FlowPolicy",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow Policy with policy name 'testflowpolicy' in VRF 'default' in Fabric 'pmn-fnc' successfully deleted by admin",
    "Sent At": "2021-08-17, 20:58:02 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "policer": "Disabled",
    "policyName": "testflowpolicy",
    "bandwidth": "1mbps",
    "fabric": "pmn-fnc",
    "vrf": "default",
    "message": "Flow Policy with policy name 'testflowpolicy' in VRF 'default' in Fabric 'pmn-fnc' successfully deleted by admin",
    "multicastRangeList": [
      {
        "endIP": "224.1.1.10",
        "deleted": false,
        "beginIP": "224.1.1.1",
        "flowPriority": "DEFAULT"
      }
    ]
  }
}
```

ホストエイリアス

キー

作成

HostAlias.

ペイロード

```
{
  "messageId": 7000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.hostalias",
  "header": {
    "Type": "HostAlias",
    "User": "Internal",
```

```

    "Operation Status": "Success",
    "Event": "Host Alias with alias name 'sdr_inat1' in VRF 'default' in Fabric 'pmn-soln-readonly' successfully created by admin",
    "Sent At": "2021-08-05, 16:08:45 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "fabric": "pmn-soln-readonly",
    "name": "sdr_inat1",
    "ipAddress": "10.32.25.10",
    "link": "https://<DCNM_IP>/appcenter/cisco/dcnm/v1/pmn/rest/pmn/fabrics/pmn-soln-readonly/vrfs/default/hostaliases/sdr_inat1",
    "vrf": "default",
    "message": "Host Alias with alias name 'sdr_inat1' in VRF 'default' in Fabric 'pmn-soln-readonly' successfully created by admin"
  }
}

```

更新/編集

キー

ペイロード

HostAlias.

```

{
  "messageId": 7001,
  "routingKey": "information.com.cisco.dcnm.event.pmn.update.hostalias",
  "header": {
    "Type": "HostAlias",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host Alias with original name and IP address sdr_inat1, (10.32.25.10) updated to sdr_inat2, (10.32.25.12) in VRF 'default' in Fabric 'pmn-soln-readonly' by admin",
    "Sent At": "2021-08-05, 16:09:03 UTC",
    "Severity": "Information",
    "Operation": "Update"
  },
  "data": {
    "fabric": "pmn-soln-readonly",
    "name": "sdr_inat2",
    "ipAddress": "10.32.25.12",
    "link": "https://<DCNM_IP>/appcenter/cisco/dcnm/v1/pmn/rest/pmn/fabrics/pmn-soln-readonly/vrfs/default/hostaliases/sdr_inat2",
    "vrf": "default",
    "message": "Host Alias with original name and IP address sdr_inat1, (10.32.25.10) updated to sdr_inat2, (10.32.25.12) in VRF 'default' in Fabric 'pmn-soln-readonly' by admin"
  }
}

```

削除

キー

HostAlias

フローエイリアス

ペイロード	<pre>{ "messageId": 7002, "routingKey": "information.com.cisco.dcnm.event.pmn.delete.hostalias", "header": { "Type": "HostAlias", "User": "Internal", "Operation Status": "Success", "Event": "Host Alias with name 'sdr_inat2' in VRF 'default' in Fabric 'pmn-soln-readonly' deleted by admin", "Sent At": "2021-08-05, 16:09:36 UTC", "Severity": "Information", "Operation": "Delete" }, "data": { "fabric": "pmn-soln-readonly", "name": "sdr_inat2", "ipAddress": "10.32.25.12", "vrf": "default", "message": "Host Alias with name 'sdr_inat2' in VRF 'default' in Fabric 'pmn-soln-readonly' deleted by admin" } }</pre>
-------	--

フローエイリアス

キー

作成	FlowAlias.
ペイロード	<pre>{ "messageId": 4000, "routingKey": "information.com.cisco.dcnm.event.pmn.create.flowalias", "header": { "Type": "FlowAlias", "User": "Internal", "Operation Status": "Success", "Event": "Flow alias with alias name '232_nat1' in VRF 'default' in fabric 'pmn-soln-readonly' successfully created by admin", "Sent At": "2021-08-05, 16:06:58 UTC", "Severity": "Information", "Operation": "Create" }, "data": { "fabric": "pmn-soln-readonly", "name": "232_nat1", "description": "", "vrf": "default", "message": "Flow alias with alias name '232_nat1' in VRF 'default' in fabric 'pmn-soln-readonly' successfully created by admin", "multicastIp": "232.232.5.1" } }</pre>

更新/編集

キー

ペイロード

FlowAlias.

```
{
  "messageId": 4001,
  "routingKey": "information.com.cisco.dcnm.event.pmn.update.flowalias",
  "header": {
    "Type": "FlowAlias",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow alias updated with alias name '232_nat2' in VRF 'default' in fabric
'pmn-soln-readonly' by admin",
    "Sent At": "2021-08-05, 16:07:21 UTC",
    "Severity": "Information",
    "Operation": "Update"
  },
  "data": {
    "fabric": "pmn-soln-readonly",
    "name": "232_nat2",
    "description": "",
    "vrf": "default",
    "message": "Flow alias updated with alias name '232_nat2' in VRF 'default' in fabric
'pmn-soln-readonly' by admin",
    "multicastIp": "232.232.5.2"
  }
}
```

削除

キー

ペイロード

FlowAlias.

```
{
  "messageId": 4002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.flowalias",
  "header": {
    "Type": "FlowAlias",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow alias deleted with name '232_nat2' in VRF 'default' in fabric 'pmn-soln-
readonly' by admin",
    "Sent At": "2021-08-05, 16:07:30 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "fabric": "pmn-soln-readonly",
    "name": "232_nat2",
    "description": "",
    "vrf": "default",
    "message": "Flow alias deleted with name '232_nat2' in VRF 'default' in fabric 'pmn-
soln-readonly' by admin",
    "multicastIp": "232.232.5.2"
  }
}
```

ホスト - 検出されたホスト

ARP エンドポイント - 作成

キー	[Host]。
ペイロード	<pre>{ "messageId": 1005, "routingKey": "information.com.cisco.dcnm.event.pmn.discover.host", "header": { "Type": "Host", "User": "Internal", "Operation Status": "Success", "Event": "Host:10.35.24.10 Discovered Source:10.35.24.10 group: in VRF 'default' in fabric 'pmn-soln'", "Sent At": "2021-07-30, 21:43:35 UTC", "Severity": "Information", "Operation": "Discover" }, "data": { "role": "ARP", "Switch time": "Fri, Jul 30 2021 21:43:03 (UTC)", "ipAddress": "10.35.24.10", "discovered by": "", "vrf": "default", "source": "10.35.24.10", "message": "Host:10.35.24.10 Discovered Source:10.35.24.10 group: in VRF 'default' in fabric 'pmn-soln'", "interface": "Ethernet1/24", "mac": "00:10:94:00:01:6C", "switch": "<switchName >", "fabric": "pmn-soln", "fault reason": "", "name": "Host-10.35.24.10", "group": "" } }</pre>

ARP エンドポイント：削除

キー	[Host]。
ペイロード	<pre>{ "messageId": 1002, "routingKey": "information.com.cisco.dcnm.event.pmn.delete.host", "header": { "Type": "Host", "User": "Internal", "Operation Status": "Success", "Event": "Host:10.35.24.10 Deleted Source:10.35.24.10 group: in VRF 'default' in fabric 'pmn-soln'", "Sent At": "2021-07-30, 21:45:37 UTC", "Severity": "Information", </pre>

```

    "Operation": "Delete"
  },
  "data": {
    "role": "ARP",
    "Switch time": "Fri, Jul 30 2021 21:43:03 (UTC)",
    "ipAddress": "10.35.24.10",
    "discoverd by": "",
    "vrf": "default",
    "source": "10.35.24.10",
    "message": "Host:10.35.24.10 Deleted Source:10.35.24.10 group: in VRF 'default' in
fabric 'pmn-soln'",
    "interface": "Ethernet1/24",
    "mac": "00:10:94:00:01:6C",
    "switch": "<switchName >",
    "fabric": "pmn-soln",
    "fault reason": "",
    "name": "Host-10.35.24.10",
    "group": ""
  }
}

```

ARP エンドポイント：送信者/作成

キー

[Host]。

ペイロード

```

{
  "messageId": 1005,
  "routingKey": "information.com.cisco.dcnm.event.pmn.discover.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:10.1.24.10 Discovered Source:10.1.24.10 group:224.0.255.1 in VRF
'default' in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 20:44:11 UTC",
    "Severity": "Information",
    "Operation": "Discover"
  },
  "data": {
    "role": "Sender",
    "Switch time": "Fri, Jul 30 2021 20:43:12 (UTC)",
    "ipAddress": "10.1.24.10",
    "discoverd by": "",
    "vrf": "default",
    "source": "10.1.24.10",
    "message": "Host:10.1.24.10 Discovered Source:10.1.24.10 group:224.0.255.1 in
VRF 'default' in fabric 'pmn-soln'",
    "interface": "Ethernet1/24",
    "mac": "",
    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-10.1.24.10",
    "group": "224.0.255.1"
  }
}

```

```
}
}
```

ARP Endpoints – Sender/Delete

キー

[Host]。

ペイロード

```
{
  "messageId": 1002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:255.255.255.255 Deleted Source:10.1.24.10 group:224.0.255.1 in VRF
'default' in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 20:50:16 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "role": "Static Receiver",
    "Switch time": "Fri, Jul 30 2021 20:43:12 (UTC)",
    "ipAddress": "255.255.255.255",
    "discovered by": "NBM-STATIC",
    "vrf": "default",
    "source": "10.1.24.10",
    "message": "Host:255.255.255.255 Deleted Source:10.1.24.10 group:224.0.255.1 in
VRF 'default' in fabric 'pmn-soln'",
    "interface": "DUMMY",
    "mac": "",
    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-255.255.255.255",
    "group": "224.0.255.1"
  }
}
```

NBM スタティック受信者：作成

キー

[Host]。

ペイロード

```
{
  "messageId": 1005,
  "routingKey": "information.com.cisco.dcnm.event.pmn.discover.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:10.35.24.1 Discovered Source:0.0.0.0 group:224.0.255.1 in VRF
'default' in fabric 'pmn-soln'",
  },
  "data": {
    "role": "Static Receiver",
    "Switch time": "Fri, Jul 30 2021 20:43:12 (UTC)",
    "ipAddress": "255.255.255.255",
    "discovered by": "NBM-STATIC",
    "vrf": "default",
    "source": "10.1.24.10",
    "message": "Host:255.255.255.255 Deleted Source:10.1.24.10 group:224.0.255.1 in
VRF 'default' in fabric 'pmn-soln'",
    "interface": "DUMMY",
    "mac": "",
    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-255.255.255.255",
    "group": "224.0.255.1"
  }
}
```

```

    "Sent At": "2021-07-30, 20:42:09 UTC",
    "Severity": "Information",
    "Operation": "Discover"
  },
  "data": {
    "role": "Static Receiver",
    "Switch time": "Fri, Jul 30 2021 20:40:02 (UTC)",
    "ipAddress": "10.35.24.1",
    "discoverd by": "NBM-STATIC",
    "vrf": "default",
    "source": "0.0.0.0",
    "message": "Host:10.35.24.1 Discovered Source:0.0.0.0 group:224.0.255.1 in VRF
'default' in fabric 'pmn-soln'",
    "interface": "Ethernet1/24",
    "mac": "",
    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-10.35.24.1",
    "group": "224.0.255.1"
  }
}

```

ステージフロー受信者：作成

キー

[Host]。

ペイロード

```

{
  "messageId": 1005、
  "routingKey": "information.com.cisco.dcnm.event.pmn.discover.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:255.255.255.255 Discovered Source:10.1.24.10 group:224.0.255.1 in
VRF 'default' in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 20:44:11 UTC",
    "Severity": "Information",
    "Operation": "Discover"
  },
  "data": {
    "role": "Static Receiver",
    "Switch time": "Fri, Jul 30 2021 20:43:12 (UTC)",
    "ipAddress": "255.255.255.255",
    "discoverd by": "NBM-STATIC",
    "vrf": "default",
    "source": "10.1.24.10",
    "message": "Host:255.255.255.255 Discovered Source:10.1.24.10 group:224.0.255.1
in VRF 'default' in fabric 'pmn-soln'",
    "interface": "DUMMY",
    "mac": "",
    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
  }
}

```

ホスト - 検出されたホスト

```

    "fault reason": "NONE",
    "name": "Host-255.255.255.255",
    "group": "224.0.255.1"
  }
}

```

ステージフロー受信者：削除

キー

[Host]。

ペイロード

```

{
  "messageId": 1002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:10.35.24.1 Deleted Source:0.0.0.0 group:224.0.255.1 in VRF 'default'
in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 20:50:16 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "role": "Static Receiver",
    "Switch time": "Fri, Jul 30 2021 20:40:02 (UTC)",
    "ipAddress": "10.35.24.1",
    "discoverd by": "NBM-STATIC",
    "vrf": "default",
    "source": "0.0.0.0",
    "message": "Host:10.35.24.1 Deleted Source:0.0.0.0 group:224.0.255.1 in VRF
'default' in fabric 'pmn-soln'",
    "interface": "Ethernet1/24",
    "mac": "",
    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-10.35.24.1",
    "group": "224.0.255.1"
  }
}

```

IGMP ダイナミック受信者：作成

キー

[Host]。

ペイロード

```

{
  "messageId": 1005,
  "routingKey": "information.com.cisco.dcnm.event.pmn.discover.host",
  "header": {
    "Type": "Host",
    "User": "Internal",

```

ホスト - 検出されたホスト

```

    "Operation Status": "Success",
    "Event": "Host:10.35.23.10 Discovered Source:10.20.201.10 group:232.20.35.177 in
VRF 'default' in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 21:04:32 UTC",
    "Severity": "Information",
    "Operation": "Discover"
  },
  "data": {
    "role": "Dynamic Receiver",
    "Switch time": "Fri, Jul 30 2021 21:03:03 (UTC)",
    "ipAddress": "10.35.23.10",
    "discoverd by": "IGMP",
    "vrf": "default",
    "source": "10.20.201.10",
    "message": "Host:10.35.23.10 Discovered Source:10.20.201.10 group:232.20.35.177 in
VRF 'default' in fabric 'pmn-soln'",
    "interface": "Ethernet1/23",
    "mac": "",
    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-10.35.23.10",
    "group": "232.20.35.177"
  }
}

```

IGMP ダイナミック受信者：削除

キー

[Host]。

ペイロード

```

{
  "messageId": 1002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:10.35.23.10 Deleted Source:10.20.201.10 group:232.20.35.53 in VRF
'default' in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 21:17:02 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "role": "Dynamic Receiver",
    "Switch time": "Fri, Jul 30 2021 21:02:32 (UTC)",
    "ipAddress": "10.35.23.10",
    "discoverd by": "IGMP",
    "vrf": "default",
    "source": "10.20.201.10",
    "message": "Host:10.35.23.10 Deleted Source:10.20.201.10 group:232.20.35.53 in
VRF 'default' in fabric 'pmn-soln'",
    "interface": "Ethernet1/23",
    "mac": "",

```

```

    "switch": "<switchName >",
    "external": "NO",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-10.35.23.10",
    "group": "232.20.35.53"
  }
}

```

WAN 送信者 : 作成

キー

[Host]。

ペイロード

```

{
  "messageId": 1005,
  "routingKey": "information.com.cisco.dcnm.event.pmn.discover.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:11.4.19.1 Discovered Source:11.4.19.1 group:232.1.1.100 in VRF
'default' in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 21:53:44 UTC",
    "Severity": "Information",
    "Operation": "Discover"
  },
  "data": {
    "role": "External Sender",
    "Switch time": "Fri, Jul 30 2021 21:51:47 (UTC)",
    "ipAddress": "11.4.19.1",
    "discovered by": "",
    "vrf": "default",
    "source": "11.4.19.1",
    "message": "Host:11.4.19.1 Discovered Source:11.4.19.1 group:232.1.1.100 in VRF
'default' in fabric 'pmn-soln'",
    "interface": "Ethernet1/1",
    "mac": "",
    "switch": "<switchName >",
    "external": "YES",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-11.4.19.1",
    "group": "232.1.1.100"
  }
}

```

WAN 送信者 : 削除

キー

[Host]。

ペイロード

```

{
  "messageId": 1002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.host",

```

ホスト - 検出されたホスト

```

    "header": {
      "Type": "Host",
      "User": "Internal",
      "Operation Status": "Success",
      "Event": "Host:11.4.19.1 Deleted Source:11.4.19.1 group:232.1.1.100 in VRF 'default'
in fabric 'pmn-soln'",
      "Sent At": "2021-07-30, 22:09:58 UTC",
      "Severity": "Information",
      "Operation": "Delete"
    },
    "data": {
      "role": "External Sender",
      "Switch time": "Fri, Jul 30 2021 21:51:47 (UTC)",
      "ipAddress": "11.4.19.1",
      "discoverd by": "",
      "vrf": "default",
      "source": "11.4.19.1",
      "message": "Host:11.4.19.1 Deleted Source:11.4.19.1 group:232.1.1.100 in VRF
'default' in fabric 'pmn-soln'",
      "interface": "Ethernet1/1",
      "mac": "",
      "switch": "<switchName >",
      "external": "YES",
      "fabric": "pmn-soln",
      "fault reason": "NONE",
      "name": "Host-11.4.19.1",
      "group": "232.1.1.100"
    }
  }
}

```

WAN 受信者 : 作成

キー

[Host]。

ペイロード

```

{
  "messageId": 1005,
  "routingKey": "information.com.cisco.dcnm.event.pmn.discover.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:11.41.1.2 Discovered Source:10.35.23.10 group:232.1.1.1 in VRF
'default' in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 21:53:44 UTC",
    "Severity": "Information",
    "Operation": "Discover"
  },
  "data": {
    "role": "",
    "Switch time": "Fri, Jul 30 2021 21:51:47 (UTC)",
    "ipAddress": "11.41.1.2",
    "discoverd by": "PIM",
    "vrf": "default",
    "source": "10.35.23.10",

```

```

    "メッセージ": "Host:11.41.1.2 Discovered Source:10.35.23.10 group:232.1.1.1 in VRF
'デフォルト' in ファブリック 'pmn-soln'",
    "interface": "Ethernet1/1",
    "mac": "",
    "switch": "<switchName >",
    "external": "YES",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-11.41.1.2",
    "group": "232.1.1.1"
  }
}

```

WAN 受信者 : 削除

キー

[Host]。

ペイロード

```

{
  "messageId": 1002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.host",
  "header": {
    "Type": "Host",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Host:11.41.1.2 Deleted Source:10.35.23.10 group:232.1.1.1 in VRF 'default'
in fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 22:09:58 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "role": "",
    "Switch time": "Fri, Jul 30 2021 21:51:47 (UTC)",
    "ipAddress": "11.41.1.2",
    "discovered by": "PIM",
    "vrf": "default",
    "source": "10.35.23.10",
    "message": "Host:11.41.1.2 Deleted Source:10.35.23.10 group:232.1.1.1 in VRF
'default' in fabric 'pmn-soln'",
    "interface": "Ethernet1/1",
    "mac": "",
    "switch": "<switchName >",
    "external": "YES",
    "fabric": "pmn-soln",
    "fault reason": "NONE",
    "name": "Host-11.41.1.2",
    "group": "232.1.1.1"
  }
}

```

障害エンドポイント

キー

作成	<code><switchName>^sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.4.12.10]-if-436213248/s-[0.0.0.0]-g-[224.1.1.34]]</code>
ペイロード	<pre>{ "faultReason": "No Bandwidth", "faultResolution": "Please consult documentation", "Switch": "<switchName >", "dn": "sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.4.12.10]-if-436213248/s-[0.0.0.0]-g-[224.1.1.34]]", "TimestampReceived": 1629236351477, "Timestamp": 1629236172077, "status": "created" }</pre>

削除

キー	<code><switchName>^sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.4.12.10]-if-436213248/s-[0.0.0.0]-g-[224.1.1.34]]</code>
ペイロード	<pre>{ "Switch": "<switchName >", "dn": "sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.4.12.10]-if-436213248/s-[0.0.0.0]-g-[224.1.1.48]]", "TimestampReceived": 1629236403450, "Timestamp": 1629236224052, "status": "deleted" }</pre>

フローの作成

キー	Flow.
ペイロード	<pre>{ "messageId": 5000, "routingKey": "information.com.cisco.dcnm.event.pmn.create.flow", "header": { "Type": "Flow", "User": "Internal", "Operation Status": "Success", "Event": "Flow created for Source:10.1.24.10, Receiver:10.35.24.1, group:224.0.255.1 in VRF 'default' in Fabric 'pmn-soln'", "Sent At": "2021-07-30, 20:44:12 UTC", "Severity": "Information", "Operation": "Create" }, "data": { "Receiver Switch time": "172.31.147.161: 2021-07-30, 20:39:42", "receiver-IP": "10.35.24.1", "receiver-host-interface": "Ethernet1/24", } }</pre>

障害エンドポイント

```

    "vrf": "default",
    "sender-leaf": "172.31.204.98",
    "priority": "LOW",
    "sender-host-interface": "Ethernet1/24",
    "Sender Switch time": "172.31.204.98: 2021-07-30, 20:42:55",
    "sender-IP": "10.1.24.10",
    "fabric": "pmn-soln",
    "receiver-leaf": "172.31.147.161",
    "group": "224.0.255.1",
    "policy": "Default"
  }
}

```

フローの削除

キー	<switchName>^sys/nbm/show/notify/dom-default/event-[FLOW:s-[10.20.100.1]-g-[232.1.1.1]/oif-[Eth1/24]]=
ペイロード	<pre> { "Switch": "<switchName >", "dn": "sys/nbm/show/notify/dom-default/event-[FLOW:s-[10.20.100.1]-g-[232.1.1.1]/oif-[Eth1/24]]", "TimestampReceived": 1627678730095, "Timestamp": 1627678709196, "status": "deleted" } </pre>

IGMP レシーバのフロー作成

キー	Flow.
ペイロード	<pre> { "messageId": 5000, "routingKey": "information.com.cisco.dcnm.event.pmn.create.flow", "header": { "Type": "Flow", "User": "Internal", "Operation Status": "Success", "Event": "Flow created for Source:10.20.202.10, Receiver:10.35.23.10, group:232.20.35.121 in VRF 'default' in Fabric 'pmn-soln'", "Sent At": "2021-07-30, 21:04:41 UTC", "Severity": "Information", "Operation": "Create" }, "data": { "Receiver Switch time": "172.31.147.161: 2021-07-30, 21:02:35", "receiver-IP": "10.35.23.10", "receiver-host-interface": "Ethernet1/23", "vrf": "default", "sender-leaf": "172.31.203.182", "priority": "LOW", "sender-host-interface": "Vlan202", "Sender Switch time": "172.31.203.182: 2021-07-30, 21:02:35", </pre>

障害エンドポイント

```

    "sender-IP": "10.20.202.10",
    "fabric": "pmn-soln",
    "receiver-leaf": "172.31.147.161",
    "group": "232.20.35.121",
    "policy": "Default"
  }
}

```

WAN 送信者のフロー作成

キー

Flow.

ペイロード

```

{
  "messageId": 5000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.flow",
  "header": {
    "Type": "Flow",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow created for Source:11.4.19.1, Receiver:255.255.255.255,
group:232.1.1.100 in VRF 'default' in Fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 21:53:45 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "Receiver Switch time": "172.31.147.161: 2021-07-30, 21:51:26",
    "receiver-IP": "255.255.255.255",
    "receiver-host-interface": "DUMMY",
    "vrf": "default",
    "sender-leaf": "172.31.203.189",
    "priority": "LOW",
    "sender-host-interface": "Ethernet1/1",
    "Sender Switch time": "172.31.203.189: 2021-07-30, 21:51:26",
    "sender-IP": "11.4.19.1",
    "fabric": "pmn-soln",
    "receiver-leaf": "172.31.147.161",
    "group": "232.1.1.100",
    "policy": "Default"
  }
}

```

WAN 送信者のフロー削除

キー

Flow.

ペイロード

```

{
  "messageId": 5003,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.flow",
  "header": {
    "Type": "Flow",
    "User": "Internal",
    "Operation Status": "Success",

```

```

    "Event": "Flow deleted for Source:11.4.19.1, Receiver:255.255.255.255,
group:232.1.1.100 in VRF 'default' in Fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 22:09:59 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "Receiver Switch time": "172.31.147.161: 2021-07-30, 21:51:26",
    "receiver-IP": "255.255.255.255",
    "receiver-host-interface": "DUMMY",
    "vrf": "default",
    "sender-leaf": "172.31.203.189",
    "priority": "LOW",
    "sender-host-interface": "Ethernet1/1",
    "Sender Switch time": "172.31.203.189: 2021-07-30, 21:51:26",
    "sender-IP": "11.4.19.1",
    "fabric": "pmn-soln",
    "receiver-leaf": "172.31.147.161",
    "group": "232.1.1.100",
    "policy": "Default"
  }
}

```

WAN 受信者のフロー作成

キー

Flow.

ペイロード

```

{
  "messageId": 5000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.flow",
  "header": {
    "Type": "Flow",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow created for Source:10.35.23.10, Receiver:11.41.1.2, group:232.1.1.1
in VRF 'default' in Fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 21:53:45 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "Receiver Switch time": "172.31.203.189: 2021-07-30, 21:51:37",
    "receiver-IP": "11.41.1.2",
    "receiver-host-interface": "Ethernet1/1",
    "vrf": "default",
    "sender-leaf": "172.31.147.161",
    "priority": "LOW",
    "sender-host-interface": "Ethernet1/23",
    "Sender Switch time": "172.31.147.161: 2021-07-30, 21:51:37",
    "sender-IP": "10.35.23.10",
    "fabric": "pmn-soln",
    "receiver-leaf": "172.31.203.189",
    "group": "232.1.1.1",
    "policy": "Default"
  }
}

```

```
}
}
```

WAN 受信者のフロー削除

キー

Flow.

ペイロード

```
{
  "messageId": 5003,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.flow",
  "header": {
    "Type": "Flow",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow deleted for Source:10.35.23.10, Receiver:11.41.1.2, group:232.1.1.1 in VRF 'default' in Fabric 'pmn-soln'",
    "Sent At": "2021-07-30, 22:09:59 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "Receiver Switch time": "172.31.203.189: 2021-07-30, 21:51:37",
    "receiver-IP": "11.41.1.2",
    "receiver-host-interface": "Ethernet1/1",
    "vrf": "default",
    "sender-leaf": "172.31.147.161",
    "priority": "LOW",
    "sender-host-interface": "Ethernet1/23",
    "Sender Switch time": "172.31.147.161: 2021-07-30, 21:51:37",
    "sender-IP": "10.35.23.10",
    "fabric": "pmn-soln",
    "receiver-leaf": "172.31.203.189",
    "group": "232.1.1.1",
    "policy": "Default"
  }
}
```

RTP パケット ドロップ

キー

RTPPacketDrop.

ペイロード

```
{
  "messageId": 5203,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.rtppacketdrop",
  "header": {
    "Type": "RTPPacketDrop",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Flow Error deleted for Source:10.1.24.10:22401, Receiver:224.0.255.2:5004 on fabric:pmn-soln and vrf:default",
    "Sent At": "2021-07-30, 19:10:49 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
}
```

```

    "data": {
      "source-port": "22401",
      "bits-per-sec": "25389547",
      "packet-loss": "1",
      "start-time": "09:49:17 PST Jul 30 2021",
      "loss-start": "11:00:43 PST Jul 30 2021",
      "vrf": "default",
      "interface": "Ethernet1/50",
      "destination-ip": "224.0.255.2",
      "switch": "<switchName >",
      "protocol": "17",
      "destination-port": "5004",
      "packet-count": "14297328",
      "fabric": "pmn-soln",
      "source-ip": "10.1.24.10"
    }
  }
}

```

リアルタイム通知の切り替え

暫定フロー：作成

キー	<switchName>sys/nbm/show/notify/dom-default/event-[FLOW:s-[10.20.100.1]-g-[232.1.1.1]/oif-[Eth1/24]]
ペイロード	<pre> { "identifier": "FLOW:s-[10.20.100.1]-g-[232.1.1.1]/oif-[Eth1/24]", "reason": "FLOW Provisioned Successfully", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[FLOW:s-[10.20.100.1]-g-[232.1.1.1]/oif-[Eth1/24]]", "TimestampReceived": 1627678601522, "Timestamp": 1627678580623, "status": "created" } </pre>

暫定フロー：削除

キー	<switchName>^sys/nbm/show/notify/dom-default/event-[FLOW:s-[10.35.23.10]-g-[232.35.20.249]/oif-[Vlan208]]=
ペイロード	<pre> { "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[FLOW:s-[10.35.23.10]-g-[232.35.20.249]/oif-[Vlan208]]", "TimestampReceived": 1627667127792, "Timestamp": 1627522908039, "status": "deleted" } </pre>

障害通知：帯域幅なし

キー	<switchName>^sys/nbm/show/faults/dom-default/faults-[s-[12.1.10.10]-g-[233.11.2.44]]=
ペイロード	<pre>{ "faultReason": "No Bandwidth", "faultResolution": "Please consult documentation", "Switch": "<switchName>", "dn": "sys/nbm/show/faults/dom-default/faults-[s-[12.1.10.10]-g-[233.11.2.44]]", "TimestampReceived": 162766856894, "Timestamp": 1627666103065, "status": "created" }</pre>

障害通告：削除

キー	<switchName>^sys/nbm/show/faults/dom-default/faults-[s-[12.1.10.10]-g-[233.11.1.82]]=
ペイロード	<pre>{ "Switch": "<switchName>", "dn": "sys/nbm/show/faults/dom-default/faults-[s-[12.1.10.10]-g-[233.11.1.82]]", "TimestampReceived": 1627667133432, "Timestamp": 1627666110654, "status": "deleted" }</pre>

障害通告：フローポリシーなし

キー	<switchName>^sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.18.8.11]-if-0/g-[230.1.8.24]]=
ペイロード	<pre>{ "faultReason": "No Flow Policy", "faultResolution": "Please consult documentation", "Switch": "<switchName>", "dn": "sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.18.8.11]-if-0/g-[230.1.8.24]]", "TimestampReceived": 1627671997103, "Timestamp": 1627671528693, "status": "created" }</pre>

ユニキャストルートなし

キー	<switchName>^sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.4.100.10]-if-0/g-[224.1.1.1]]=
ペイロード	<pre>{ "faultReason": "No Unicast Route", "faultResolution": "Please consult documentation", "Switch": "<switchName>", }</pre>

```

    "dn": "sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-
default/h-[10.4.100.10]-if-0/g-[224.1.1.1]]",
    "TimestampReceived": 1629216102484,
    "Timestamp": 1629215922988,
    "status": "created"
  }

```

PTP 修正

キー

```
<switchName>^sys/ptp/correction
```

ペイロード

```

{
  "LastHighCorrectionValue":520,
  "Switch":"<switchName>",
  "MGR":"2",
  "dn":"sys/ptp/correction",
  "TimestampReceived":1692660192763,
  "HighCorrectionCount":1,
  "Timestamp":1692660233026,
  "LastHighCorrectionTime":"Mon Aug 21 23:23:33 2023 439524"
}

```

PTP PortState の変呼応

PTP PortState が Slave から Disabled 状態に変更されました

キー

```
<switchName>^sys/ptp/portstate-[eth1/49]
```

ペイロード

```

{
  "Switch":"<switchName>",
  "StateChange": "",
  "CurrentState":"Disabled",
  "LastPortStateChangeTime":"Mon Aug 21 23:25:58 2023 853968",
  "dn":"sys/ptp/portstate-[eth1/49]",
  "TimestampReceived":1692660318599,
  "Timestamp":1692660358862,
  "Interface":"eth1/49",
  "PreviousState":"Slave",
  "status":"created"
}

```

PTP PortState が Master から Disabled 状態に変更されました

キー

```
<switchName>^sys/ptp/portstate-[eth3/18]
```

ペイロード

```

{
  "スイッチ": "<switchName> ",
  "StateChange": "",
  "CurrentState":"Disabled",
  "LastPortStateChangeTime":"Mon Aug 21 23:25:59 2023 233014",
  "dn":"sys/ptp/portstate-[eth3/18]",
  "TimestampReceived":1692660318977,

```

```

    "Timestamp":1692660359240,
    "Interface":"eth3/18",
    "PreviousState":"Master",
    "status":"created"
  }

```

PTP PortState が Passive から Uncalibrated 状態に変更されました

キー	<code><switchName>^sys/ptp/portstate-[eth1/50]</code>
ペイロード	<pre> { "Switch": "<switchName>", "StateChange": "", "CurrentState": "Uncalibrated", "LastPortStateChangeTime": "Mon Aug 21 23:25:58 2023 854388", "dn": "sys/ptp/portstate-[eth1/50]", "TimestampReceived": 1692660318600, "Timestamp": 1692660358863, "Interface": "eth1/50", "PreviousState": "Passive", "status": "created" } </pre>

PTP PortState が Uncalibrated から Slave 状態に変更されます

キー	<code><switchName>^sys/ptp/portstate-[eth1/50]</code>
ペイロード	<pre> { "Switch": "<switchName>", "CurrentState": "Slave", "LastPortStateChangeTime": "Mon Aug 21 23:25:58 2023 894325", "dn": "sys/ptp/portstate-[eth1/50]", "TimestampReceived": 1692660318633, "Timestamp": 1692660358896, "PreviousState": "Uncalibrated", "status": "modified" } </pre>

PTP PortState が Disabled から Listening 状態に変更されました

キー	<code><switchName>^sys/ptp/portstate-[eth3/18]</code>
ペイロード	<pre> { "Switch": "<switchName>", "CurrentState": "Listening", "LastPortStateChangeTime": "Mon Aug 21 23:26:35 2023 829529", "dn": "sys/ptp/portstate-[eth3/18]", "TimestampReceived": 1692660355571, "Timestamp": 1692660395833, "PreviousState": "Disabled", "status": "modified" } </pre>

PTP PortState が Listening から Pre-Master 状態に変更されました

キー	<code><switchName>^sys/ptp/portstate-[eth3/18]</code>
ペイロード	<pre>{ "Switch": "<switchName>", "CurrentState": "Pre-Master", "LastPortStateChangeTime": "Mon Aug 21 23:26:38 2023 831786", "dn": "sys/ptp/portstate-[eth3/18]", "TimestampReceived": 1692660358570, "Timestamp": 1692660398833, "PreviousState": "Listening", "status": "modified" }</pre>

PTP PortState が Pre-Master から Uncalibrated 状態に変更されました

キー	<code><switchName>^sys/ptp/portstate-[eth1/49]</code>
ペイロード	<pre>{ "Switch": "<switchName>", "CurrentState": "Uncalibrated", "LastPortStateChangeTime": "Mon Aug 21 23:26:41 2023 424916", "dn": "sys/ptp/portstate-[eth1/49]", "TimestampReceived": 1692660361163, "Timestamp": 1692660401426, "PreviousState": "Pre-Master", "status": "modified" }</pre>

PTP ParentChange

キー	<code><switchName>^sys/ptp/parentchange</code>
ペイロード	<pre>{ "CurrentParentId": "28:6f:7f:ff:fe:0a:d3:fd", "LastParentChangeTime": "Mon Aug 21 23:29:12 2023 378848", "Switch": "<switchName>", "PreviousParentId": "2c:f8:9b:ff:fe:98:27:ff", "dn": "sys/ptp/parentchange", "TimestampReceived": 1692660512126, "Timestamp": 1692660552388, "status": "created" }</pre>

PTP GM の変更

キー	<code><switchName>^sys/ptp/gmchange</code>
ペイロード	<pre>{ "CurrentGmId": "08:00:11:ff:fe:22:ff:39", "Switch": "<switchName>", </pre>

```

    "PreviousGmId": "28:6f:7f:ff:fe:0a:d3:fd",
    "dn": "sys/ptp/gmchange",
    "TimestampReceived": 1692660701084,
    "LastGmChangeTime": "Mon Aug 21 23:32:21 2023 344877",
    "Timestamp": 1692660741347,
    "status": "modified"
  }

```

TCAM の未分岐

キー	<switchName>^sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.3.3.10]-if-0/g-[224.1.1.100]]=
ペイロード	<pre> { "faultReason": "No TCAM Carved", "faultResolution": "Please consult documentation", "Switch": "<switchName> ", "dn": "sys/nbm/show/faults/dom-default/faults-[sys/nbm/show/endpoints/dom-default/h-[10.3.3.10]-if-0/g-[224.1.1.100]]", "TimestampReceived": 1629218653504, "Timestamp": 1629218474113, "status": "created" } </pre>

NAT FlowPolicy の不一致：作成

キー	<switchName>^sys/nbm/show/faults/dom-default/faults-[post_s-[10.2.100.1]-post_g-[225.255.255.1]-pre_s-[10.4.2.10]-pre_g-[224.255.255.1]-S[0]-D[0]-egress/if-[eth1/4]]=
ペイロード	<pre> { "faultReason": "変換前と変換後のフローBWの不一致", "faultResolution": "Please consult documentation", "Switch": "<switchName>", "dn": "sys/nbm/show/faults/dom-default/faults-[post_s-[10.2.100.1]-post_g-[225.255.255.1]-pre_s-[10.4.2.10]-pre_g-[224.255.255.1]-S[0]-D[0]-egress/if-[eth1/4]]", "TimestampReceived": 1629232533230, "Timestamp": 1629232353834, "status": "created" } </pre>

NAT FlowPolicy の不一致：削除

キー	<switchName>^sys/nbm/show/faults/dom-default/faults-[post_s-[10.2.100.1]-post_g-[225.255.255.1]-pre_s-[10.4.2.10]-pre_g-[224.255.255.1]-S[0]-D[0]-egress/if-[eth1/4]]=
ペイロード	<pre> { "Switch": "<switchName>", "dn": "sys/nbm/show/faults/dom-default/faults-[post_s-[10.2.100.1]-post_g-[225.255.255.1]-pre_s-[10.4.2.10]-pre_g-[224.255.255.1]-S[0]-D[0]-egress/if-[eth1/4]]", } </pre>

フロー使用率

```

    "TimestampReceived": 1629232653257,
    "Timestamp": 1629232473859,
    "status": "deleted"
  }

```

フロー使用率

フロー使用率が 60% 未満

キー	<switchName>^sys/nbm/show/notify/dom-default/event-[BW:s-10.3.3.10-g-224.1.1.100]
ペイロード	<pre> { "identifier": "BW:s-10.3.3.10-g-224.1.1.100", "reason": "Rate below 60%", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[BW:s-10.3.3.10-g-224.1.1.100]", "TimestampReceived": 1629219104797, "Timestamp": 1629218925397, "status": "created" } </pre>

フロー使用率が 100% を超えている

キー	<switchName>^sys/nbm/show/notify/dom-default/event-[BW:s-10.3.12.10-g-224.1.1.15]=
ペイロード	<pre> { "identifier": "BW:s-10.3.12.10-g-224.1.1.15", "reason": "Rate over 100%", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[BW:s-10.3.12.10-g-224.1.1.15]", "TimestampReceived": 1629230151310, "Timestamp": 1629229971709, "status": "created" } </pre>

リンク使用率

入力リンク使用率が 60% を超えている

キー	<switchName>^sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-INGRESS]=
ペイロード	<pre> { "identifier": "INTF:eth1/12-INGRESS", "reason": "WARNING: INGRESS bw usage is at or above 60%", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-INGRESS]", "TimestampReceived": 1629230289185, "Timestamp": 1629230109792, } </pre>

リンク使用率

```
"status": "created"
}
```

入力リンク使用率が 75% を超える

キー	<code><switchName>^sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-INGRESS]</code>
ペイロード	<pre>{ "identifier": "INTF:eth1/12-INGRESS", "reason": "SEVERE: INGRESS bw usage is at or above 75%", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-INGRESS]", "TimestampReceived": 1629230520124, "Timestamp": 1629230340726, "status": "created" }</pre>

入力リンク使用率が 90% を超えている

キー	<code><switchName>^sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-INGRESS]=</code>
ペイロード	<pre>{ "identifier": "INTF:eth1/12-INGRESS", "reason": "CRITICAL: INGRESS bw usage is at or above 90%", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-INGRESS]", "TimestampReceived": 1629230988331, "Timestamp": 1629230808932, "status": "created" }</pre>

出力リンク使用率が 60% を超えている

キー	<code><switchName>^sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-EGRESS]=</code>
ペイロード	<pre>{ "identifier": "INTF:eth1/12-EGRESS", "reason": "WARNING: EGRESS bw usage is at or above 60%", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-EGRESS]", "TimestampReceived": 1629230940898, "Timestamp": 1629230761502, "status": "created" }</pre>

出力リンク使用率が 75% を超えている

キー	<code><switchName>^sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-EGRESS]</code>
ペイロード	<pre>{ "identifier": "INTF:eth1/12-EGRESS",</pre>

NAT モード

```

    "reason": "SEVERE: EGRESS bw usage is at or above 75%",
    "Switch": "<switchName>",
    "dn": "sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-EGRESS]",
    "TimestampReceived": 1629230880888,
    "Timestamp": 1629230701491,
    "status": "created"
  }

```

出力リンク使用率が 90% を超えている

キー	<code><switchName>^sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-EGRESS]</code>
ペイロード	<pre> { "identifier": "INTF:eth1/12-EGRESS", "reason": "CRITICAL: EGRESS bw usage is at or above 90%", "Switch": "<switchName>", "dn": "sys/nbm/show/notify/dom-default/event-[INTF:eth1/12-EGRESS]", "TimestampReceived": 1629230760854, "Timestamp": 1629230581458, "status": "created" } </pre>

NAT モード

入力 NAT モード：作成

キー	<code>mNatMode.</code>
ペイロード	<pre> { "mode": "Ingress", "switchNameOrIP": "172.31.149.97", "link": "https://172.31.201.84/appcenter/cisco/dcnm/v1/pmn/rest/pmn/switches/172.31.149.97/vrfs/default/groups/224.0.0.0/masks/8/modes/Ingress/natmodes", "vrf": "default", "message": "'Ingress' Multicast NAT Mode for group '224.0.0.0' and mask '8' in VRF 'default' and switch '172.31.149.97' successfully created by admin", "group": "224.0.0.0", "mask": 8 } </pre>

入力 NATモード：展開

キー	<code>mNatMode.</code>
ペイロード	<pre> { "Deployed data": "[default:224.0.0.0/8_Ingress]", "fabric": "pmn-soln", "deployment type": "mNatMode", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

入力 NAT モード：展開解除

キー

mNatMode.

ペイロード

```
{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatMode [default:226.1.1.10/32_Ingress] Undeployment in VRF: 'default' in
Fabric: 'ipfm-fab1' on switch: 172.29.140.138",
    "Sent At": "2024-07-20, 01:19:42 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatMode": [
        {
          "mode": "Ingress",
          "group/mask": "226.1.1.10/32"
        }
      ]
    },
    "fabric": "ipfm-fab1",
    "deployment type": "mNatMode",
    "vrf": "default",
    "switch-ip": "172.29.140.138"
  }
}
```

入力 NAT モード：削除

キー

mNatMode

ペイロード

```
{
  "messageId": 11002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Mode has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:20:26 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatMode": [
      {
        "mode": "Ingress",
        "switchIp": "172.29.140.138",
        "vrf": "default",
      }
    ]
  }
}
```

NAT モード

```

        "group": "226.1.1.10",
        "mask": 32
      }
    ]
  }
}

```

入力 NAT モード：展開の失敗

キー	mNatMode.
ペイロード	<pre> { "Deployed data": "[default:232.0.0.1/24_Ingress]", "fabric": "pmn-soln", "deployment type": "mNatMode", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

出力 NAT モード：作成

キー	mNatMode.
ペイロード	<pre> { "mode": "Egress", "switchNameOrIP": "172.31.149.97", "link": "https://172.31.201.84/appcenter/cisco/dcnm/v1/pmn/rest/pmn/switches/172.31.149.97/vrfs/default/groups/232.0.0.0/masks/8/modes/Egress/natmodes", "vrf": "default", "message": "'Egress' Multicast NAT Mode for group '232.0.0.0' and mask '8' in VRF 'default' and switch '172.31.149.97' successfully created by admin", "group": "232.0.0.0", "mask": 8 } </pre>

出力 NAT モード：展開

キー	mNatMode.
ペイロード	<pre> { "Deployed data": "[default:232.0.0.0/8_Egress]", "fabric": "pmn-soln", "deployment type": "mNatMode", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

出力 NAT モード：展開解除

キー	mNatMode.
----	-----------

NAT モード

ペイロード

```
{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatMode [default:226.1.1.10/32_Egress] Undeployment in VRF: 'default' in Fabric: 'ipfm-fab1' on switch: 172.29.140.138",
    "Sent At": "2024-07-20, 01:23:21 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatMode": [
        {
          "mode": "Egress",
          "group/mask": "226.1.1.10/32"
        }
      ]
    },
    "fabric": "ipfm-fab1",
    "deployment type": "mNatMode",
    "vrf": "default",
    "switch-ip": "172.29.140.138"
  }
}
```

出力 NAT モード：削除

キー

mNatMode.

ペイロード

```
{
  "messageId": 11002,
  "routingKey": "information.com.cisco.dcnm. イベント.pmn.delete.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Mode has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:26:22 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatMode": [
      {
        "mode": "Egress",
        "switchIp": "172.29.140.138",
        "vrf": "default",
        "group": "226.1.1.10",
        "mask": 32
      }
    ]
  }
}
```

NATルール

```
}
}
```

出力 NAT モード：展開の失敗

```
キー      mNatMode.
ペイロード {
  "Deployed data": "[default:232.0.0.1/32_Egress]",
  "fabric": "pmn-soln",
  "deployment type": "mNatMode",
  "vrf": "all vrfs",
  "switch-ip": "172.31.149.97"
}
```

出力 NAT モード：展開解除の失敗

```
キー      mNatMode.
ペイロード {
  "Deployed data": "[default:232.0.0.0/8_Egress]",
  "fabric": "pmn-soln",
  "deployment type": "mNatMode",
  "vrf": "all vrfs",
  "switch-ip": "172.31.149.97"
}
```

NATルール

入力 NAT ルール：作成

```
キー      mNatRule.
ペイロード {
  "destinationPort": 0,
  "switchNameOrIP": "172.31.149.97",
  "sourcePort": 25510,
  "vrf": "default",
  "message": "Multicast NAT Rule has been successfully created by admin",
  "mode": "Ingress",
  "groupMask": 24,
  "staticOif": "N/A",
  "postTranslationGroup": "225.255.1.0",
  "preTranslationSource": "10.32.1.10",
  "sourceMask": 32,
  "postTranslationSource": "10.32.255.1",
  "preTranslationGroup": "225.0.0.0"
}
```

NATルール

入力 NAT ルール：展開

キー	mNatRule
ペイロード	<pre>{ "Deployed data": "[105]", "fabric": "pmn-soln", "deployment type": "mNatRule", "vrf": "all vrfs", "switch-ip": "172.31.149.97" }</pre>

入力 NAT ルール：展開解除

キー	mNatRule.
ペイロード	<pre>{ "Deployed data": "[105]", "fabric": "pmn-soln", "deployment type": "mNatRule", "vrf": "all vrfs", "switch-ip": "172.31.149.97" }</pre>

入力 NAT ルール：削除

キー	mNatRule.
ペイロード	<pre>{ "message": "1 Multicast NAT Rule has been successfully deleted by admin" }</pre>

Ingress NAT Rule – Deploy Failed

キー	mNatRule.
ペイロード	<pre>{ "Deployed data": "[107]", "fabric": "pmn-soln", "deployment type": "mNatRule", "vrf": "all vrfs", "switch-ip": "172.31.149.97" }</pre>

出力 NAT ルール：作成

キー	mNatRule.
ペイロード	<pre>{ "destinationPort": 30000, "switchNameOrIP": "172.31.149.97", "sourcePort": 10000, }</pre>

NATルール

```

    "link": "https://172.31.201.84/appcenter/cisco/dcnm/v1/pmn/rest/pmn/switches/
172.31.149.97/vrfs/default/modes/Egress/preTranslationGroups/232.232.1.100/
postTranslationGroups/232.232.255.100/preTranslationSources/10.31.1.10/
postTranslationSources/10.32.100.1/groupMasks/32/sourceMasks/32/
sourcePorts/10000/destinationPorts/30000/staticOifs/Ethernet1/1/natrules",
    "vrf": "default",
    "message": "Multicast NAT Rule has been successfully created by admin",
    "mode": "Egress",
    "groupMask": 32,
    "staticOif": "Ethernet1/1",
    "postTranslationGroup": "232.232.255.100",
    "preTranslationSource": "10.31.1.10",
    "sourceMask": 32,
    "postTranslationSource": "10.32.100.1",
    "preTranslationGroup": "232.232.1.100"
  }

```

出力 NAT ルール：展開

キー	mNatRule.
ペイロード	<pre> { "Deployed data": "[114]", "fabric": "pmn-soln", "deployment type": "mNatRule", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

出力 NAT ルール：展開解除

キー	mNatRule.
ペイロード	<pre> { "Deployed data": "[114]", "fabric": "pmn-soln", "deployment type": "mNatRule", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

出力 NAT ルール：削除

キー	mNatRule.
ペイロード	<pre> { "message": "1 Multicast NAT Rule has been successfully deleted by admin" } </pre>

NAT マッピングの構成

出力 NAT ルール：失敗

キー	mNatRule.
ペイロード	<pre>{ "展開されたデータ": "[116]", "fabric": "pmn-soln", "deployment type": "mNatRule", "vrf": "all vrfs", "switch-ip": "172.31.149.97" }</pre>

NAT マッピングの構成

出力マッピングの構成：作成

キー	mNatEgressIfMap.
ペイロード	<pre>{ "switchNameOrIP": "172.31.149.97", "egressInterfaces": ["Ethernet1/1"], "link": "https://172.31.201.84/appcenter/cisco/dcnm/v1/pmn/rest/pmn/switches/172.31.149.97/mapInterface/eth1/13/egressInterfaces/ethernet1/1/maxReplications/40/nategressifmaps", "mapInterface": "Ethernet1/13", "maxReplications": 40, "message": "Multicast NAT Egress Interface Mappings successfully created by admin" }</pre>

出力マッピング構成：展開

キー	mNatEgressIfMap.
ペイロード	<pre>{ "Deployed data": "[109]", "fabric": "pmn-soln", "deployment type": "mNatEgressIfMap", "vrf": "all vrfs", "switch-ip": "172.31.149.97" }</pre>

出力マッピング構成：更新

キー	mNatEgressIfMap.
ペイロード	<pre>{ "switchNameOrIP": "172.31.149.97", "egressInterfaces": ["Ethernet1/1", </pre>

```

    "Ethernet1/9"
  ],
  "link": "https://172.31.201.84/appcenter/cisco/dcnm/v1/pmn/rest/pmn/switches/
172.31.149.97/mapInterface/eth1/13/egressInterfaces/ethernet1/
1,ethernet1/9/maxReplications/40/nategressifmaps",
  "mapInterface": "Ethernet1/13",
  "maxReplications": 40,
  "message": "Multicast NAT Egress Interface Mappings successfully updated by admin"
}

```

出力マッピング構成：削除

キー	mNatEgressIfMap.
ペイロード	<pre> { "message": "1 Multicast NAT Egress Interface Mapping has been successfully deleted by admin" } </pre>

出力マッピング構成：展開解除

キー	mNatEgressIfMap.
ペイロード	<pre> { "Deployed data": "[111]", "fabric": "pmn-soln", "deployment type": "mNatEgressIfMap", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

出力マッピング構成：展開の失敗

キー	mNatEgressIfMap.
ペイロード	<pre> { "Deployed data": "[112]", "fabric": "pmn-soln", "deployment type": "mNatEgressIfMap", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

出力マッピング構成 - 展開解除の失敗

キー	mNatEgressIfMap.
ペイロード	<pre> { "Deployed data": "[110]", "fabric": "pmn-soln", "deployment type": "mNatEgressIfMap", </pre>

```

    "vrf": "all vrfs",
    "switch-ip": "172.31.149.97"
  }

```

出力マッピング構成：すべてのマッピングの作成

キー	mNatEgressIfMap.
ペイロード	<pre> { "switchNameOrIP": "172.31.149.97", "egressInterfaces": [["all"], "link": "https://172.31.201.84/appcenter/cisco/dcnm/v1/pmn/rest/pmn/switches/172.31.149.97/mapInterface/eth1/33/egressInterfaces/all/maxReplications/40 /nategressifmaps", "mapInterface": "Ethernet1/33", "maxReplications": 40, "message": "Multicast NAT Egress Interface Mappings successfully created by admin"] } </pre>

出力マッピングの構成：すべての INTF マッピングの展開

キー	mNatEgressIfMap.
ペイロード	<pre> { "Deployed data": "[113]", "fabric": "pmn-soln", "deployment type": "mNatEgressIfMap", "vrf": "all vrfs", "switch-ip": "172.31.149.97" } </pre>

マルチキャストからユニキャスト NAT

NAT モード - 作成

キー	mNatMode.
ペイロード	<pre> { "messageId": 11000, "routingKey": "information.com.cisco.dcnm. イベント.pmn.create.mnatmode", "header": { "Type": "mNatMode", "User": "Internal", "Operation Status": "Success", "Event": "'Egress' Multicast NAT Mode for group '229.0.0.0' and mask '8' in VRF 'vrf3' and switch '172.22.198.10' successfully created by admin", "Sent At": "2022-06-09, 18:36:16 UTC", "Severity": "Information", "Operation": "Create" } } </pre>

```

    },
    "data": {
      "mode": "Egress",
      "switchNameOrIP": "172.22.198.10",
      "link":
        "https://172.28.49.176/appcenter/cisco/ndfc/api/v1/pmn/switches/172.22.198.10/
        vrf3/vrf3/groups/229.0.0.0/masks/8/modes/Egress/natmodes",
      "vrf": "vrf3",
      "message": "'Egress' Multicast NAT Mode for group '229.0.0.0' and mask '8' in VRF
        'vrf3' and switch '172.22.198.10' successfully created by admin",
      "group": "229.0.0.0",
      "mask": 8
    }
  }
}

```

キー

ペイロード

```

mNatMode.
{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatMode [vrf3:229.0.0.0/8_Egress] Deployment in VRF: 'vrf3' in Fabric:
    'munat-active' on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:36:17 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatMode": [
        {
          "mode": "Egress",
          "group/mask": "229.0.0.0/8"
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatMode",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

NAT モード : 展開

キー

ペイロード

```

mNatMode.
{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatmode",

```

```

    "header": {
      "Type": "mNatMode",
      "User": "Internal",
      "Operation Status": "Success",
      "Event": "mNatMode [vrf3:229.0.0.0/8_Egress] Deployment in VRF: 'vrf3' in Fabric:
'munat-active' on switch: 172.22.198.10",
      "Sent At": "2022-06-09, 18:37:55 UTC",
      "Severity": "Information",
      "Operation": "Deploy"
    },
    "data": {
      "Deployed data": {
        "mNatMode": [
          {
            "mode": "Egress",
            "group/mask": "229.0.0.0/8"
          }
        ]
      },
      "fabric": "munat-active",
      "deployment type": "mNatMode",
      "vrf": "vrf3",
      "switch-ip": "172.22.198.10"
    }
  }
}

```

NAT モード : 展開解除

キー

ペイロード

```

mNatMode.
{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatMode [vrf3:229.0.0.0/8_Egress] Undeployment in VRF: 'vrf3' in Fabric:
'munat-active' on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:38:44 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatMode": [
        {
          "mode": "Egress",
          "group/mask": "229.0.0.0/8"
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatMode",
    "vrf": "vrf3",
  }
}

```

```
    "switch-ip": "172.22.198.10"
  }
}
```

入力 NAT モード：作成

キー

mNatMode.

ペイロード

```
{
  "messageId": 11000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "'Ingress' Multicast NAT Mode for group '227.0.0.0' and mask '8' in VRF 'vrf4' and switch '172.22.198.10' successfully created by admin",
    "Sent At": "2022-06-09, 18:39:56 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "mode": "Ingress",
    "switchNameOrIP": "172.22.198.10",
    "link":
      "https://172.28.49.176/appcenter/cisco/ndfc/api/v1/pmn/switches/172.22.198.10/vrfs/vrf4/groups/227.0.0.0/masks/8/modes/Ingress/natmodes",
    "vrf": "vrf4",
    "message": "'Ingress' Multicast NAT Mode for group '227.0.0.0' and mask '8' in VRF 'vrf4' and switch '172.22.198.10' successfully created by admin",
    "group": "227.0.0.0",
    "mask": 8
  }
}
```

キー

mNatMode.

ペイロード

```
{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatMode [vrf4:227.0.0.0/8_Ingress] Deployment in VRF: 'vrf4' in Fabric: 'munat-active' on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:39:56 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatMode": [

```

```

    {
      "mode": "Ingress",
      "group/mask": "227.0.0.0/8"
    }
  ],
  "fabric": "munat-active",
  "deployment type": "mNatMode",
  "vrf": "vrf4",
  "switch-ip": "172.22.198.10"
}
}

```

入力 NAT モード：展開

キー

mNatMode.

ペイロード

```

{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatmode",
  "header": {
    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatMode [vrf4:227.0.0.0/8_Ingress] Deployment in VRF: 'vrf4' in Fabric: 'munat-active' on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:41:05 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatMode": [
        {
          "mode": "Ingress",
          "group/mask": "227.0.0.0/8"
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatMode",
    "vrf": "vrf4",
    "switch-ip": "172.22.198.10"
  }
}

```

入力 NAT モード：展開解除

キー

mNatMode.

ペイロード

```

{
  "messageId": 11006,
  "routingKey": "information.com.cisco.dcnm. イベント. pmn. undeploy.mnatmode",
  "header": {

```

```

    "Type": "mNatMode",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatMode [vrf4:227.0.0.0/8_Ingress] Undeployment in VRF: 'vrf4' in Fabric:
'munat-active' on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:41:36 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatMode": [
        {
          "mode": "Ingress",
          "group/mask": "227.0.0.0/8"
        }
      ]
    }
  },
  "fabric": "munat-active",
  "deployment type": "mNatMode",
  "vrf": "vrf4",
  "switch-ip": "172.22.198.10"
}
}

```

出力 NAT モード：展開解除

キー

ペイロード

```

mNatEgressIfMap.
{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatEgressIfMap [495460] Undeployment in VRF: 'default' in Fabric: 'ipfm-
fab1' on switch: 172.29.140.138",
    "Sent At": "2024-07-20, 01:36:50 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "destinationPrefix": "10.1.1.10/32",
          "mapInterface": "Ethernet1/16",
          "maxReplications": 40
        }
      ]
    }
  },
  "fabric": "ipfm-fab1",
  "deployment type": "mNatEgressIfMap",
}

```

```

    "vrf": "default",
    "switch-ip": "172.29.140.138"
  }
}

```

出力 NAT モード：削除

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Recirc Mapping has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:37:32 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatEgressIfMap": [
      {
        "destinationPrefix": "10.1.1.10/32",
        "mapInterface": "Ethernet1/16",
        "vrf": "default",
        "maxReplications": 40,
        "switch-ip": "172.29.140.138"
      }
    ]
  }
}

```

再循環マッピング：作成

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Multicast NAT Recirc Mappings successfully created by admin",
    "Sent At": "2022-06-09, 18:48:16 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "switchNameOrIP": "172.22.198.10",
    "egressInterfaces": [],
    "destinationPrefix": "1.1.1.0/24",
  }
}

```

```

    "link":
    "https://172.28.49.176/appcenter/cisco/ndfc/api/v1/pmn/switches/172.22.198.10/vrfs/
vrf3/mapInterface/eth1%2F1/destPrefix/1.1.1.0%2F24/maxReplications/4/nategressifmaps",
    "mapInterface": "Ethernet1/1",
    "vrf": "vrf3",
    "maxReplications": 4,
    "message": "Multicast NAT Recirc Mappings successfully created by admin"
  }
}

```

キー

ペイロード

```

mNatEgressIfMap.
{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatEgressIfMap [103] Deployment in VRF: 'vrf3' in Fabric: 'munat-active'
on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:48:17 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "destinationPrefix": "10.1.1.10/32",
          "mapInterface": "Ethernet1/1",
          "maxReplications": 4
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatEgressIfMap",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

マッピングの再循環：展開

キー

ペイロード

```

mNatEgressIfMap.
{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",

```

```

    "Event": "mNatEgressIfMap [103] Deployment in VRF: 'vrf3' in Fabric: 'munat-active'
on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:49:34 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "destinationPrefix": "1.1.1.0/24",
          "mapInterface": "Ethernet1/1",
          "maxReplications": 4
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatEgressIfMap",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

出力マッピング構成：展開解除

キー

ペイロード

```

mNatEgressIfMap.
{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatEgressIfMap [103] Undeployment in VRF: 'vrf3' in Fabric: 'munat-active'
on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:50:16 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "destinationPrefix": "1.1.1.0/24",
          "mapInterface": "Ethernet1/1",
          "maxReplications": 4
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatEgressIfMap",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

```
}
```

出力マッピング構成：削除

キー

mNatEgressIfMap.

ペイロード

```
{
  "messageId": 12002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Recirc Mapping has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:37:32 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatEgressIfMap": [
      {
        "destinationPrefix": "10.1.1.10/32",
        "mapInterface": "Ethernet1/16",
        "vrf": "default",
        "maxReplications": 40,
        "switch-ip": "172.29.140.138"
      }
    ]
  }
}
```

NAT SR ルール：作成

キー

mNatRule.

ペイロード

```
{
  "messageId": 13000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Multicast NAT Rule has been successfully created by admin",
    "Sent At": "2022-06-09, 18:43:25 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "destinationPort": 0,
    "switchNameOrIP": "172.22.198.10",
    "sourcePort": 10000,
    "vrf": "vrf3",
    "message": "Multicast NAT Rule has been successfully created by admin",
  }
}
```

```

    "mode": "N/A",
    "groupMask": 32,
    "staticOif": "N/A",
    "postTranslationGroup": "1.1.1.1",
    "preTranslationSource": "2.2.2.2",
    "sourceMask": 32,
    "postTranslationSource": "3.3.3.3",
    "preTranslationGroup": "229.1.1.1"
  }
}

```

キー

ペイロード

```

mNatRule.
{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [102] Deployment in VRF: 'vrf3' in Fabric: 'munat-active' on
switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:43:26 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatRule": [
        {
          "mode": "N/A",
          "destinationPort": 0,
          "sourcePort": 10000,
          "groupMask": 32,
          "staticOif": "N/A",
          "postTranslationGroup": "1.1.1.1",
          "preTranslationSource": "2.2.2.2",
          "sourceMask": 32,
          "postTranslationSource": "3.3.3.3",
          "preTranslationGroup": "229.1.1.1"
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatRule",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

NAT SR ルール : 展開

キー

mNatRule.

ペイロード

```
{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [102] Deployment in VRF: 'vrf3' in Fabric: 'munat-active' on
switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:44:41 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatRule": [
        {
          "mode": "N/A",
          "destinationPort": 0,
          "sourcePort": 10000,
          "groupMask": 32,
          "staticOif": "N/A",
          "postTranslationGroup": "1.1.1.1",
          "preTranslationSource": "2.2.2.2",
          "sourceMask": 32,
          "postTranslationSource": "3.3.3.3",
          "preTranslationGroup": "229.1.1.1"
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatRule",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}
```

NAT SR ルール：展開解除

キー

mNatRule.

ペイロード

```
{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [495510] Undeployment in VRF: 'default' in Fabric: 'ipfm-fab1' on
switch: 172.29.140.138",
    "Sent At": "2024-07-20, 01:54:56 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
}
```

```

"data": {
  "Deployed data": {
    "mNatRule": [
      {
        "mode": "N/A",
        "destinationPort": 0,
        "sourcePort": 0,
        "groupMask": 32,
        "staticOif": "N/A",
        "postTranslationGroup": "10.1.1.10",
        "preTranslationSource": "7.7.7.7",
        "sourceMask": 32,
        "postTranslationSource": "8.8.8.8",
        "preTranslationGroup": "226.1.1.10"
      }
    ]
  },
  "fabric": "ipfm-fab1",
  "deployment type": "mNatRule",
  "vrf": "default",
  "switch-ip": "172.29.140.138"
}
}

```

NAT SR ルール : 削除

キー

mNatRule.

ペイロード

```

{
  "messageId": 13002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Rule has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:55:25 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatRule": [
      {
        "mode": "N/A",
        "destinationPort": 0,
        "sourcePort": 0,
        "groupMask": 32,
        "staticOif": "N/A",
        "postTranslationGroup": "10.1.1.10",
        "preTranslationSource": "7.7.7.7",
        "sourceMask": 32,
        "vrf": "default",
        "postTranslationSource": "8.8.8.8",
        "switch-ip": "172.29.140.138",
        "preTranslationGroup": "226.1.1.10"
      }
    ]
  }
}

```

```

    }
  ]
}
}

```

ユニキャストからマルチキャスト NAT へ

出力マッピングの再循環：展開解除

キー	mNatEgressIfMap.
ペイロード	<pre> { "messageId": 12006, "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnategressifmap", "header": { "Type": "mNatEgressIfMap", "User": "Internal", "Operation Status": "Success", "Event": "mNatEgressIfMap [495470] Undeployment in VRF: 'default' in Fabric: 'ipfm-fab1' on switch: 172.29.140.138", "Sent At": "2024-07-20, 01:41:04 UTC", "Severity": "Information", "Operation": "UnDeploy" }, "data": { "Deployed data": { "mNatEgressIfMap": [{ "destinationPrefix": "10.1.1.10/32", "mapInterface": "Ethernet1/15", "maxReplications": 40 }] } }, "fabric": "ipfm-fab1", "deployment type": "mNatEgressIfMap", "vrf": "default", "switch-ip": "172.29.140.138" } </pre>

再循環出力マッピング：削除

キー	mNatEgressIfMap.
ペイロード	<pre> { "messageId": 12002, "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnategressifmap", "header": { "Type": "mNatEgressIfMap", "User": "Internal", "Operation Status": "Success", </pre>

```

    "Event": "1 Multicast NAT Recirc Mapping has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:41:30 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatEgressIfMap": [
      {
        "destinationPrefix": "226.1.1.10/32",
        "mapInterface": "Ethernet1/15",
        "vrf": "default",
        "maxReplications": 40,
        "switch-ip": "172.29.140.138"
      }
    ]
  }
}

```

再循環マッピング：作成

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Multicast NAT Recirc Mappings successfully created by admin",
    "Sent At": "2022-06-09, 18:54:39 UTC",
    "Severity": "Information",
    "Operation": "Create"
  },
  "data": {
    "switchNameOrIP": "172.22.198.10",
    "egressInterfaces": [],
    "destinationPrefix": "225.0.0.0/8",
    "link":
      "https://172.28.49.176/appcenter/cisco/ndfc/api/v1/pmn/switches/172.22.198.10/vrfs/vrf3
      /mapInterface/eth1%2F2/destPrefix/225.0.0.0%2F8/maxReplications/4/nategressifmaps",
    "mapInterface": "Ethernet1/2",
    "vrf": "vrf3",
    "maxReplications": 4,
    "message": "Multicast NAT Recirc Mappings successfully created by admin"
  }
}

```

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnategressifmap",
  "header": {

```

```

    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatEgressIfMap [105] Deployment in VRF: 'vrf3' in Fabric: 'munat-active'
on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:54:39 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "destinationPrefix": "225.0.0.0/8",
          "mapInterface": "Ethernet1/2",
          "maxReplications": 4
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatEgressIfMap",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

マッピングの再循環：展開

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatEgressIfMap [105] Deployment in VRF: 'vrf3' in Fabric: 'munat-active' on
switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:55:32 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "destinationPrefix": "225.0.0.0/8",
          "mapInterface": "Ethernet1/2",
          "maxReplications": 4
        }
      ]
    },
    "fabric": "munat-active",
  }
}

```

```

    "deployment type": "mNatEgressIfMap",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

再循環マッピング：展開解除

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatEgressIfMap [105] Undeployment in VRF: 'vrf3' in Fabric: 'munat-active' on switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:56:10 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "destinationPrefix": "225.0.0.0/8",
          "mapInterface": "Ethernet1/2",
          "maxReplications": 4
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatEgressIfMap",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

NAT SR ルール：作成

キー

mNatRule.

ペイロード

```

{
  "messageId": 13000,
  "routingKey": "information.com.cisco.dcnm.event.pmn.create.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "Multicast NAT Rule has been successfully created by admin",
    "Sent At": "2022-06-09, 18:57:44 UTC",
    "Severity": "Information",
  }
}

```

```

    "Operation": "Create"
  },
  "data": {
    "destinationPort": 0,
    "switchNameOrIP": "172.22.198.10",
    "sourcePort": 0,
    "vrf": "vrf3",
    "message": "Multicast NAT Rule has been successfully created by admin",
    "mode": "N/A",
    "groupMask": 32,
    "staticOif": "N/A",
    "postTranslationGroup": "227.1.1.1",
    "preTranslationSource": "6.6.6.6",
    "sourceMask": 32,
    "postTranslationSource": "7.7.7.7",
    "preTranslationGroup": "3.1.1.1"
  }
}

```

キー

ペイロード

```

mNatRule.
{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [106] Deployment in VRF: 'vrf3' in Fabric: 'munat-active' on
switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:57:45 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatRule": [
        {
          "mode": "N/A",
          "destinationPort": 0,
          "sourcePort": 0,
          "groupMask": 32,
          "staticOif": "N/A",
          "postTranslationGroup": "227.1.1.1",
          "preTranslationSource": "6.6.6.6",
          "sourceMask": 32,
          "postTranslationSource": "7.7.7.7",
          "preTranslationGroup": "3.1.1.1"
        }
      ]
    }
  },
  "fabric": "munat-active",
  "deployment type": "mNatRule",
  "vrf": "vrf3",

```

```

    "switch-ip": "172.22.198.10"
  }
}

```

NAT SR ルール：展開

キー

mNatRule.

ペイロード

```

{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.deploy.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [106] Deployment in VRF: 'vrf3' in Fabric: 'munat-active' on
switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:58:47 UTC",
    "Severity": "Information",
    "Operation": "Deploy"
  },
  "data": {
    "Deployed data": {
      "mNatRule": [
        {
          "mode": "N/A",
          "destinationPort": 0,
          "sourcePort": 0,
          "groupMask": 32,
          "staticOif": "N/A",
          "postTranslationGroup": "227.1.1.1",
          "preTranslationSource": "6.6.6.6",
          "sourceMask": 32,
          "postTranslationSource": "7.7.7.7",
          "preTranslationGroup": "3.1.1.1"
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatRule",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

NAT SR ルール：展開解除

キー

mNatRule.

ペイロード

```

{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnatrule",
  "header": {
    "Type": "mNatRule",

```

```

    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [106] Undeployment in VRF: 'vrf3' in Fabric: 'munat-active' on
switch: 172.22.198.10",
    "Sent At": "2022-06-09, 18:59:21 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatRule": [
        {
          "mode": "N/A",
          "destinationPort": 0,
          "sourcePort": 0,
          "groupMask": 32,
          "staticOif": "N/A",
          "postTranslationGroup": "227.1.1.1",
          "preTranslationSource": "6.6.6.6",
          "sourceMask": 32,
          "postTranslationSource": "7.7.7.7",
          "preTranslationGroup": "3.1.1.1"
        }
      ]
    },
    "fabric": "munat-active",
    "deployment type": "mNatRule",
    "vrf": "vrf3",
    "switch-ip": "172.22.198.10"
  }
}

```

NAT SR ルール : 削除

キー

ペイロード

```

mNatRule.
{
  "messageId": 13002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Rule has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:58:29 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatRule": [
      {
        "mode": "N/A",
        "destinationPort": 0,
        "sourcePort": 0,

```

```

        "groupMask": 32,
        "staticOif": "N/A",
        "postTranslationGroup": "10.1.1.10",
        "preTranslationSource": "7.7.7.7",
        "sourceMask": 32,
        "vrf": "default",
        "postTranslationSource": "8.8.8.8",
        "switch-ip": "172.29.140.138",
        "preTranslationGroup": "226.1.1.10"
    }
}
]
}

```

マルチキャストからマルチキャスト NAT

入力 NAT ルール：展開解除

キー

ペイロード

```

mNatRule.
{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [495480] Undeployment in VRF: 'default' in Fabric: 'ipfm-fab1' on
switch: 172.29.140.138",
    "Sent At": "2024-07-20, 01:46:49 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatRule": [
        {
          "mode" : "Ingress",
          "destinationPort": 0,
          "sourcePort": 0,
          "groupMask": 32,
          "staticOif": "N/A",
          "postTranslationGroup": "231.1.1.10",
          "preTranslationSource": "7.7.7.7",
          "sourceMask": 32,
          "postTranslationSource": "8.8.8.8",
          "preTranslationGroup": "226.1.1.10"
        }
      ]
    },
    "fabric": "ipfm-fab1",
    "deployment type": "mNatRule",
    "vrf": "default",
    "switch-ip": "172.29.140.138"
  }
}

```

}

入力 NAT ルール：削除

キー

mNatRule.

ペイロード

```
{
  "messageId": 13002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Rule has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:47:25 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatRule": [
      {
        "mode": "Ingress",
        "destinationPort": 0,
        "sourcePort": 0,
        "groupMask": 32,
        "staticOif": "N/A",
        "postTranslationGroup": "231.1.1.10",
        "preTranslationSource": "7.7.7.7",
        "sourceMask": 32,
        "vrf": "default",
        "postTranslationSource": "8.8.8.8",
        "switch-ip": "172.29.140.138",
        "preTranslationGroup": "226.1.1.10"
      }
    ]
  }
}
```

出力 NAT ルール：展開解除

キー

mNatRule.

ペイロード

```
{
  "messageId": 13006,
  "routingKey": "information.com.cisco.dcnm. イベント.pmn.undeploy.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatRule [495500] Undeployment in VRF: 'default' in Fabric: 'ipfm-fab1' on switch: 172.29.140.138",
    "Sent At": "2024-07-20, 01:52:29 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  }
}
```

```

    },
    "data": {
      "Deployed data": {
        "mNatRule": [
          {
            "mode": "Egress",
            "destinationPort": 0,
            "sourcePort": 0,
            "groupMask": 32,
            "staticOif": "Ethernet1/15",
            "postTranslationGroup": "231.1.1.10",
            "preTranslationSource": "7.7.7.7",
            "sourceMask": 32,
            "postTranslationSource": "8.8.8.8",
            "preTranslationGroup": "226.1.1.10"
          }
        ]
      }
    },
    "fabric": "ipfm-fab1",
    "deployment type": "mNatRule",
    "vrf": "default",
    "switch-ip": "172.29.140.138"
  }
}

```

出力 NAT ルール：削除

キー

ペイロード

```

mNatRule.
{
  "messageId": 13002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnatrule",
  "header": {
    "Type": "mNatRule",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "1 Multicast NAT Rule has been successfully deleted by admin",
    "Sent At": "2024-07-20, 01:53:00 UTC",
    "Severity": "Information",
    "Operation": "Delete"
  },
  "data": {
    "mNatRule": [
      {
        "mode": "Egress",
        "destinationPort": 0,
        "sourcePort": 0,
        "groupMask": 32,
        "staticOif": "Ethernet1/15",
        "postTranslationGroup": "231.1.1.10",
        "preTranslationSource": "7.7.7.7",
        "sourceMask": 32,
        "vrf": "default",
        "postTranslationSource": "8.8.8.8",
        "switch-ip": "172.29.140.138",

```

```

        "preTranslationGroup": "226.1.1.10"
      }
    ]
  }
}

```

出力マッピング：展開解除

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12006,
  "routingKey": "information.com.cisco.dcnm.event.pmn.undeploy.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",
    "Event": "mNatEgressIfMap [495450] Undeployment in VRF: 'default' in Fabric: 'ipfm-fab1' on switch: 172.29.140.138",
    "Sent At": "2024-07-20, 01:33:17 UTC",
    "Severity": "Information",
    "Operation": "UnDeploy"
  },
  "data": {
    "Deployed data": {
      "mNatEgressIfMap": [
        {
          "egressInterfaces": [
            "Ethernet1/15"
          ],
          "mapInterface": "Ethernet1/16",
          "maxReplications": 40
        }
      ]
    },
    "fabric": "ipfm-fab1",
    "deployment type": "mNatEgressIfMap",
    "vrf": "default",
    "switch-ip": "172.29.140.138"
  }
}

```

出力マッピング：削除

キー

mNatEgressIfMap.

ペイロード

```

{
  "messageId": 12002,
  "routingKey": "information.com.cisco.dcnm.event.pmn.delete.mnategressifmap",
  "header": {
    "Type": "mNatEgressIfMap",
    "User": "Internal",
    "Operation Status": "Success",

```

```
"Event": "1 Multicast NAT Recirc Mapping has been successfully deleted by admin",
"Sent At": "2024-07-20, 01:34:06 UTC",
"Severity": "Information",
"Operation": "Delete"
},
"data": {
  "mNatEgressIfMap": [
    {
      "egressInterfaces": [
        "Ethernet1/15"
      ],
      "mapInterface": "Ethernet1/16",
      "vrf": "default",
      "maxReplications": 40,
      "switch-ip": "172.29.140.138"
    }
  ]
}
```

法的情報

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