# 驗證流量感測器NetFlow模板和資訊元素

## 目錄

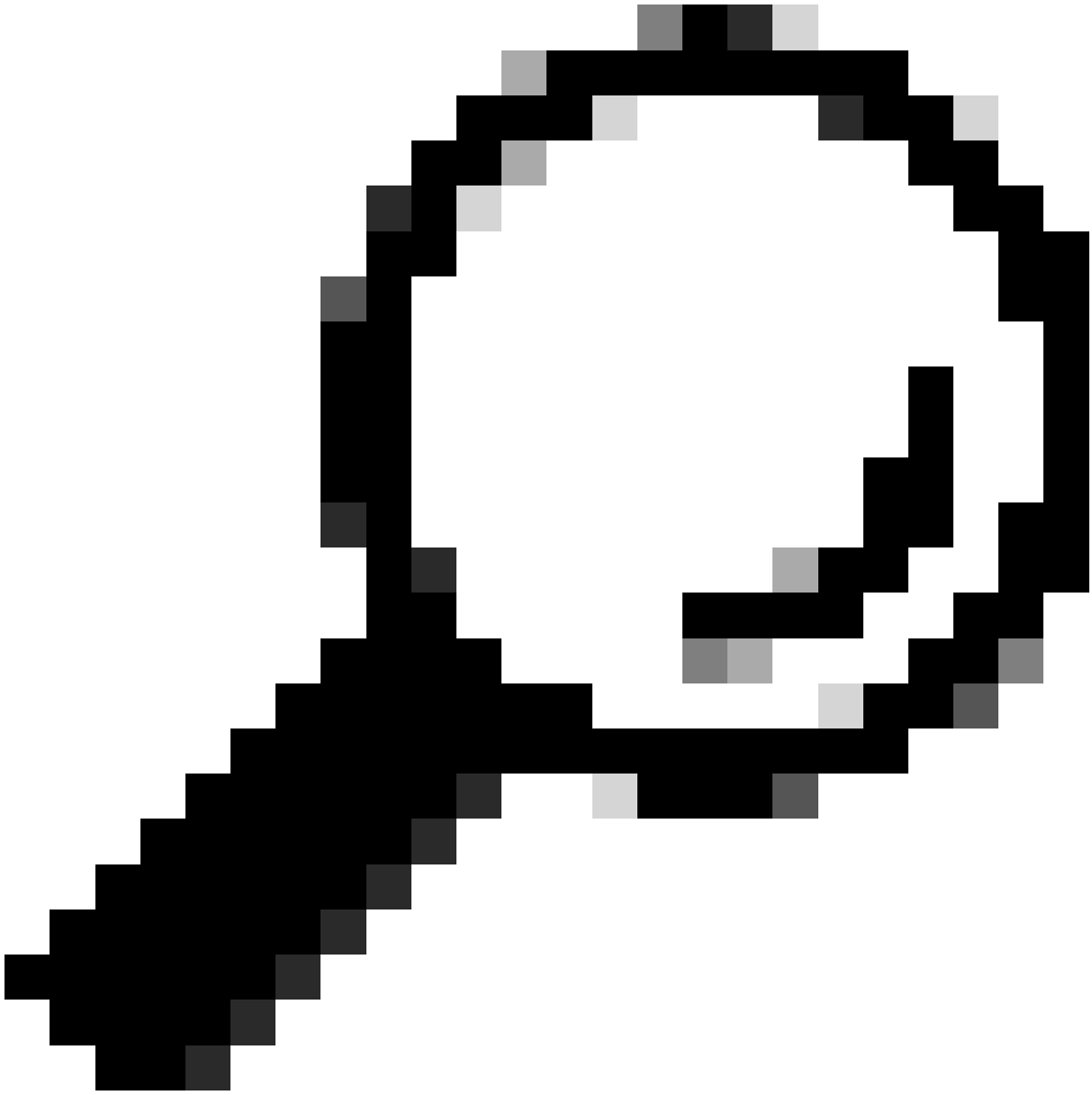
# 簡介

本文檔介紹SNA流量感測器使用的NetFlow模板，其中包括有關企業特定元素的資訊。

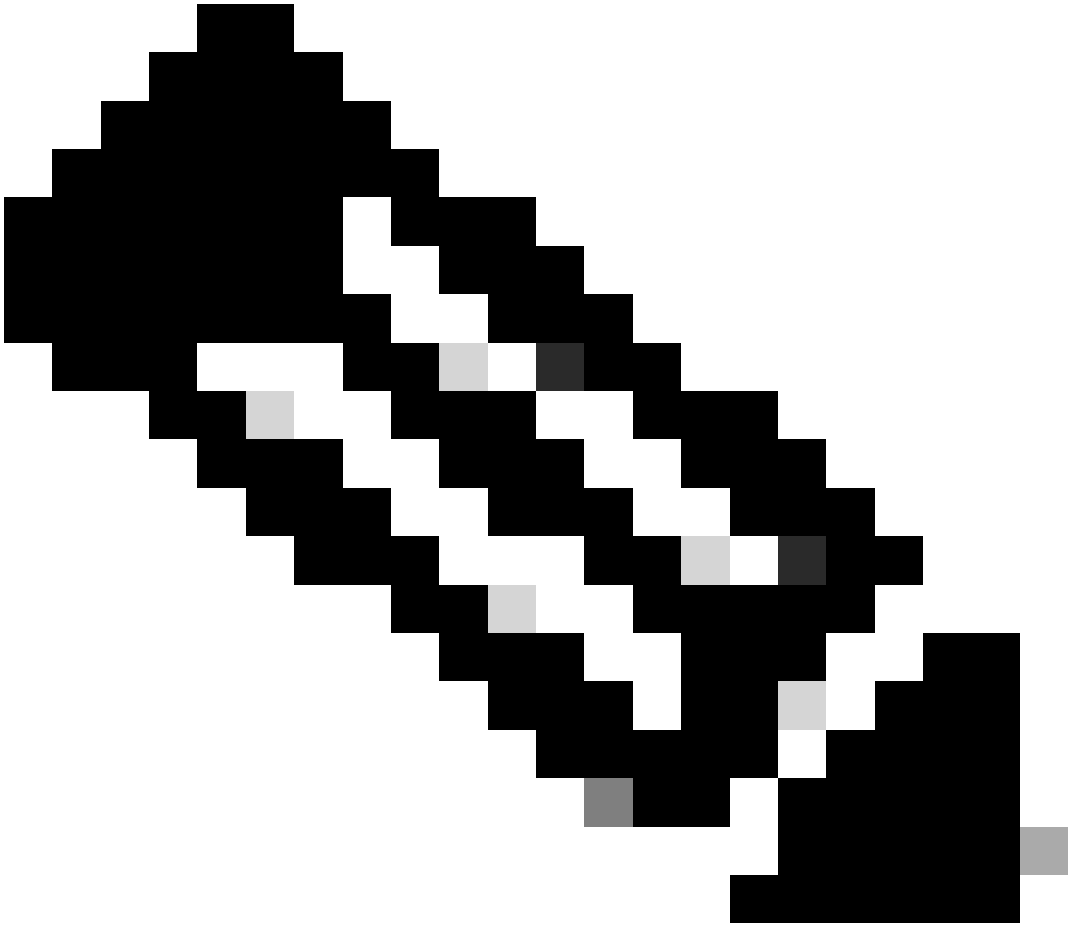
# 必要條件

此處使用的NetFlow元素ID是標準的NetFlow協定，但模板資訊以及每個模板中包含的元素隨時可能更改。

# 範本ID



提示：從SNA版本7.3開始，預設情況下，流量感測器似乎只傳送模板ID 335-352，即IPFIX模板。所有IPFIX模板每60秒一起傳送，無論流量感測器的監控埠看到的流量型別如何（例如IPv4與IPv6）。



注意：旁邊帶有星號(*)的模板包含IANA清單上用於標準流建立和分析的基本NetFlow v9/IPFIX欄位。

```
IPV4_FIRST_FLOW_TEMPLATE_ID                    317*
IPV4_FIRST_FLOW_DEEP_TEMPLATE_ID              318*
IPV4_FLOW_TEMPLATE_ID                          319*
IPV4_EVENT_TEMPLATE_ID                         320
IPV6_FIRST_FLOW_TEMPLATE_ID                    321*
IPV6_FIRST_FLOW_DEEP_TEMPLATE_ID              322*
IPV6_FLOW_TEMPLATE_ID                          323*
IPV6_EVENT_TEMPLATE_ID                         324
IPV4_SRC_EMAIL_COUNTS_TEMPLATE_ID              325
IPV4_FIRST_FLOW_RTM_TEMPLATE_ID                326*
IPV4_FIRST_FLOW_DEEP_RTM_TEMPLATE_ID          327*
IPV4_FLOW_RTM_TEMPLATE_ID                      328*
IPV6_FIRST_FLOW_RTM_TEMPLATE_ID                329*
IPV6_FIRST_FLOW_DEEP_RTM_TEMPLATE_ID          330*
IPV6_FLOW_RTM_TEMPLATE_ID                      331*
IPV4_DST_EMAIL_COUNTS_TEMPLATE_ID              332
IPV6_SRC_EMAIL_COUNTS_TEMPLATE_ID              333
IPV6_DST_EMAIL_COUNTS_TEMPLATE_ID              334
```

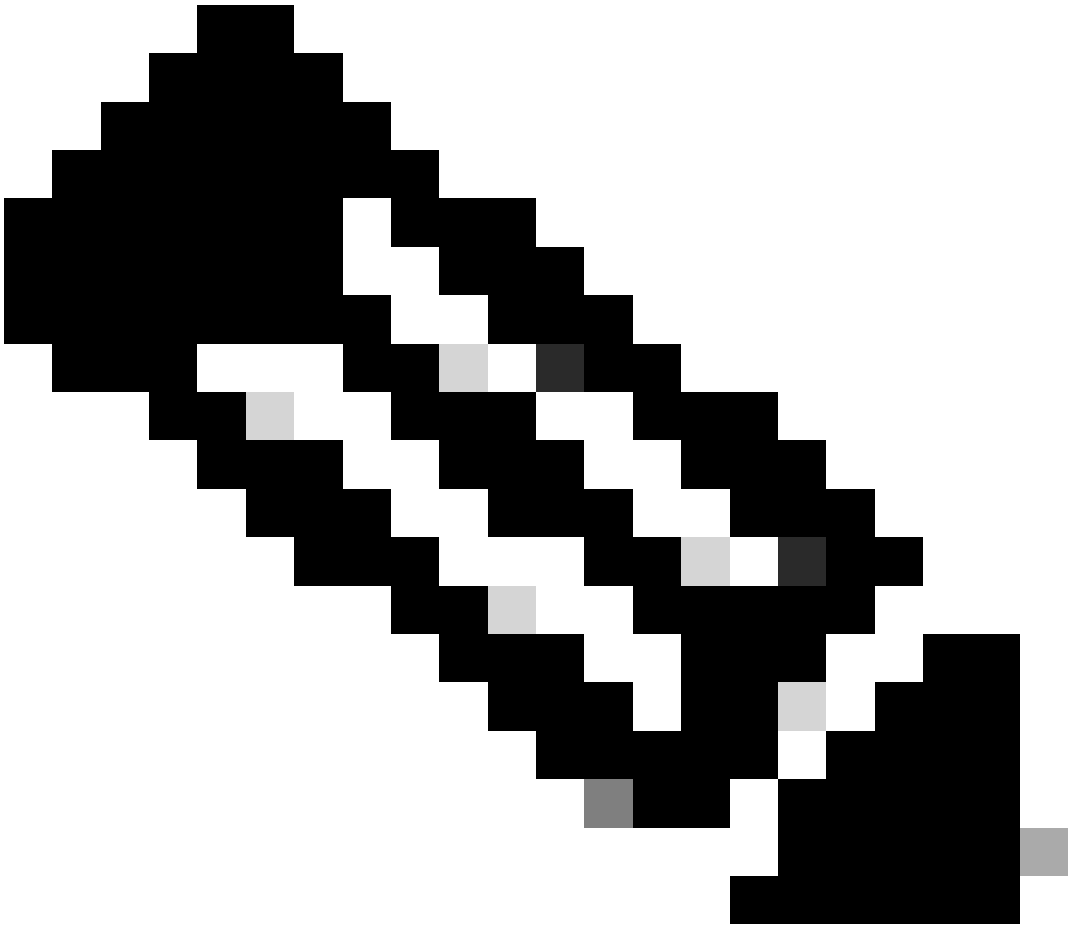
| | |
|---|---|
| IPV4_FIRST_FLOW_IPFIX_TEMPLATE_ID | 335* |
| IPV4_FIRST_FLOW_DEEP_IPFIX_TEMPLATE_ID | 336* |
| IPV4_FLOW_IPFIX_TEMPLATE_ID | 337* |
| IPV4_EVENT_IPFIX_TEMPLATE_ID | 338 |
| IPV6_FIRST_FLOW_IPFIX_TEMPLATE_ID | 339* |
| IPV6_FIRST_FLOW_DEEP_IPFIX_TEMPLATE_ID | 340* |
| IPV6_FLOW_IPFIX_TEMPLATE_ID | 341* |
| IPV6_EVENT_IPFIX_TEMPLATE_ID | 342 |
| IPV4_SRC_EMAIL_COUNTS_IPFIX_TEMPLATE_ID | 343 |
| IPV4_FIRST_FLOW_RTM_IPFIX_TEMPLATE_ID | 344* |
| IPV4_FIRST_FLOW_DEEP_RTM_IPFIX_TEMPLATE_ID | 345* |
| IPV4_FLOW_RTM_IPFIX_TEMPLATE_ID | 346* |
| IPV6_FIRST_FLOW_RTM_IPFIX_TEMPLATE_ID | 347* |
| IPV6_FIRST_FLOW_DEEP_RTM_IPFIX_TEMPLATE_ID | 348* |
| IPV6_FLOW_RTM_IPFIX_TEMPLATE_ID | 349* |
| IPV4_DST_EMAIL_COUNTS_IPFIX_TEMPLATE_ID | 350 |
| IPV6_SRC_EMAIL_COUNTS_IPFIX_TEMPLATE_ID | 351 |
| IPV6_DST_EMAIL_COUNTS_IPFIX_TEMPLATE_ID | 352 |
| IPV4_ETTA_IDP_TEMPLATE_ID | 353 |
| IPV4_ETTA_IDP_IPFIX_TEMPLATE_ID | 354 |
| IPV4_ETTA_SPLT_TEMPLATE_ID | 355 |
| IPV4_ETTA_SPLT_IPFIX_TEMPLATE_ID | 356 |
| IPV4_ETTA_BD_TEMPLATE_ID | 357 |
| IPV4_ETTA_BD_IPFIX_TEMPLATE_ID | 358 |
| IPV4_ETTA_TLS_TEMPLATE_ID | 359 |
| IPV4_ETTA_TLS_IPFIX_TEMPLATE_ID | 360 |
| IPV4_ETTA_SALT_TEMPLATE_ID | 361 |
| IPV4_ETTA_SALT_IPFIX_TEMPLATE_ID | 362 |
| IPV6_ETTA_IDP_TEMPLATE_ID | 363 |
| IPV6_ETTA_IDP_IPFIX_TEMPLATE_ID | 364 |
| IPV6_ETTA_SPLT_TEMPLATE_ID | 365 |
| IPV6_ETTA_SPLT_IPFIX_TEMPLATE_ID | 366 |
| IPV6_ETTA_BD_TEMPLATE_ID | 367 |
| IPV6_ETTA_BD_IPFIX_TEMPLATE_ID | 368 |
| IPV6_ETTA_TLS_TEMPLATE_ID | 369 |
| IPV6_ETTA_TLS_IPFIX_TEMPLATE_ID | 370 |
| IPV6_ETTA_SALT_TEMPLATE_ID | 371 |
| IPV6_ETTA_SALT_IPFIX_TEMPLATE_ID | 372 |

# 標準NetFlow元素

| | |
|---|---|
| NF_F_IN_BYTES | 1 |
| NF_F_IN_PKTS | 2 |
| NF_F_PROTOCOL | 4 |
| NF_F_SRC_TOS | 5 |
| NF_F_TCP_FLAGS | 6 |
| NF_F_L4_SRC_PORT | 7 |
| NF_F_SRC_ADDR_IPV4 | 8 |
| NF_F_SRC_INTF_ID | 10 |
| NF_F_L4_DST_PORT | 11 |
| NF_F_DST_ADDR_IPV4 | 12 |
| NF_F_DST_INTF_ID | 14 |
| NF_F_LAST_SWITCHED | 21 |
| NF_F_FIRST_SWITCHED | 22 |
| NF_F_SRC_ADDR_IPV6 | 27 |
| NF_F_DST_ADDR_IPV6 | 28 |
| NF_F_MIN_TTL | 52 |

```
NF_F_IN_SRC_MAC                                 56
NF_F_OUT_DST_MAC                               57
NF_F_SRC_VLAN                                   58
NF_F_MPLS_LABEL_1                               70
NF_F_SYSTEM_INIT_TIME_MILLISECONDS              160
NF_F_TCP_SYN_TOTAL_COUNT                       218
NF_F_TCP_FIN_TOTAL_COUNT                       219
NF_F_TCP_RST_TOTAL_COUNT                       220
NF_F_TCP_ACK_TOTAL_COUNT                       222
NF_F_IP_SECTION_HEADER                          313
NF_F_IP_SECTION_PAYLOAD                         314
```

## 企業特定的元素

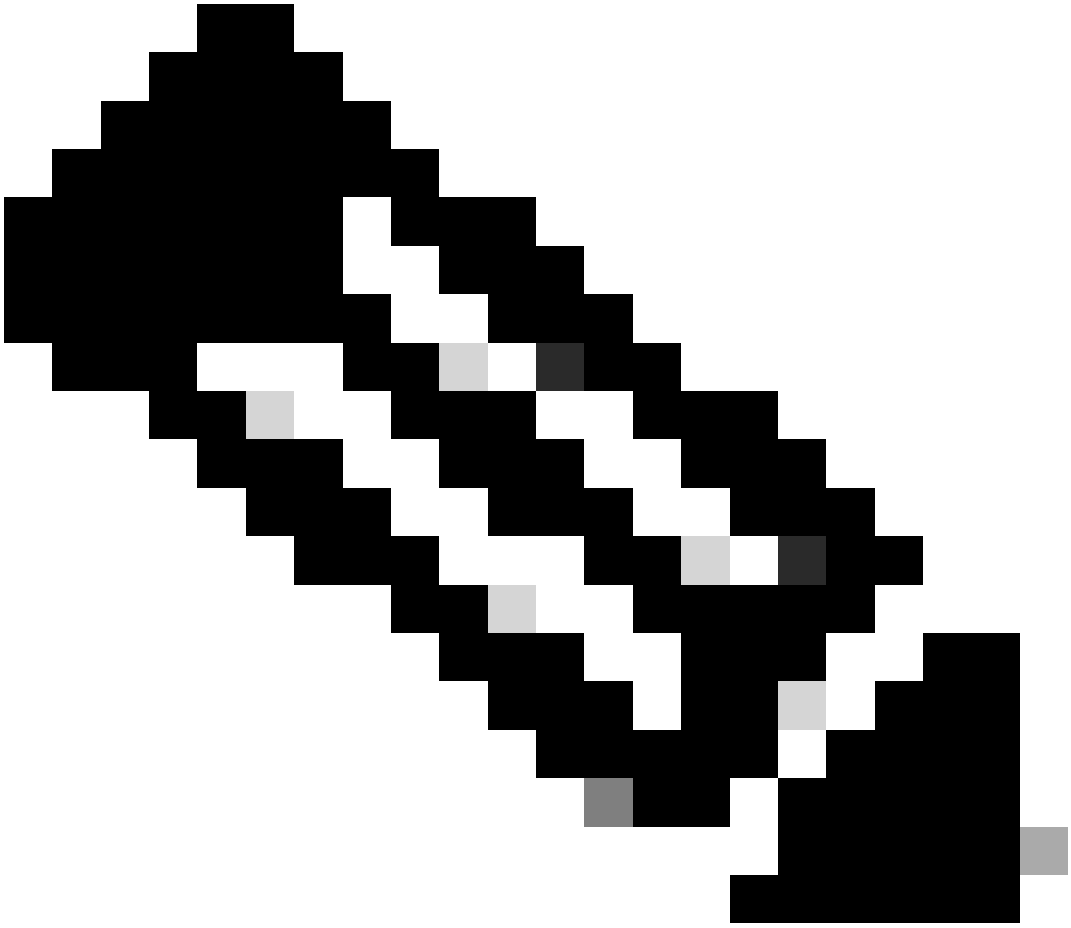


註：流量感測器使用Lancope資訊元素識別符號定義：私有企業編號(PEN) - 8712

有關這些元素的詳細資訊，請參閱安全分析資訊元素指南

```
NF_F_FLOWSENSOR_INITIATOR                          29794
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT              29795
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT                  29796
NF_F_FLOWSENSOR_RTT                                  29797
NF_F_FLOWSENSOR_SVR_RESP                           29798
NF_F_FLOWSENSOR_RETRANSMITS                          29799
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT                  29800
NF_F_FLOWSENSOR_TCP_FRAG_TOTAL_COUNT               29801
NF_F_FLOWSENSOR_SRC_EMAIL_IN                       29802
NF_F_FLOWSENSOR_SRC_EMAIL_OUT                       29803
NF_F_FLOWSENSOR_SRC_EMAIL_IN_MESS                   29804
NF_F_FLOWSENSOR_SRC_EMAIL_OUT_MESS                   29805
NF_F_FLOWSENSOR_SRC_EMAIL_IN_TRYS                   29806
NF_F_FLOWSENSOR_SRC_EMAIL_OUT_TRYS                   29807
NF_F_FLOWSENSOR_DST_EMAIL_IN                       29808
NF_F_FLOWSENSOR_DST_EMAIL_OUT                       29809
NF_F_FLOWSENSOR_DST_EMAIL_IN_MESS                   29810
NF_F_FLOWSENSOR_DST_EMAIL_OUT_MESS                   29811
NF_F_FLOWSENSOR_DST_EMAIL_IN_TRYS                   29812
NF_F_FLOWSENSOR_DST_EMAIL_OUT_TRYS                   29813
NF_F_FLOWSENSOR_TRACES                               29814
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL                   29817
NF_F_FLOWSENSOR_EMB_ICMP_TYPE                       29818
NF_F_FLOWSENSOR_EMB_ICMP_CODE                       29819
NF_F_FLOWSENSOR_APPLICATION_ID                       29820
NF_F_FLOWSENSOR_BAD_FLAG_XMAS                       29821
NF_F_FLOWSENSOR_BAD_FLAG_SYN_FIN                   29822
NF_F_FLOWSENSOR_BAD_FLAG_BAD_RST                   29823
NF_F_FLOWSENSOR_BAD_FLAG_NO_ACK                      29824
NF_F_FLOWSENSOR_BAD_FLAG_URG                       29825
NF_F_FLOWSENSOR_BAD_FLAG_NOFLAG                      29826
NF_F_FLOWSENSOR_BAD_TCP_PROBE                       29827
NF_F_FLOWSENSOR_SHORT_FRAG_ATTACK                   29828
NF_F_FLOWSENSOR_FRAG_PKT_TOO_SHORT                   29829
NF_F_FLOWSENSOR_FRAG_PKT_TOO_LONG                   29830
NF_F_FLOWSENSOR_FRAG_DIFFERENT_SIZES               29831
NF_F_FLOWSENSOR_APPLICATION_DETAILS                  29832
```

# 範本格式



注意：每個模板都包括模板名稱和欄位計數，後跟各個NetFlow/IPFIX欄位和每個欄位的大小（以位元組為單位）。

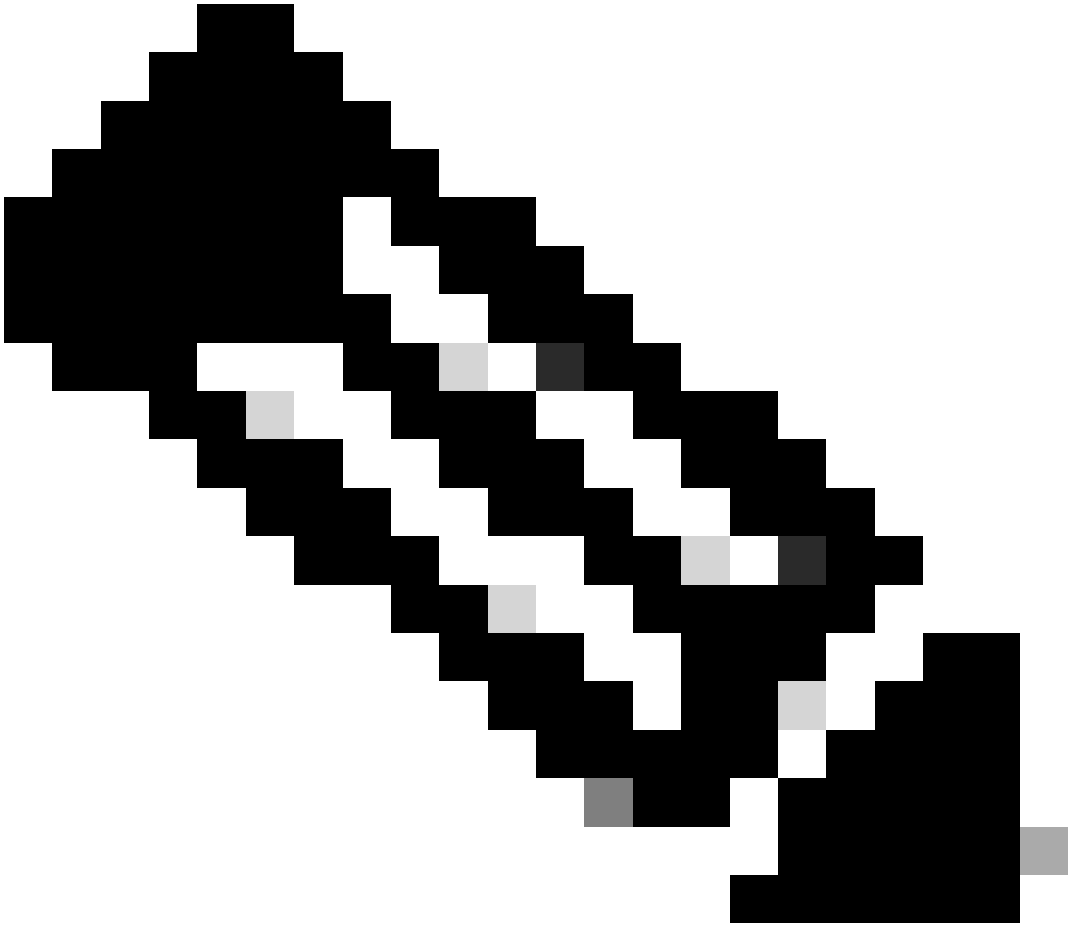
請注意，特定於企業的IPFIX元素使用0x8000進行標註以打開高位，因此收集器知道存在私有企業編號(PEN)欄位。

其中包括一個包含NetFlow v9和企業特定IPFIX元素的示例。

---

```
TEMPLATE_NAME, ## <-- Field Count (Total number of NF_F fields in the template)
    FIELD_NAME_V9, # <-- Field size (in bytes)
    ENTERPRISE_FIELD_NAME_IPFIX | 0x8000, # <-- Field size (in bytes)
    0000, 8712 <-- Private Enterprise Number (PEN)
```

## IPv4第一流-模板317

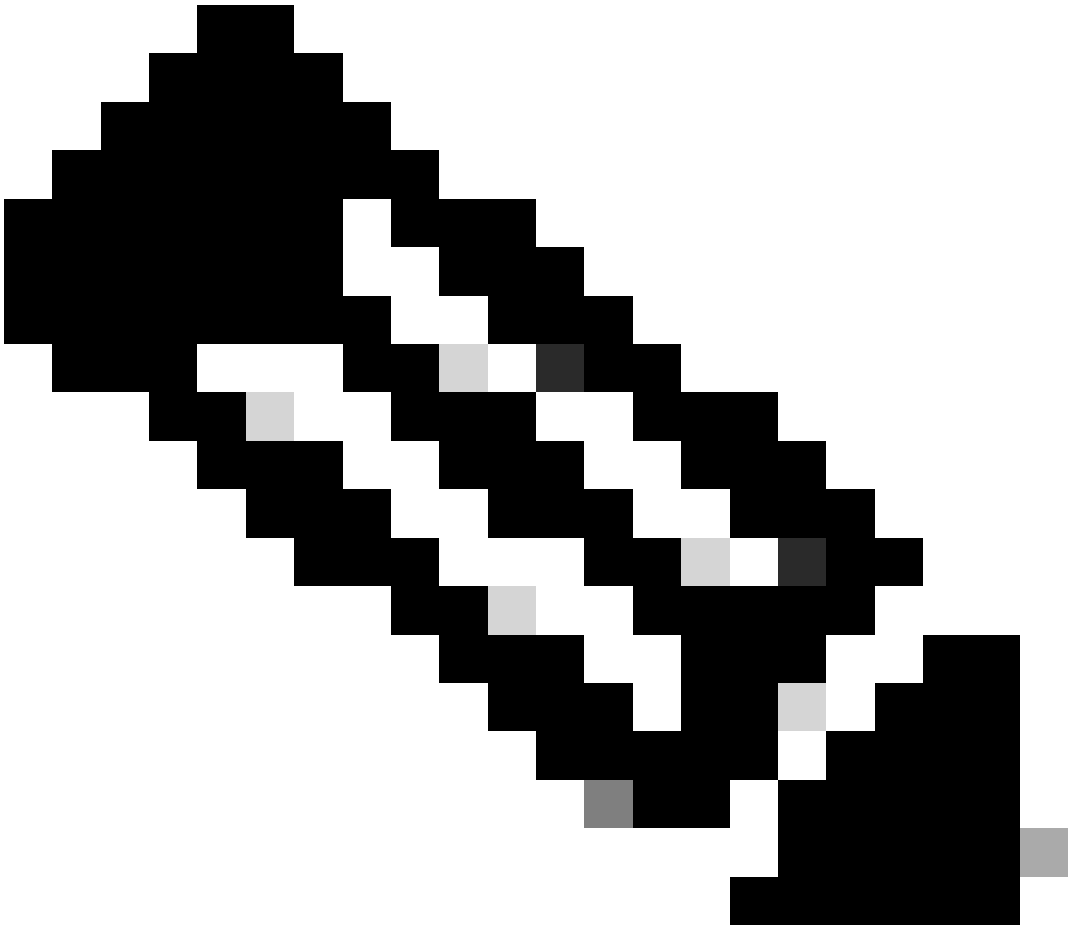


注意：此模板用於從流量感測器引擎中的流插槽初始v9導出IPv4流資訊。

```
IPV4_FIRST_FLOW_TEMPLATE_ID, 31
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
    NF_F_MIN_TTL, 1
    NF_F_SRC_TOS, 1
```

```
NF_F_FLOWSENSOR_INITIATOR, 1
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TRACES, 2
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

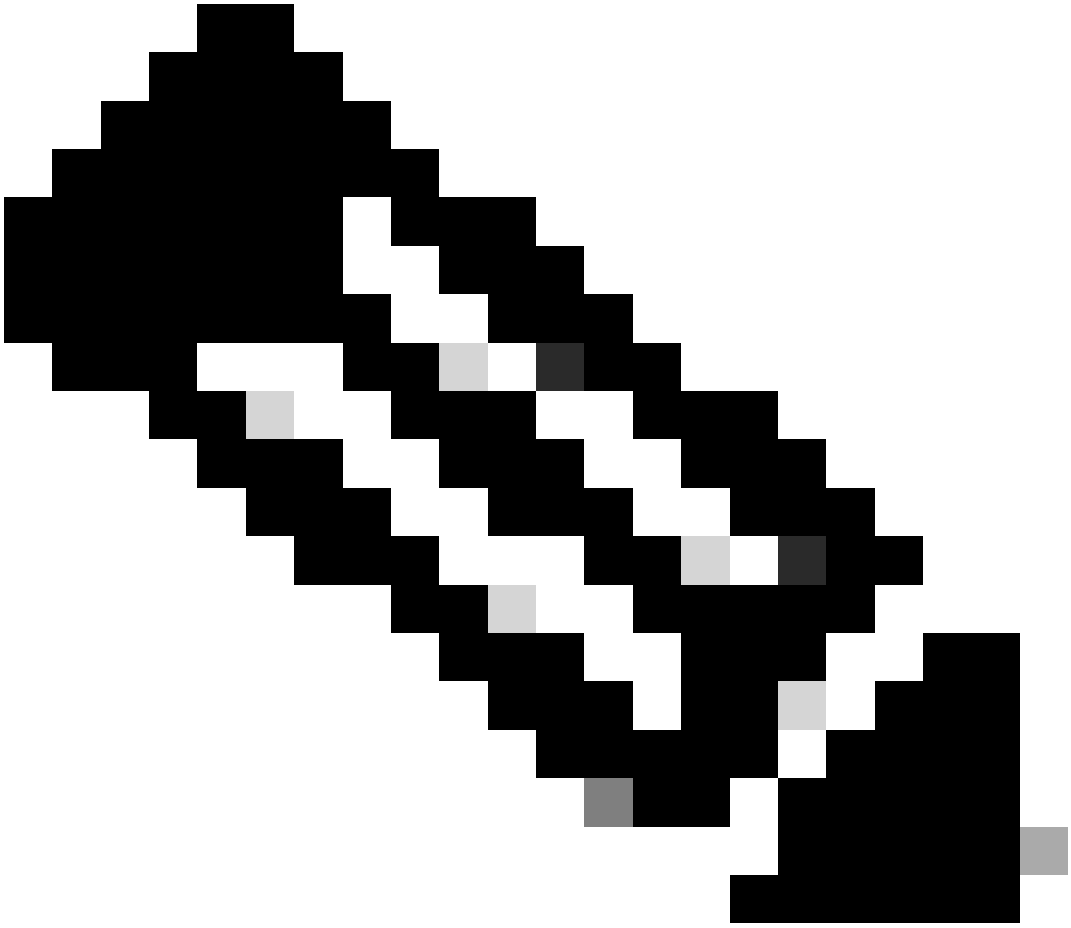
## IPv4第一流深度-模板318



注意：當選取Export Packet Payload覈取方塊時，該模板用於從流量感測器引擎中的流插槽初始v9導出IPv4流資訊。

```
IPV4_FIRST_FLOW_DEEP_TEMPLATE_ID, 33
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
    NF_F_MIN_TTL, 1
    NF_F_SRC_TOS, 1
    NF_F_IP_SECTION_HEADER, 64
    NF_F_IP_SECTION_PAYLOAD, 26
    NF_F_FLOWSENSOR_INITIATOR, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TRACES, 2
    NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
    NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
    NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
    NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv4流-模板319

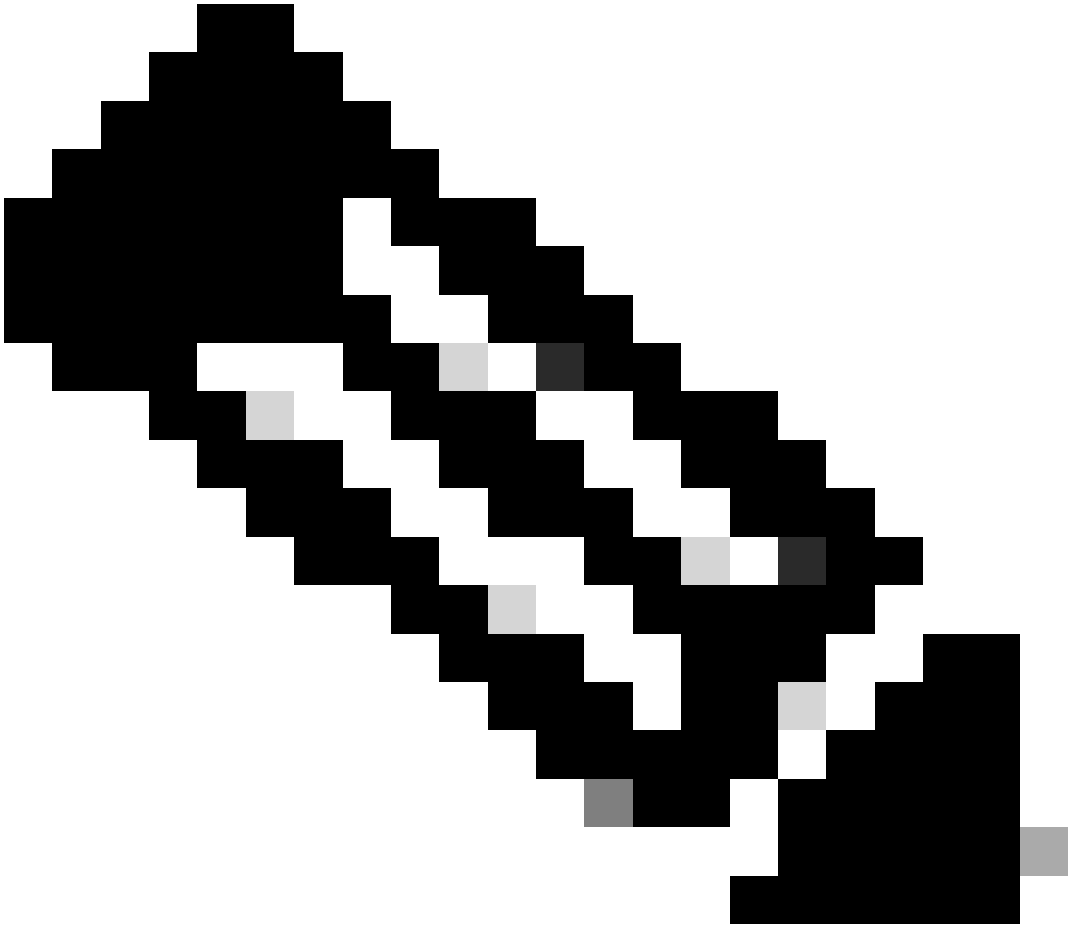


注意：此模板用於從Flow Sensor引擎的流插槽中後續導出IPv4流資訊。

```
IPV4_FLOW_TEMPLATE_ID, 25
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
```

```
    NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TRACES, 2
    NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
    NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
    NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
    NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv4事件-模板320

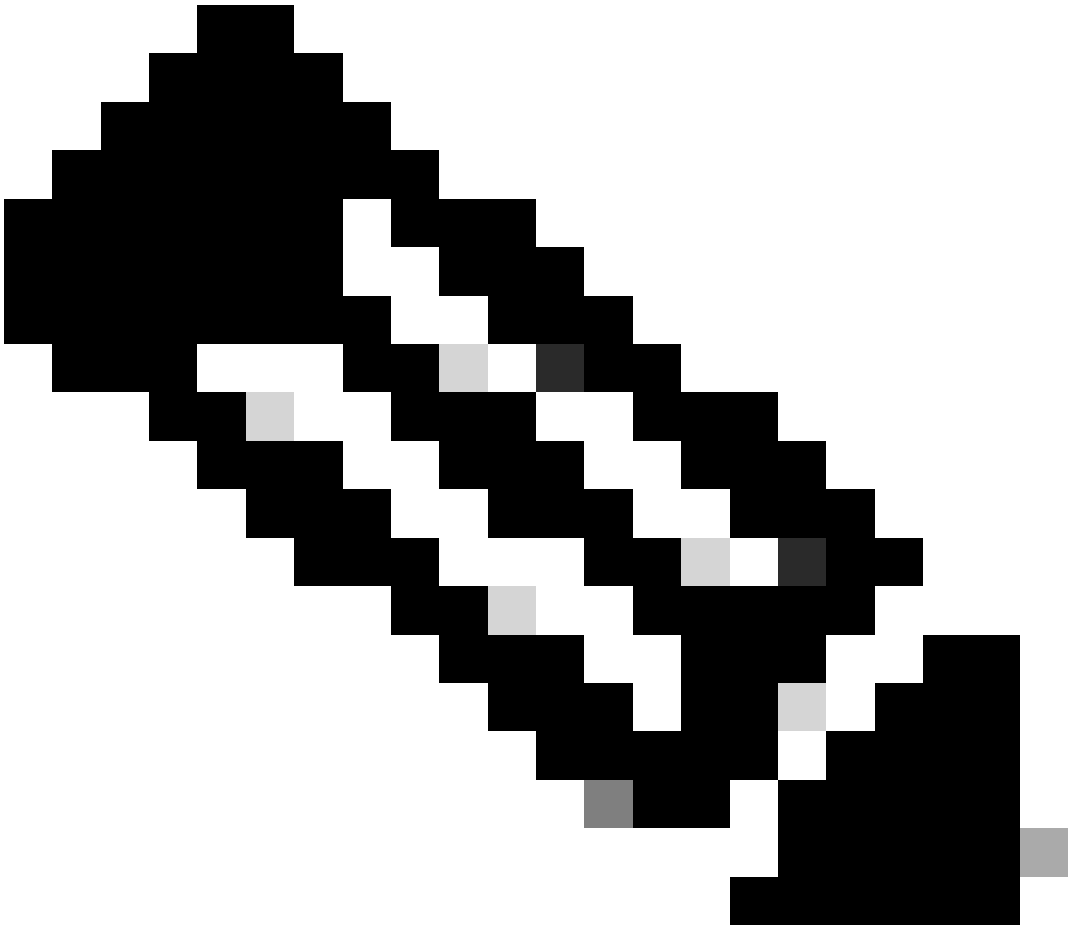


注意：此模板用於流感測器引擎檢測到的IPv4壞片段和標誌組合計數的v9導出。

```
IPV4_EVENT_TEMPLATE_ID, 18
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
```

```
    NF_F_PROTOCOL, 1
    NF_F_FLOWSENSOR_BAD_FLAG_XMAS, 2
    NF_F_FLOWSENSOR_BAD_FLAG_SYN_FIN, 2
    NF_F_FLOWSENSOR_BAD_FLAG_BAD_RST, 2
    NF_F_FLOWSENSOR_BAD_FLAG_NO_ACK, 2
    NF_F_FLOWSENSOR_BAD_FLAG_URG, 2
    NF_F_FLOWSENSOR_BAD_FLAG_NOFLAG, 2
    NF_F_FLOWSENSOR_BAD_TCP_PROBE, 2
    NF_F_FLOWSENSOR_SHORT_FRAG_ATTACK, 2
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_SHORT, 2
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_LONG, 2
    NF_F_FLOWSENSOR_FRAG_DIFFERENT_SIZES, 2
```

## IPv6第一流-模板321

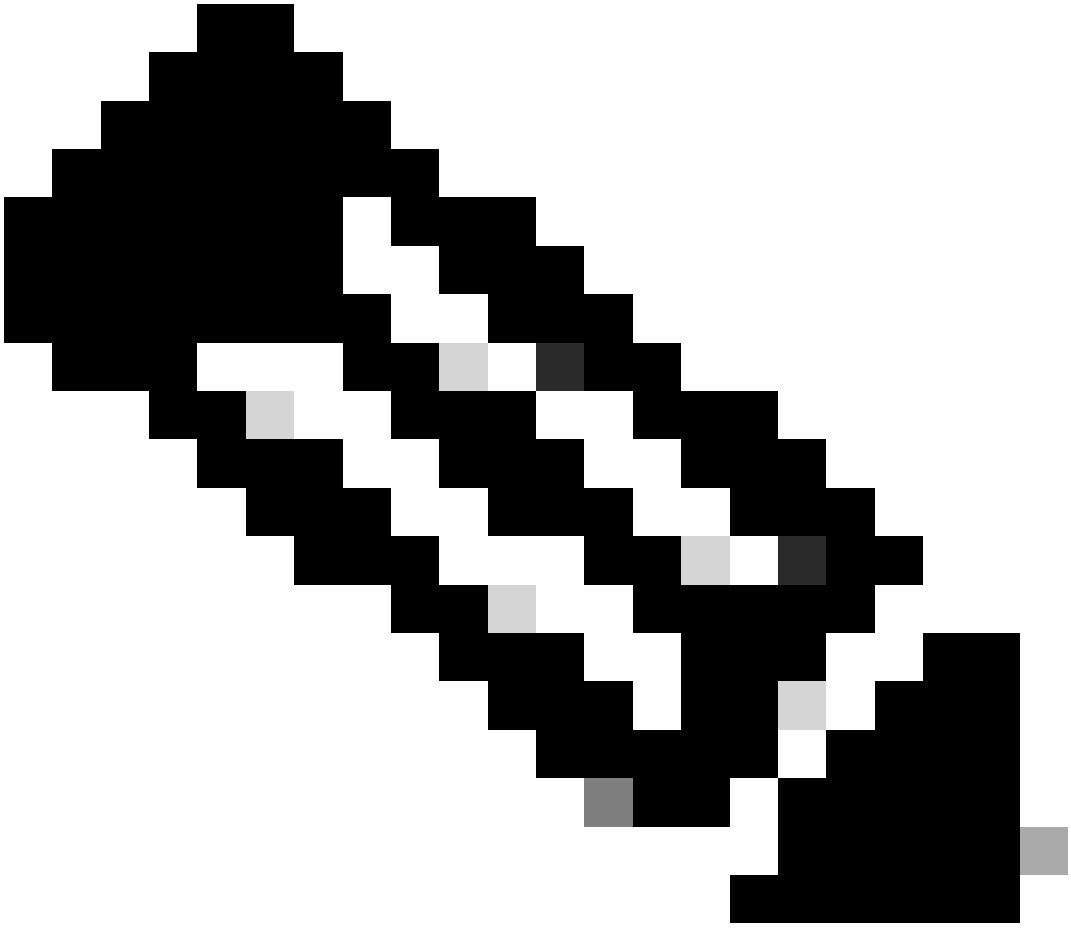


注意：此模板用於從流量感測器引擎的流插槽初始v9導出IPv6流資訊。

```
IPV6_FIRST_FLOW_TEMPLATE_ID, 31
    NF_F_FIRST_SWITCHED, 4
```

```
NF_F_LAST_SWITCHED, 4
NF_F_SRC_ADDR_IPV6, 16
NF_F_DST_ADDR_IPV6, 16
NF_F_L4_SRC_PORT, 2
NF_F_L4_DST_PORT, 2
NF_F_IN_SRC_MAC, 6
NF_F_OUT_DST_MAC, 6
NF_F_IN_BYTES, 4
NF_F_IN_PKTS, 4
NF_F_SRC_INTF_ID, 2
NF_F_DST_INTF_ID, 2
NF_F_PROTOCOL, 1
NF_F_TCP_FLAGS, 1
NF_F_SRC_VLAN, 2
NF_F_MPLS_LABEL_1, 3
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_FLOWSENSOR_INITIATOR, 1
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TRACES, 2
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv6第一流深度-模板322

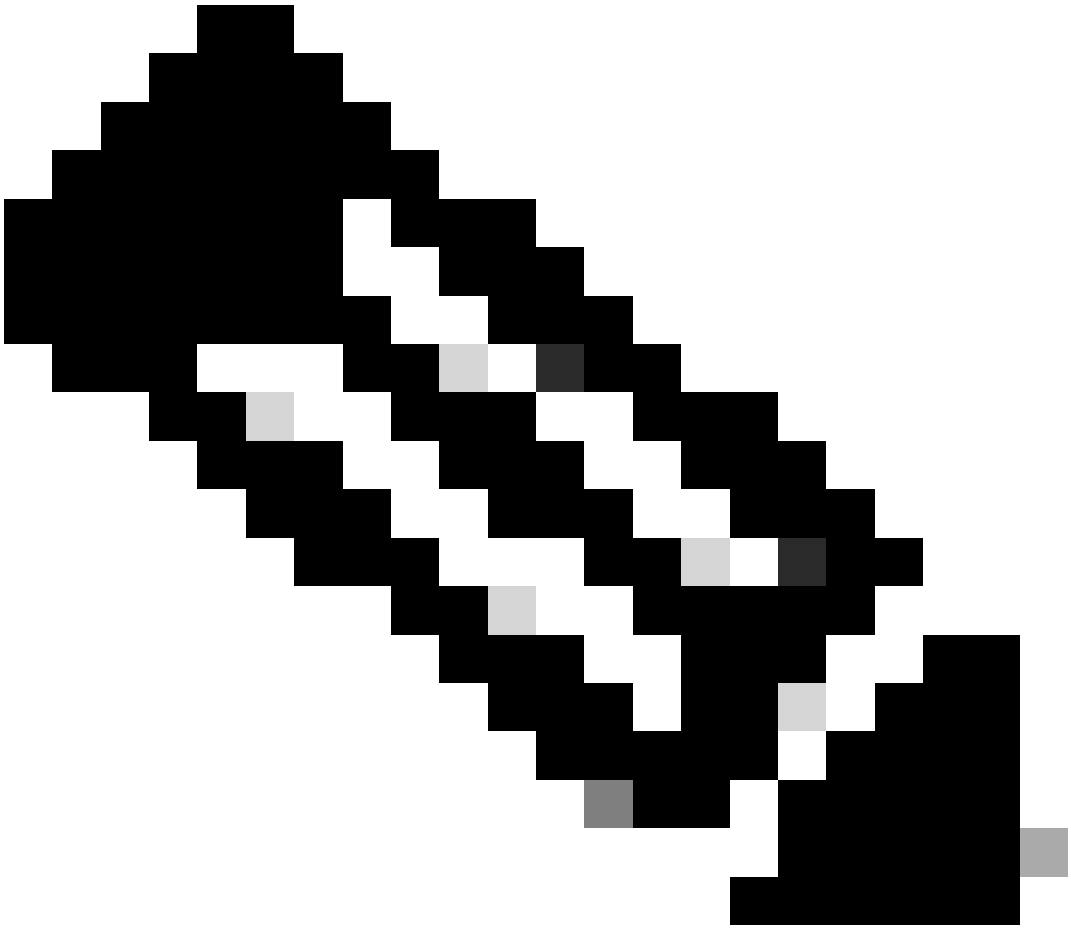


注意：當選中Export Packet Payload覈取方塊時，該模板用於從流量感測器引擎中的流插槽初始v9導出IPv6流資訊。

```
IPV6_FIRST_FLOW_DEEP_TEMPLATE_ID, 33
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
    NF_F_MIN_TTL, 1
```

```
NF_F_SRC_TOS, 1
NF_F_IP_SECTION_HEADER, 64
NF_F_IP_SECTION_PAYLOAD, 26
NF_F_FLOWSENSOR_INITIATOR, 1
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TRACES, 2
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

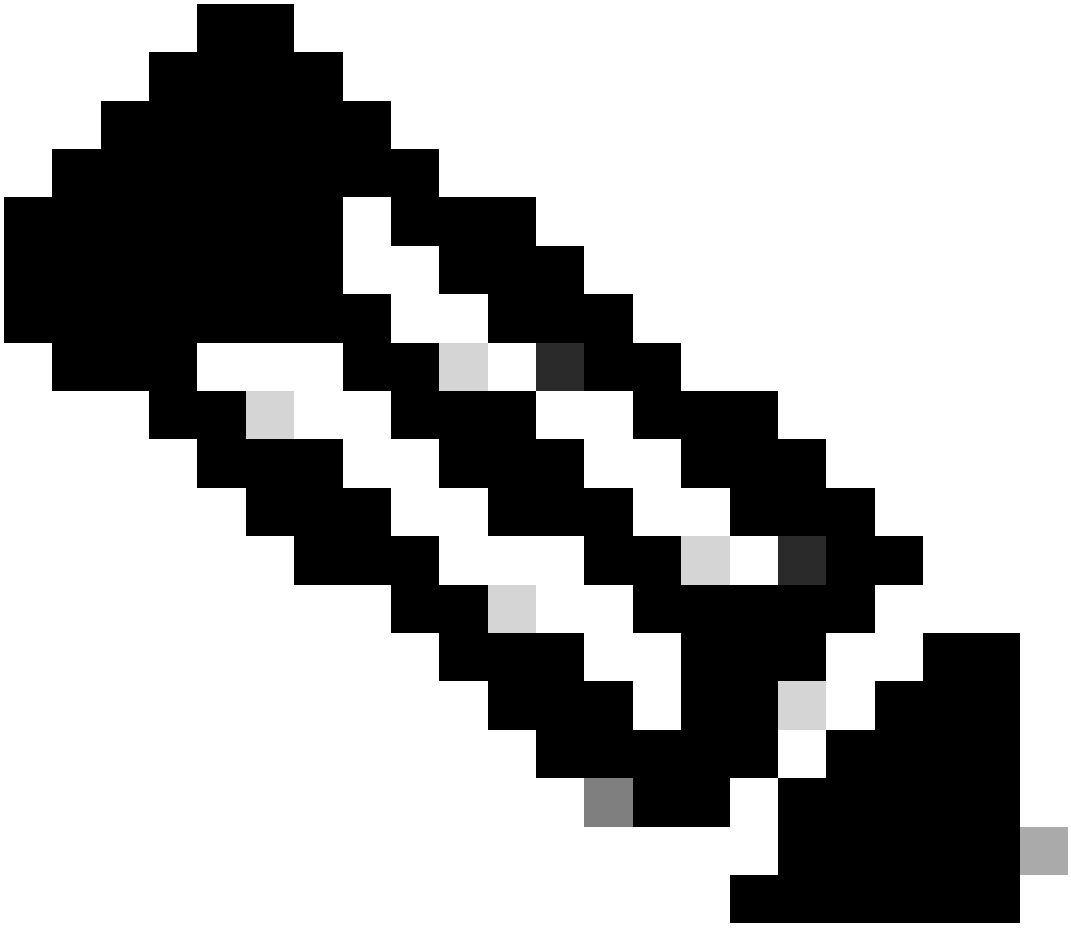
## IPv6流-模板323



注意：此模板用於後續從流量感測器引擎的流插槽中導出IPv6流資訊v9。

```
IPV6_FLOW_TEMPLATE_ID, 25
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TRACES, 2
    NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
    NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
    NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
    NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

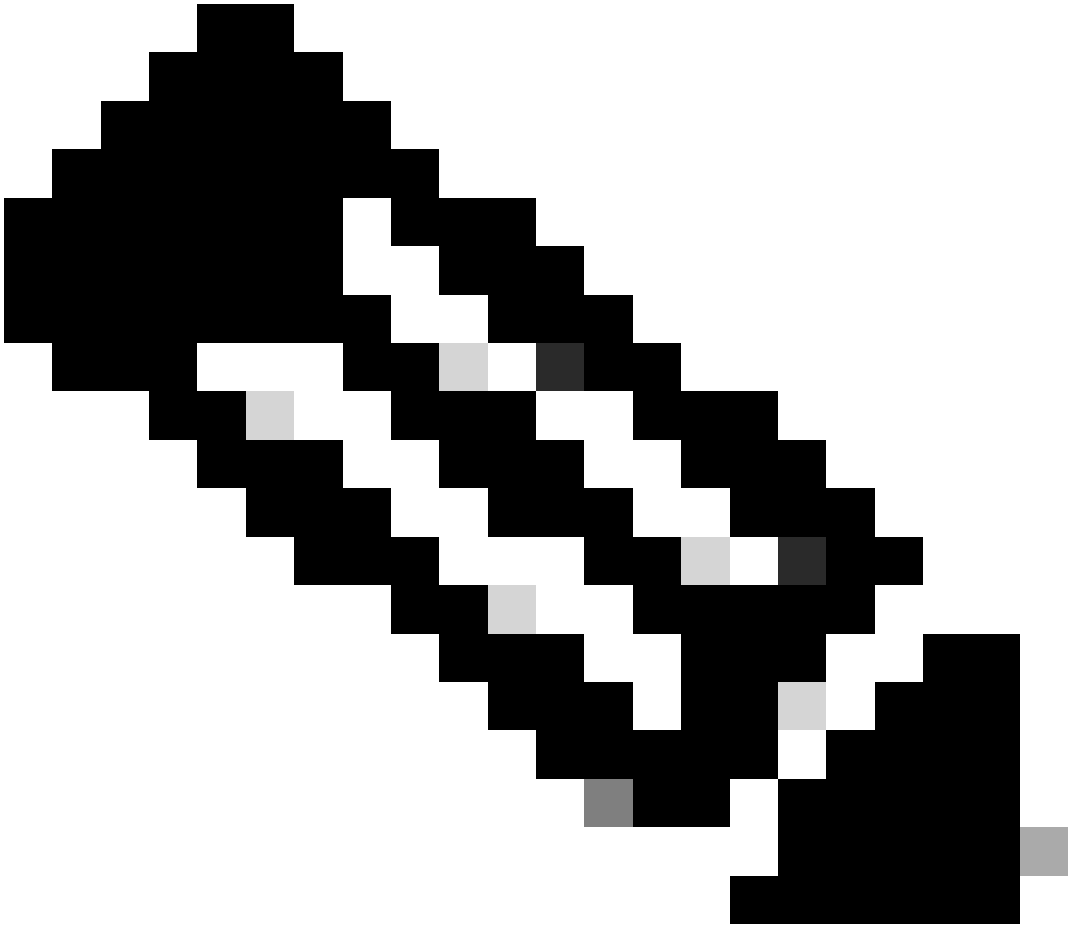
## IPv6事件-模板324



注意：此模板用於流感測器引擎檢測到的IPv6壞片段和標誌組合計數的v9導出。

```
IPV6_EVENT_TEMPLATE_ID, 18
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_PROTOCOL, 1
    NF_F_FLOWSENSOR_BAD_FLAG_XMAS, 2
    NF_F_FLOWSENSOR_BAD_FLAG_SYN_FIN, 2
    NF_F_FLOWSENSOR_BAD_FLAG_BAD_RST, 2
    NF_F_FLOWSENSOR_BAD_FLAG_NO_ACK, 2
    NF_F_FLOWSENSOR_BAD_FLAG_URG, 2
    NF_F_FLOWSENSOR_BAD_FLAG_NOFLAG, 2
    NF_F_FLOWSENSOR_BAD_TCP_PROBE, 2
    NF_F_FLOWSENSOR_SHORT_FRAG_ATTACK, 2
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_SHORT, 2
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_LONG, 2
    NF_F_FLOWSENSOR_FRAG_DIFFERENT_SIZES, 2
```

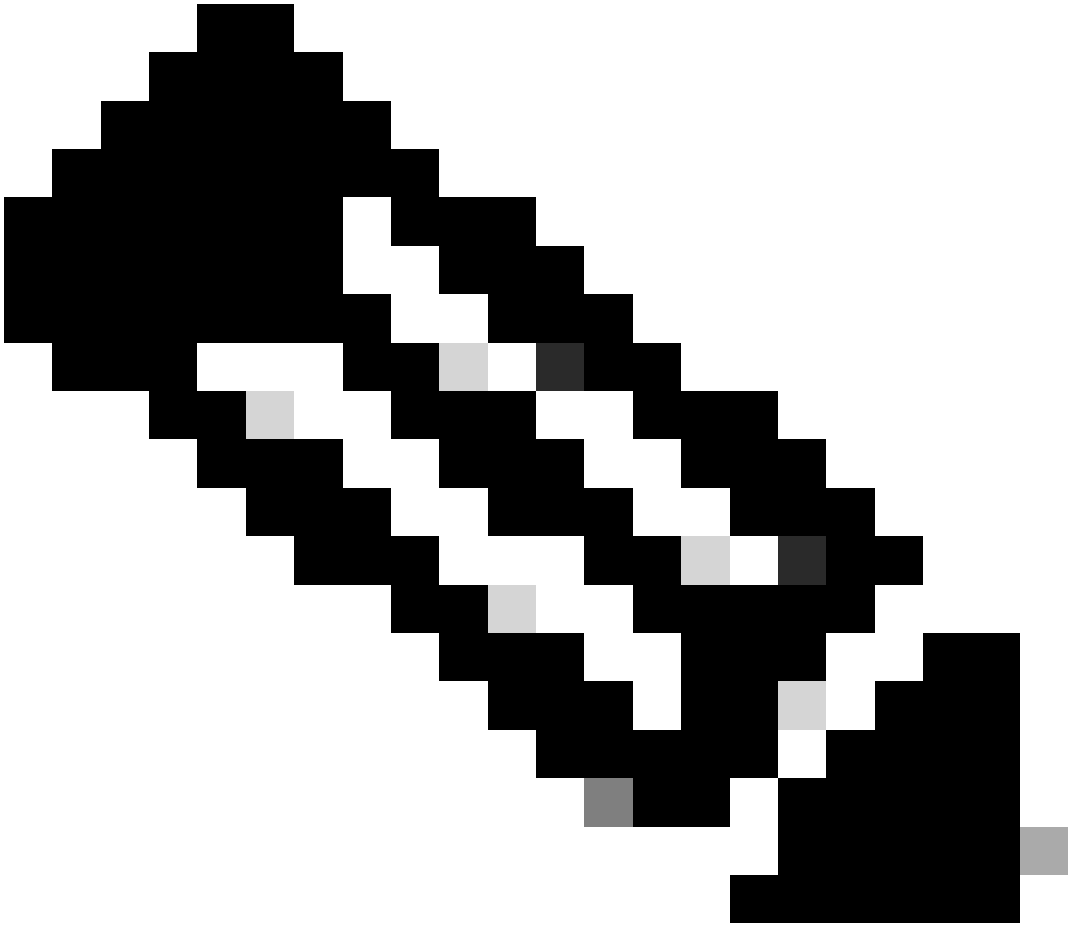
## IPv4源電子郵件計數-模板325



注意：此模板用於導出源自流感測器引擎檢測到的源IP地址的IPv4郵件計數資訊的v9。

```
IPV4_SRC_EMAIL_COUNTS_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_IN, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_MESS, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_MESS, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_TRYS, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_TRYS, 4
```

## IPv4第一流響應時間監控-模板326

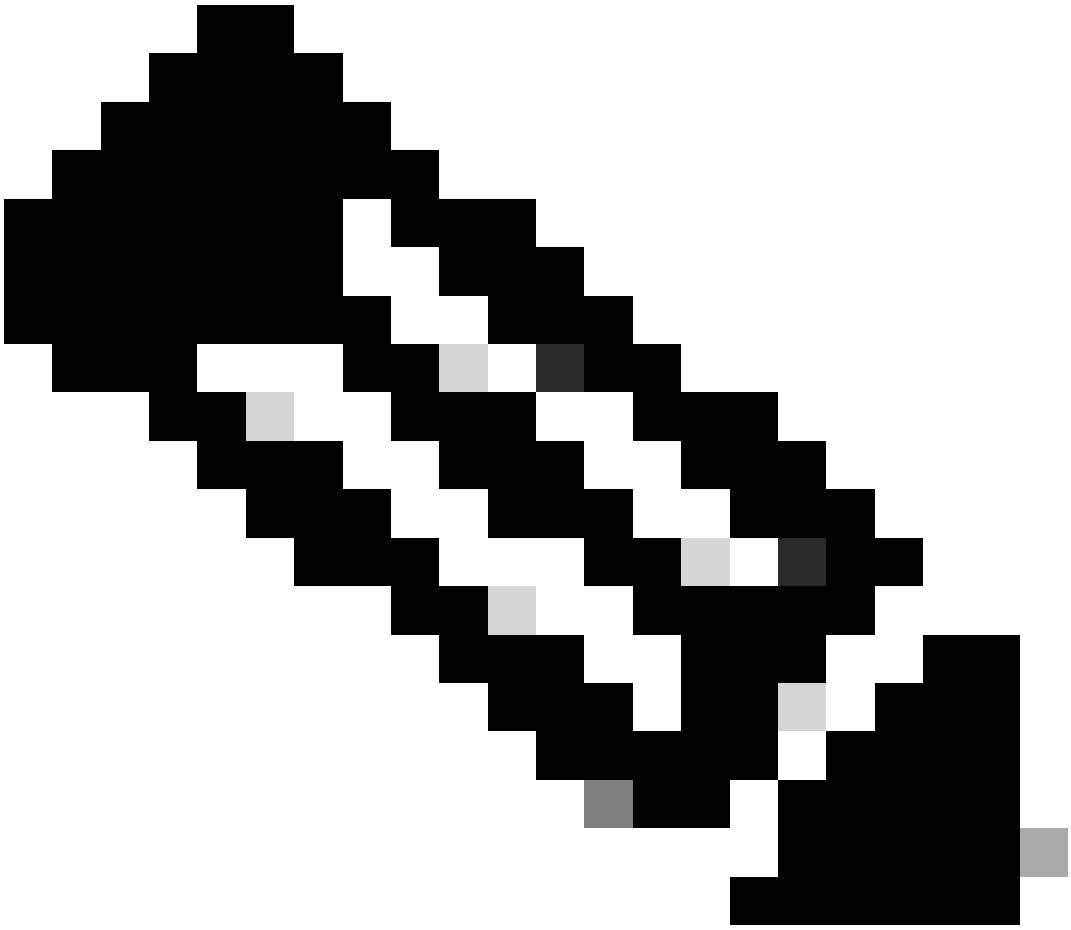


注意：此模板用於在計算RTM資料後從流量感測器引擎中的流插槽初始v9導出IPv4流資訊。

```
IPV4_FIRST_FLOW_RTM_TEMPLATE_ID, 34
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
    NF_F_MIN_TTL, 1
```

```
NF_F_SRC_TOS, 1
NF_F_FLOWSENSOR_INITIATOR, 1
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TRACES, 2
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
NF_F_FLOWSENSOR_RTT, 4
NF_F_FLOWSENSOR_SVR_RESP, 4
NF_F_FLOWSENSOR_RETRANSMITS, 2
NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

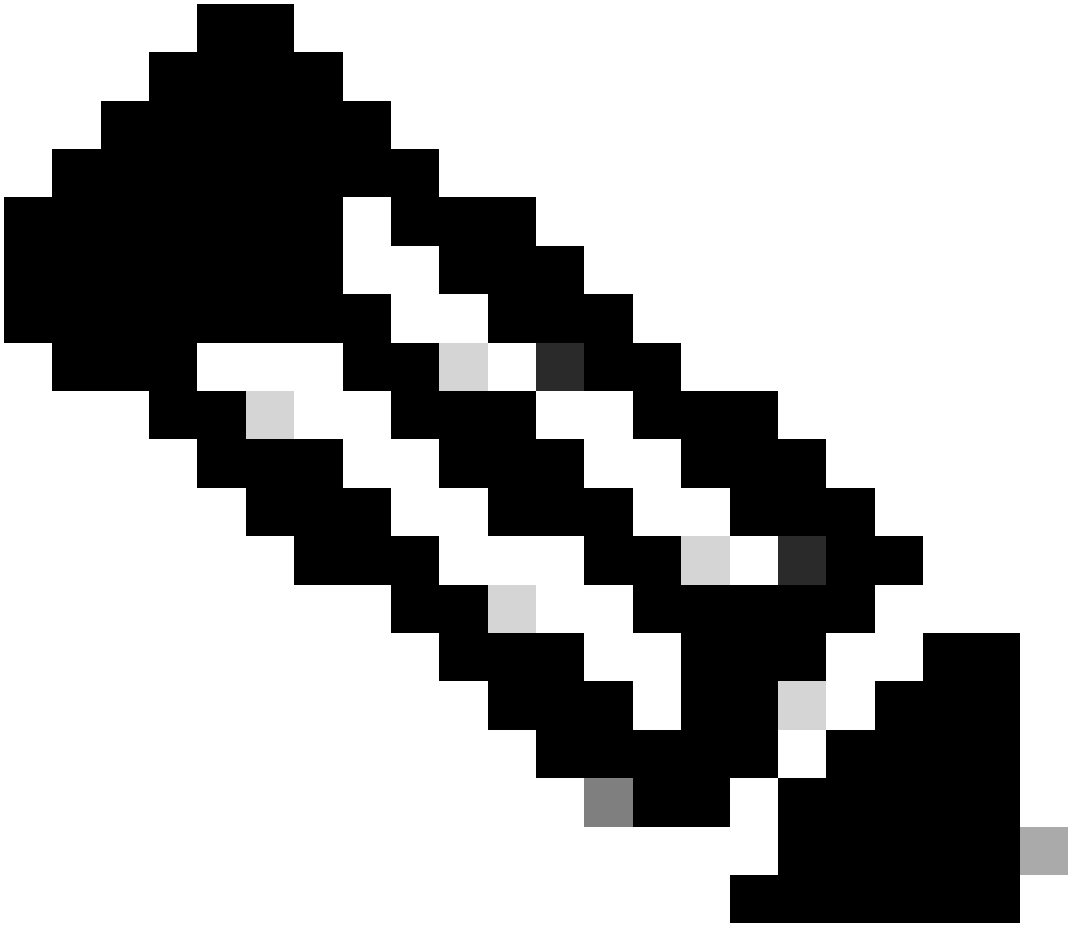
## IPv4第一流深度響應時間監控-模板327



注意：當選取Export Packet Payload覈取方塊並計算RTM資料後，此模板用於從流量感測器引擎中的流插槽初始v9導出IPv4流資訊。

```
IPV4_FIRST_FLOW_DEEP_RTM_TEMPLATE_ID, 36
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
    NF_F_MIN_TTL, 1
    NF_F_SRC_TOS, 1
    NF_F_IP_SECTION_HEADER, 64
    NF_F_IP_SECTION_PAYLOAD, 26
    NF_F_FLOWSENSOR_INITIATOR, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TRACES, 2
    NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
    NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
    NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
    NF_F_FLOWSENSOR_RTT, 4
    NF_F_FLOWSENSOR_SVR_RESP, 4
    NF_F_FLOWSENSOR_RETRANSMITS, 2
    NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv4流響應時間監控-模板328



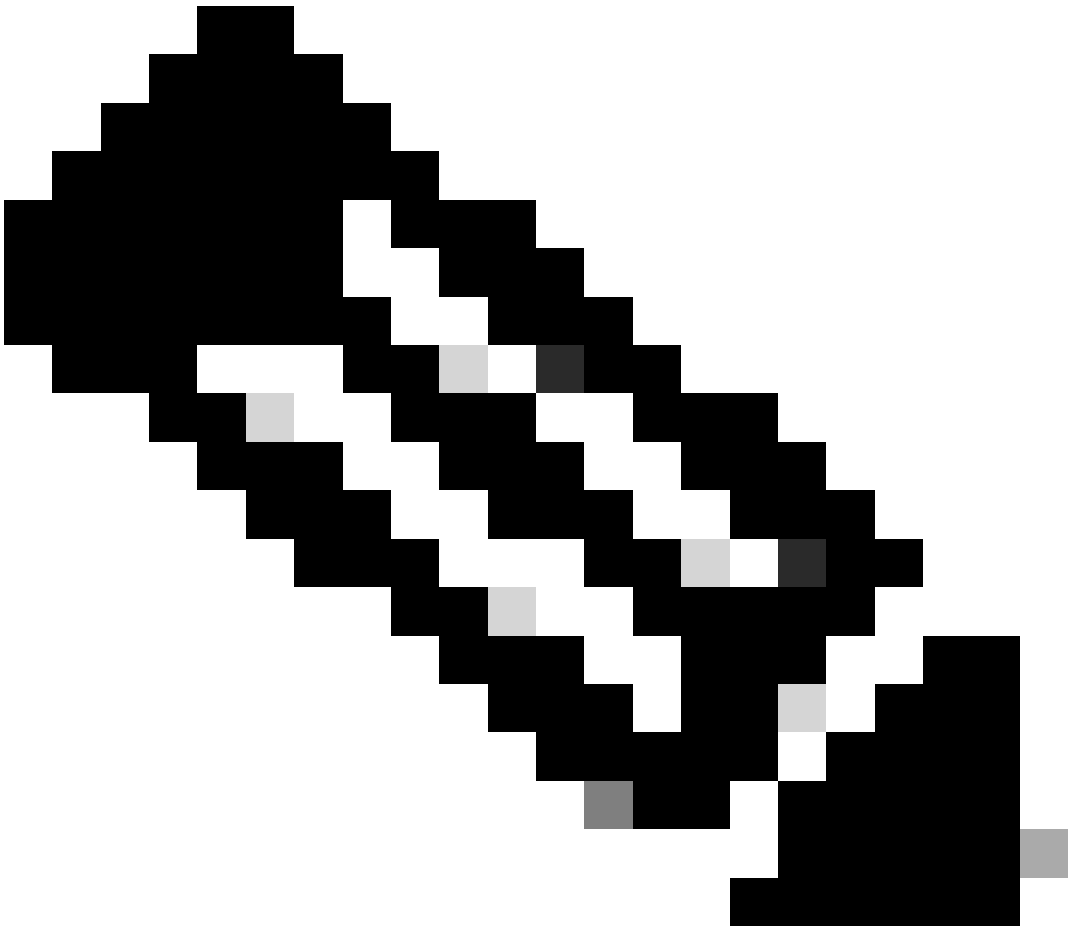
注意：此模板用於在計算RTM資料後從流量感測器引擎的流插槽中後續導出IPv4流資訊。

```
IPV4_FLOW_RTM_TEMPLATE_ID, 28
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
```

```
    NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TRACES, 2
    NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
    NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
    NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
    NF_F_FLOWSENSOR_RTT, 4
    NF_F_FLOWSENSOR_SVR_RESP, 4
    NF_F_FLOWSENSOR_RETRANSMITS, 2
    NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv6第一流響應時間監控-模板329

---



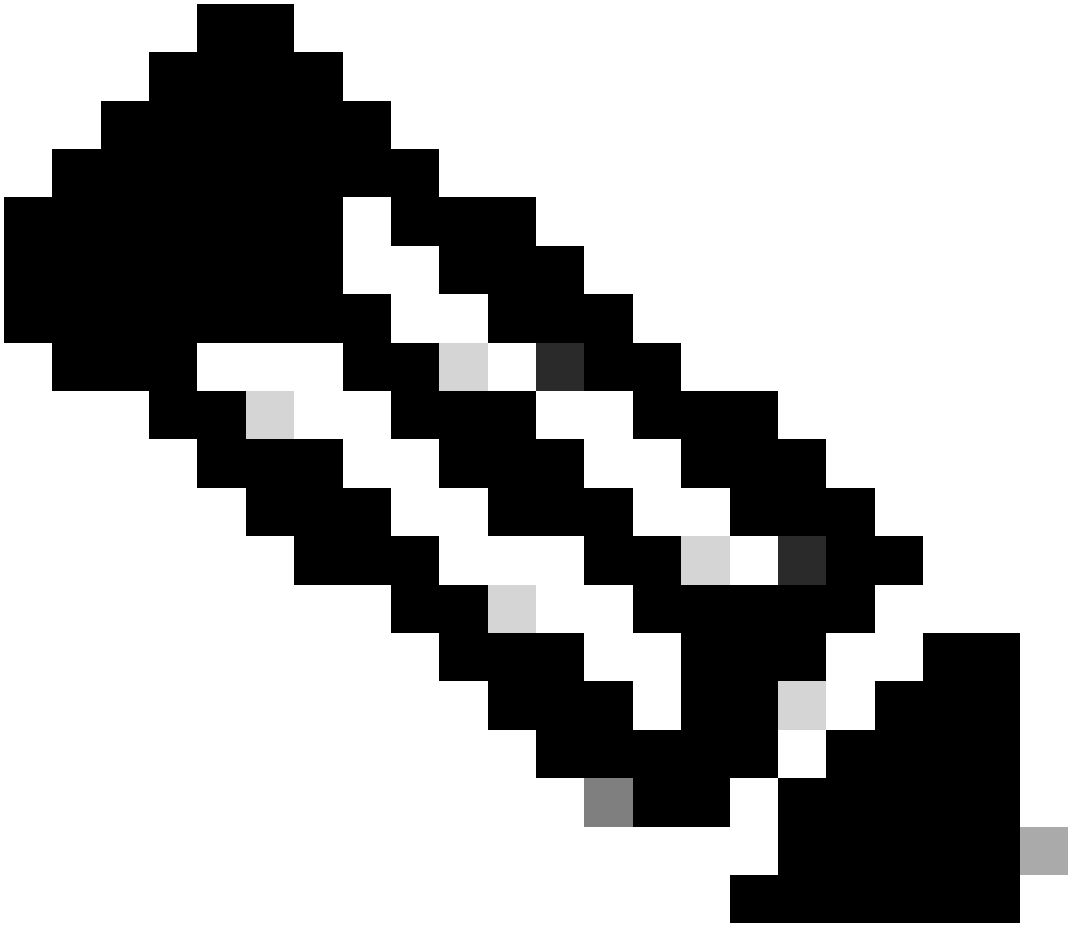
注意：此模板用於在計算RTM資料後從流量感測器引擎中的流插槽初始v9導出IPv6流資訊。

---

```
IPV6_FIRST_FLOW_RTM_TEMPLATE_ID, 34
    NF_F_FIRST_SWITCHED, 4
```

```
NF_F_LAST_SWITCHED, 4
NF_F_SRC_ADDR_IPV6, 16
NF_F_DST_ADDR_IPV6, 16
NF_F_L4_SRC_PORT, 2
NF_F_L4_DST_PORT, 2
NF_F_IN_SRC_MAC, 6
NF_F_OUT_DST_MAC, 6
NF_F_IN_BYTES, 4
NF_F_IN_PKTS, 4
NF_F_SRC_INTF_ID, 2
NF_F_DST_INTF_ID, 2
NF_F_PROTOCOL, 1
NF_F_TCP_FLAGS, 1
NF_F_SRC_VLAN, 2
NF_F_MPLS_LABEL_1, 3
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_FLOWSENSOR_INITIATOR, 1
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TRACES, 2
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
NF_F_FLOWSENSOR_RTT, 4
NF_F_FLOWSENSOR_SVR_RESP, 4
NF_F_FLOWSENSOR_RETRANSMITS, 2
NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv6第一流深度響應時間監控-模板330

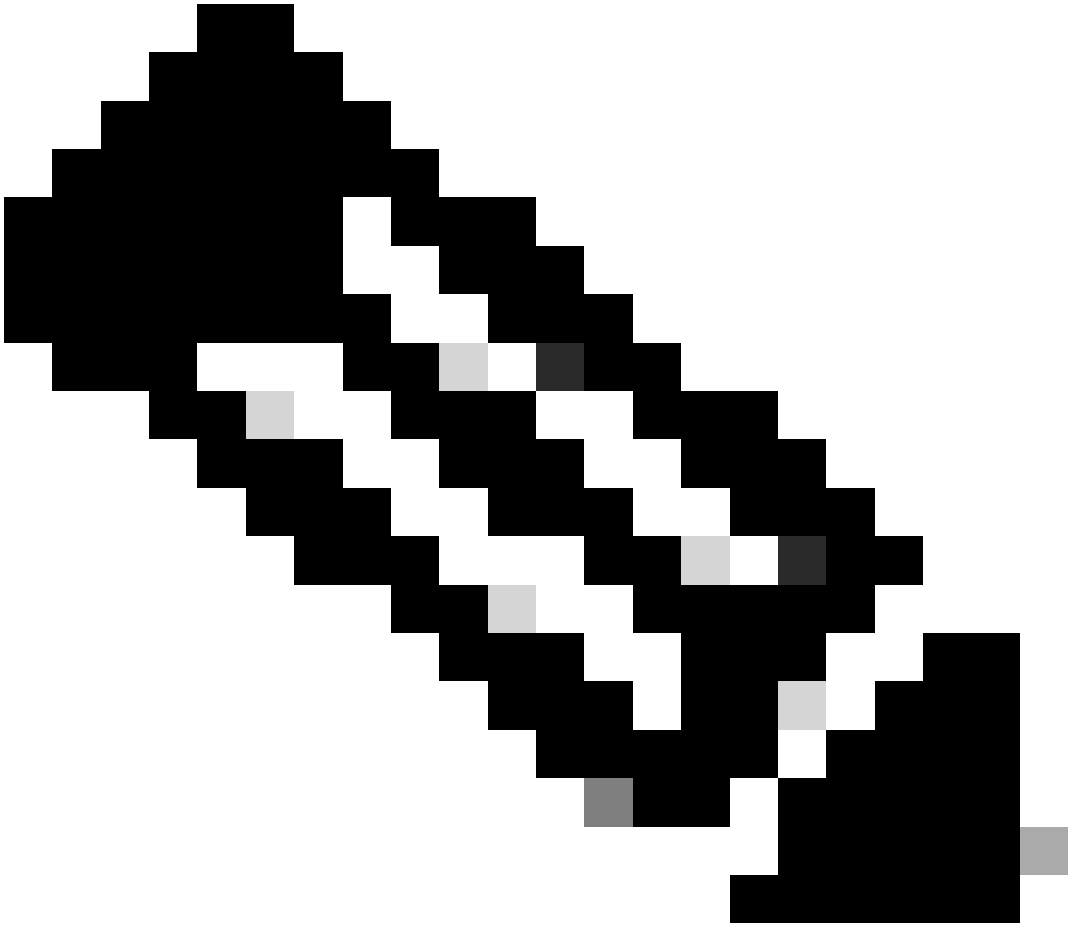


注意：當選取Export Packet Payload覈取方塊並計算RTM資料後，此模板用於從流量感測器引擎中的流插槽初始v9導出IPv6流資訊。

```
IPV6_FIRST_FLOW_DEEP_RTM_TEMPLATE_ID, 36
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
    NF_F_MIN_TTL, 1
```

```
NF_F_SRC_TOS, 1
NF_F_IP_SECTION_HEADER, 64
NF_F_IP_SECTION_PAYLOAD, 26
NF_F_FLOWSENSOR_INITIATOR, 1
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TRACES, 2
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
NF_F_FLOWSENSOR_RTT, 4
NF_F_FLOWSENSOR_SVR_RESP, 4
NF_F_FLOWSENSOR_RETRANSMITS, 2
NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv6流響應時間監控-模板331



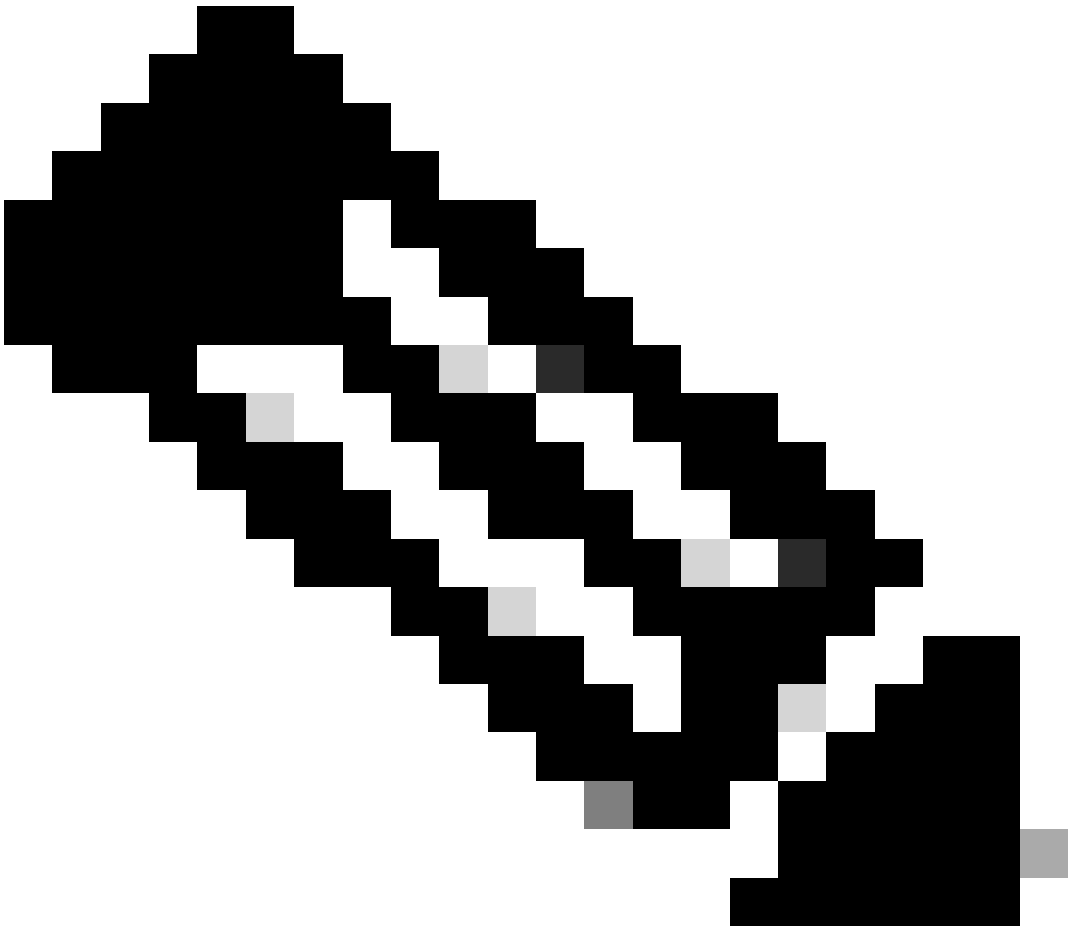
注意：此模板用於在計算RTM資料後從流量感測器引擎的流插槽中後續導出IPv6流資訊。

```
IPV6_FLOW_RTM_TEMPLATE_ID, 28
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT, 2
```

```
    NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT, 2
    NF_F_FLOWSENSOR_TRACES, 2
    NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL, 1
    NF_F_FLOWSENSOR_EMB_ICMP_TYPE, 1
    NF_F_FLOWSENSOR_EMB_ICMP_CODE, 1
    NF_F_FLOWSENSOR_RTT, 4
    NF_F_FLOWSENSOR_SVR_RESP, 4
    NF_F_FLOWSENSOR_RETRANSMITS, 2
    NF_F_FLOWSENSOR_APPLICATION_ID, 4
```

## IPv4目標電子郵件計數-模板332

---



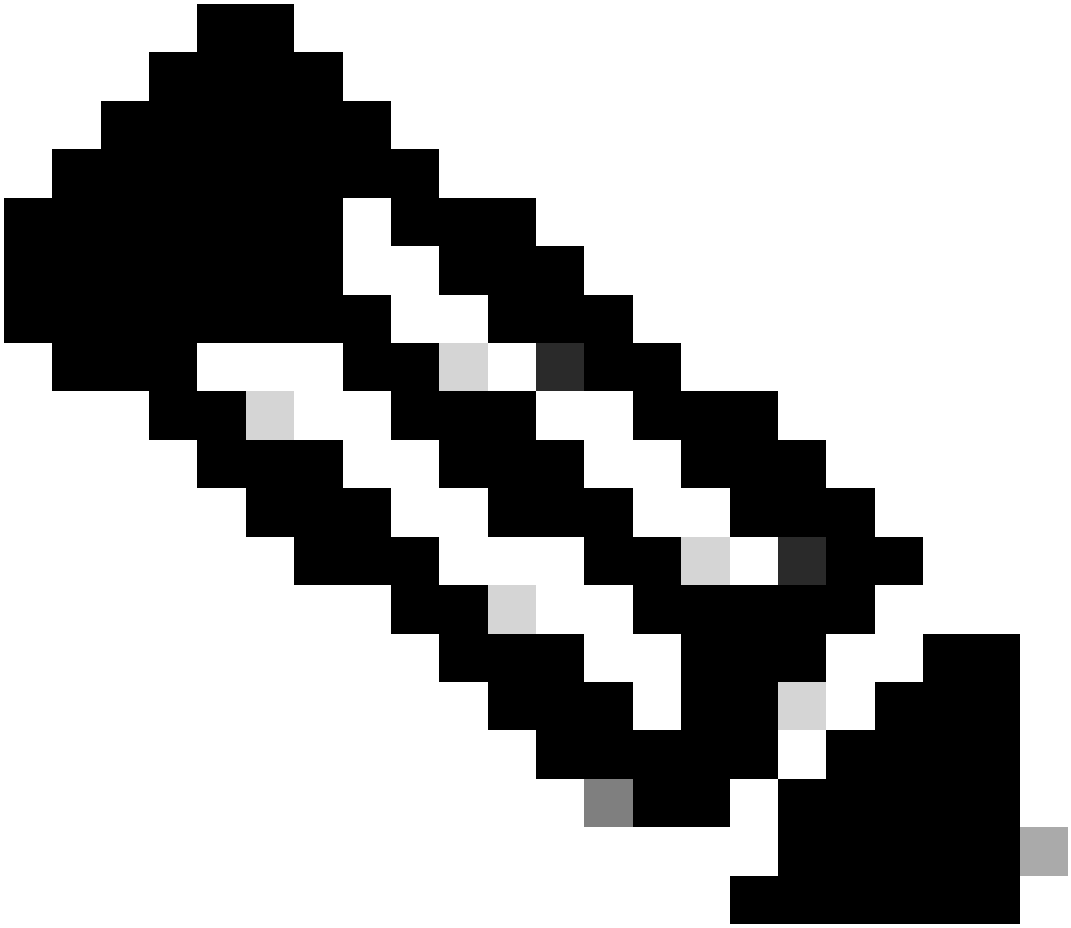
注意：此模板用於導出由流感測器引擎檢測到的目標IP地址接收的IPv4電子郵件計數資訊的v9。

---

```
IPV4_DST_EMAIL_COUNTS_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV4, 4
```

```
    NF_F_DST_ADDR_IPV4, 4
    NF_F_FLOWSENSOR_DST_EMAIL_IN, 4
    NF_F_FLOWSENSOR_DST_EMAIL_OUT, 4
    NF_F_FLOWSENSOR_DST_EMAIL_IN_MESS, 4
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_MESS, 4
    NF_F_FLOWSENSOR_DST_EMAIL_IN_TRYS, 4
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_TRYS, 4
```

## IPv6源電子郵件計數-模板333

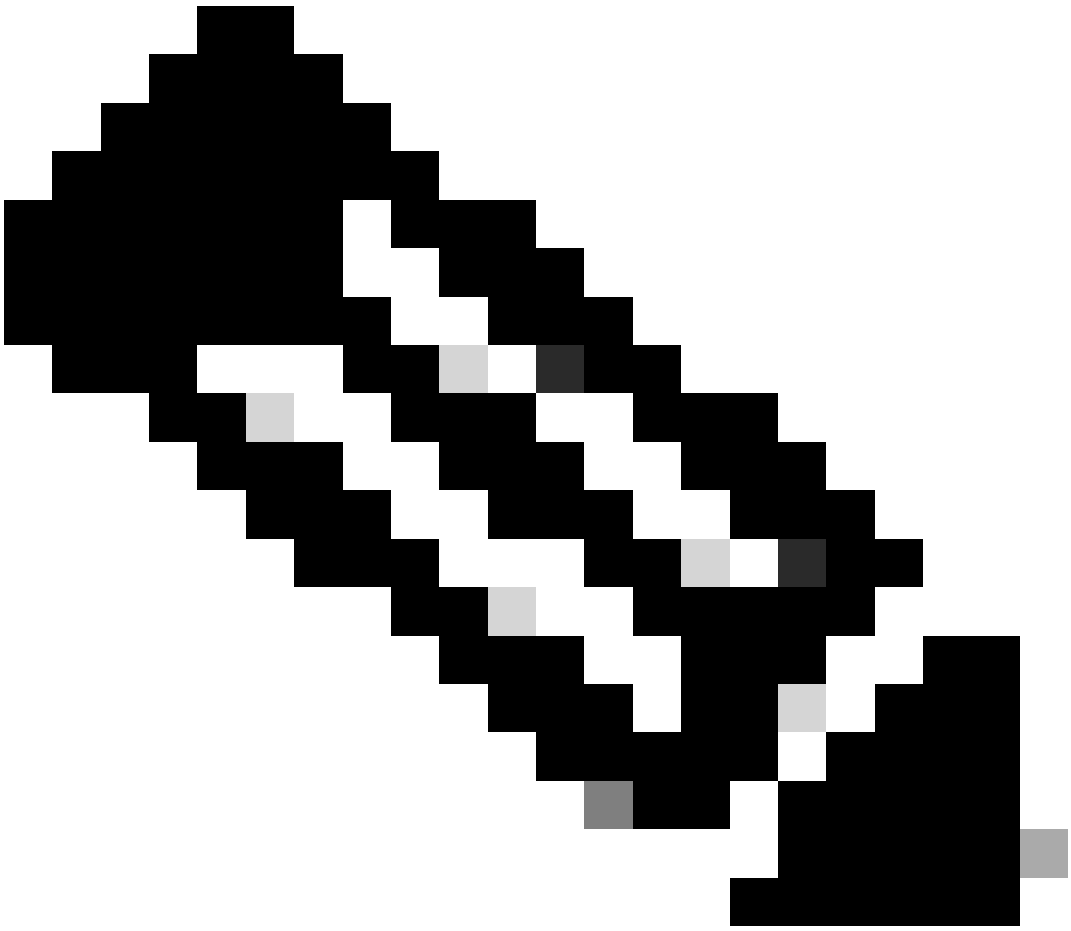


注意：此模板用於導出源自流感測器引擎檢測到的源IP地址的IPv6郵件計數資訊的v9。

```
IPV6_SRC_EMAIL_COUNTS_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_FLOWSENSOR_SRC_EMAIL_IN, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_MESS, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_MESS, 4
```

```
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_TRYS, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_TRYS, 4
```

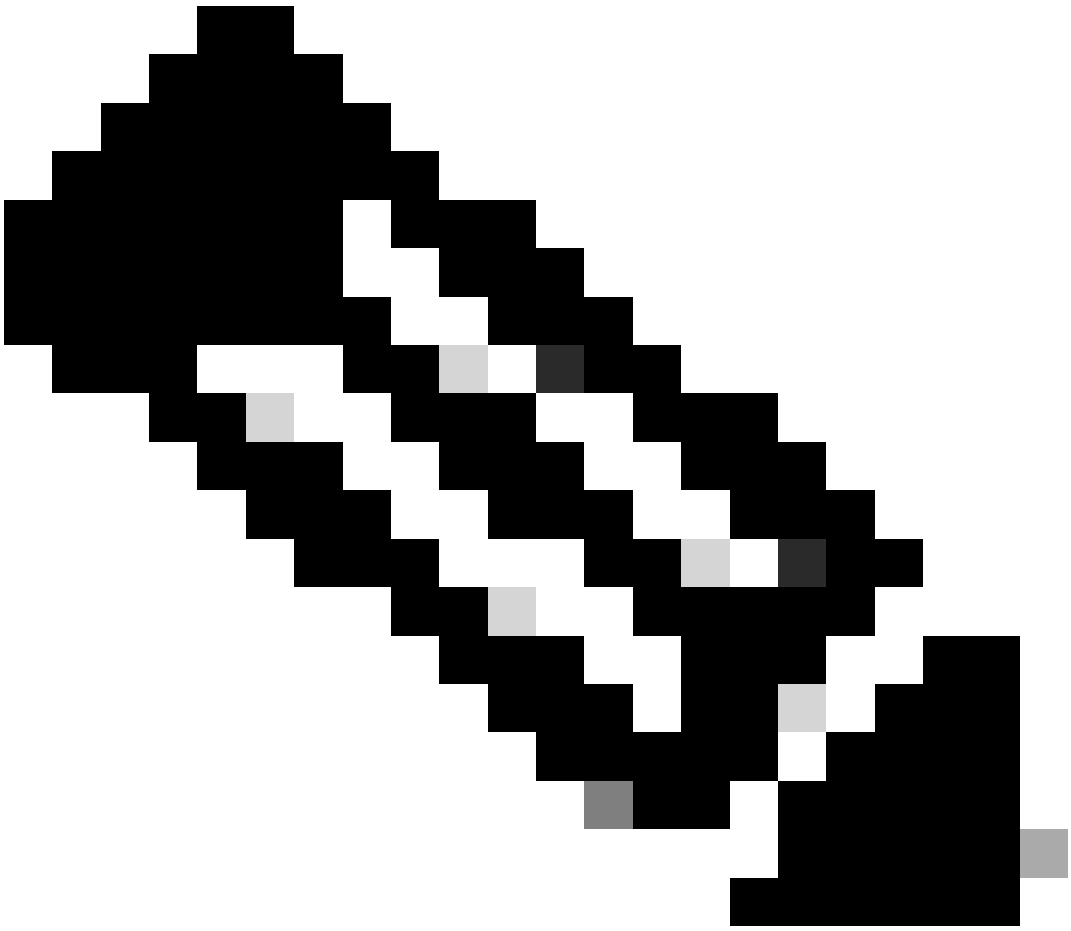
## IPv6目標電子郵件計數-模板334



注意：此模板用於導出由流感測器引擎檢測到的目標IP地址接收的IPv6電子郵件計數資訊的v9。

```
IPV6_DST_EMAIL_COUNTS_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_FLOWSENSOR_DST_EMAIL_IN, 4
    NF_F_FLOWSENSOR_DST_EMAIL_OUT, 4
    NF_F_FLOWSENSOR_DST_EMAIL_IN_MESS, 4
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_MESS, 4
    NF_F_FLOWSENSOR_DST_EMAIL_IN_TRYS, 4
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_TRYS, 4
```

## IPv4第一流IPFIX模板335

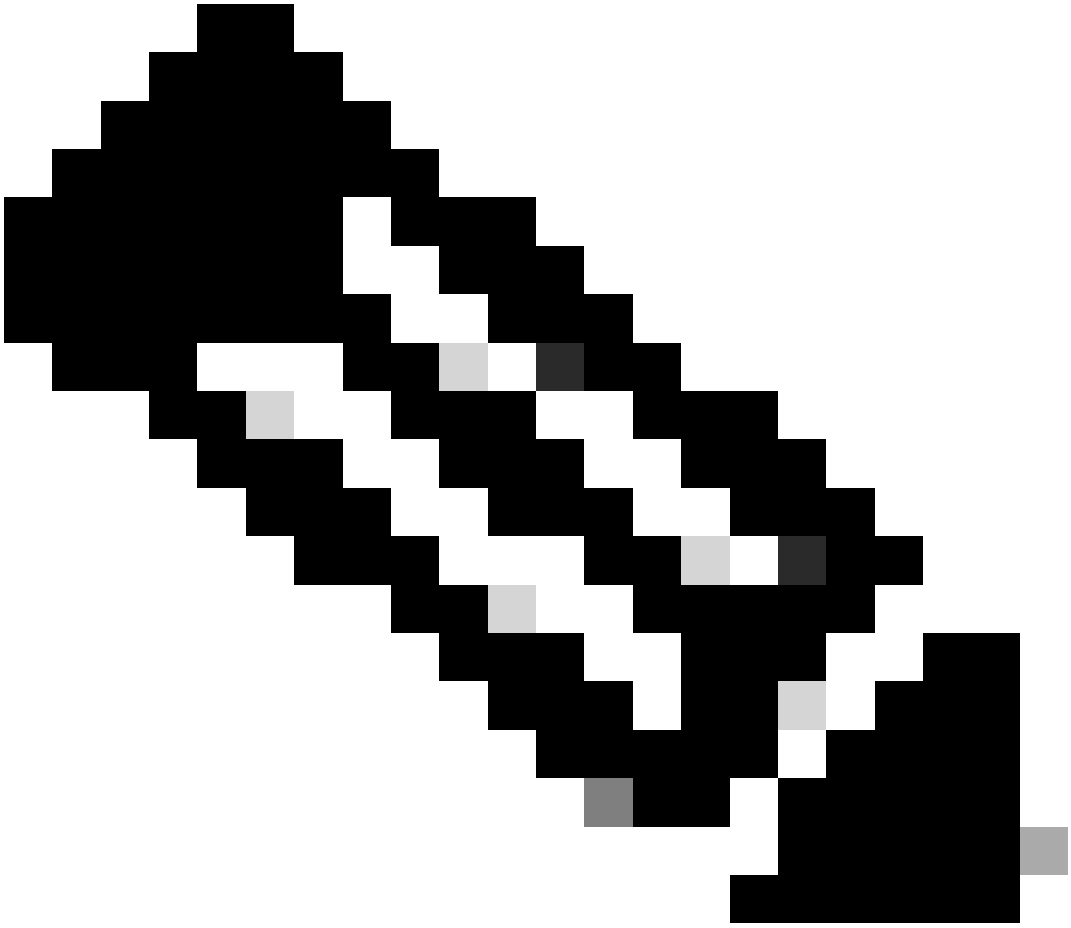


注意：此模板用於從流量感測器引擎中的流插槽初始IPFIX導出IPv4流資訊。

```
IPV4_FIRST_FLOW_IPFIX_TEMPLATE_ID, 33
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
```

```
NF_F_SRC_VLAN, 2
NF_F_MPLS_LABEL_1, 3
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv4第一流深度IPFIX -模板336

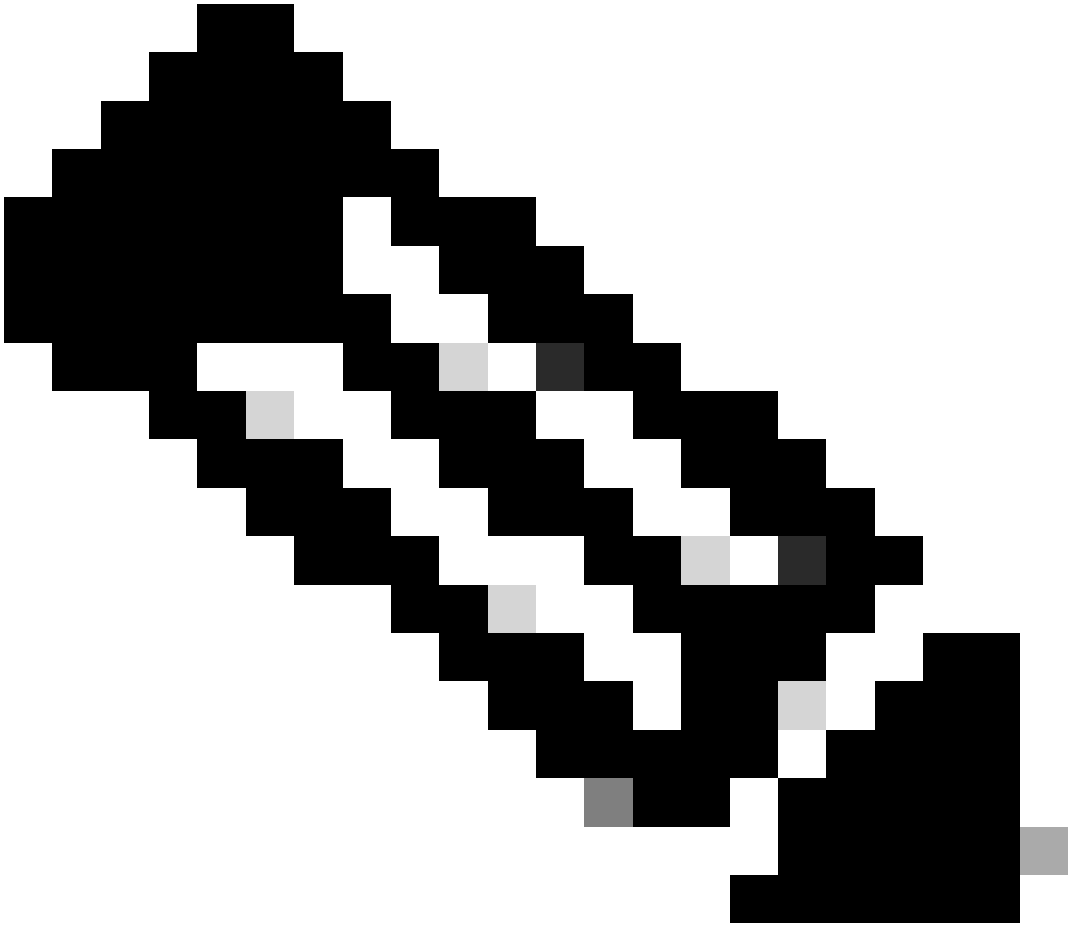


注意：當選取Export Packet Payload核取方塊時，此範本用於從流量感應器引擎的流量插槽初始IPFIX匯出IPv4流量資訊。

```
IPV4_FIRST_FLOW_DEEP_IPFIX_TEMPLATE_ID, 35
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
```

```
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_IP_SECTION_HEADER, 64
NF_F_IP_SECTION_PAYLOAD, 26
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv4流IPFIX -模板337



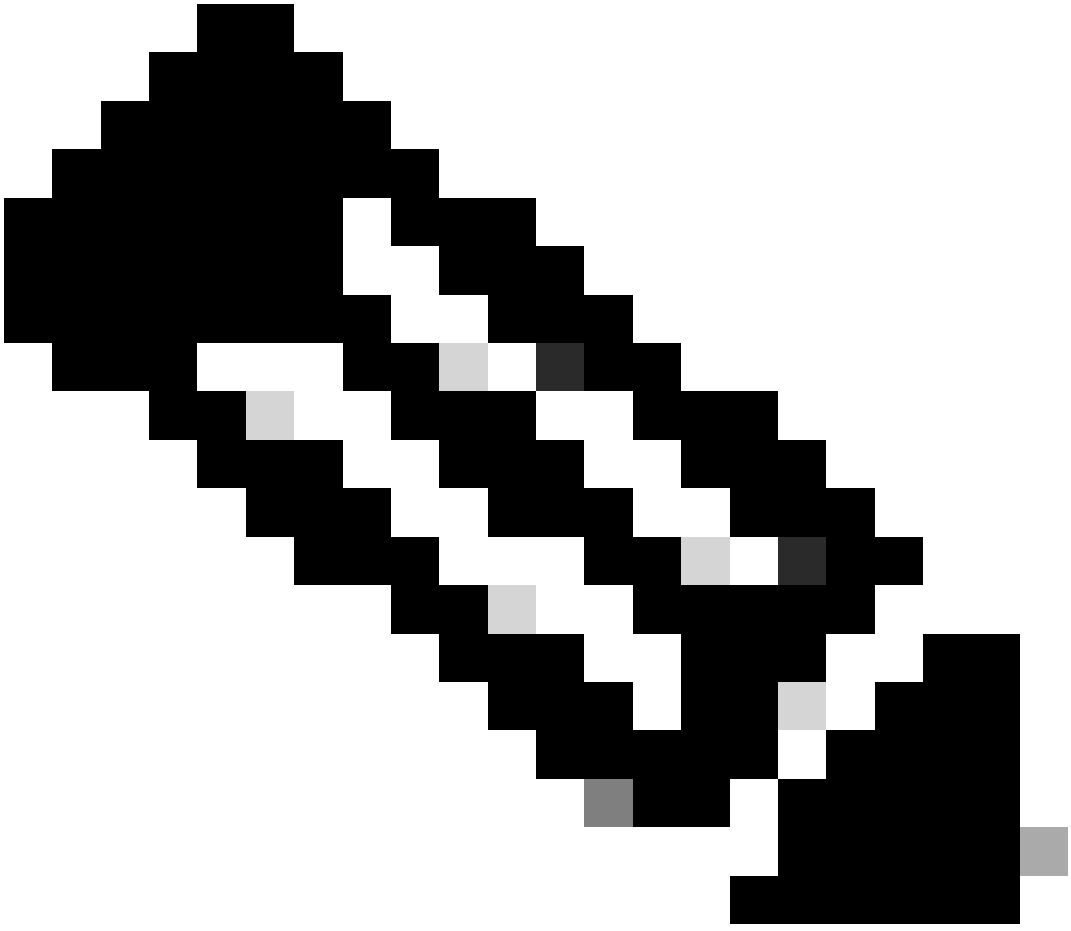
注意：此模板用於後續的IPFIX從流量感測器引擎的流插槽中導出IPv4流資訊。

```
IPV4_FLOW_IPFIX_TEMPLATE_ID, 27
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
```

```
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv4事件IPFIX -模板338

---

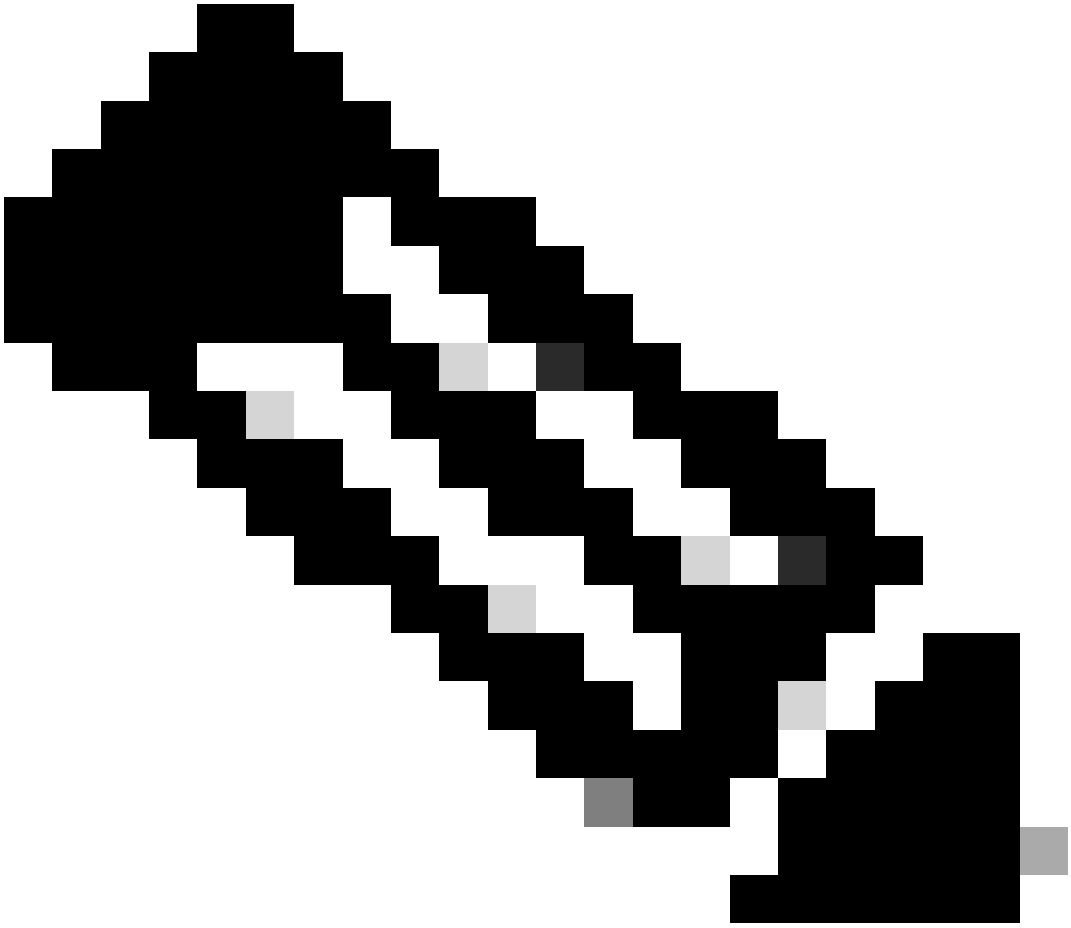


---

注意：此模板用於流感測器引擎檢測到的IPv4壞片段和標誌組合計數的IPFIX導出。

```
IPV4_EVENT_IPFIX_TEMPLATE_ID, 19
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_PROTOCOL, 1
    NF_F_FLOWSENSOR_BAD_FLAG_XMAS | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_SYN_FIN | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_BAD_RST | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_NO_ACK | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_URG | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_NOFLAG | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_TCP_PROBE | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_SHORT_FRAG_ATTACK | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_SHORT | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_LONG | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_FRAG_DIFFERENT_SIZES | 0x8000, 2
    0000, 8712
```

## IPv6第一流IPFIX -模板339

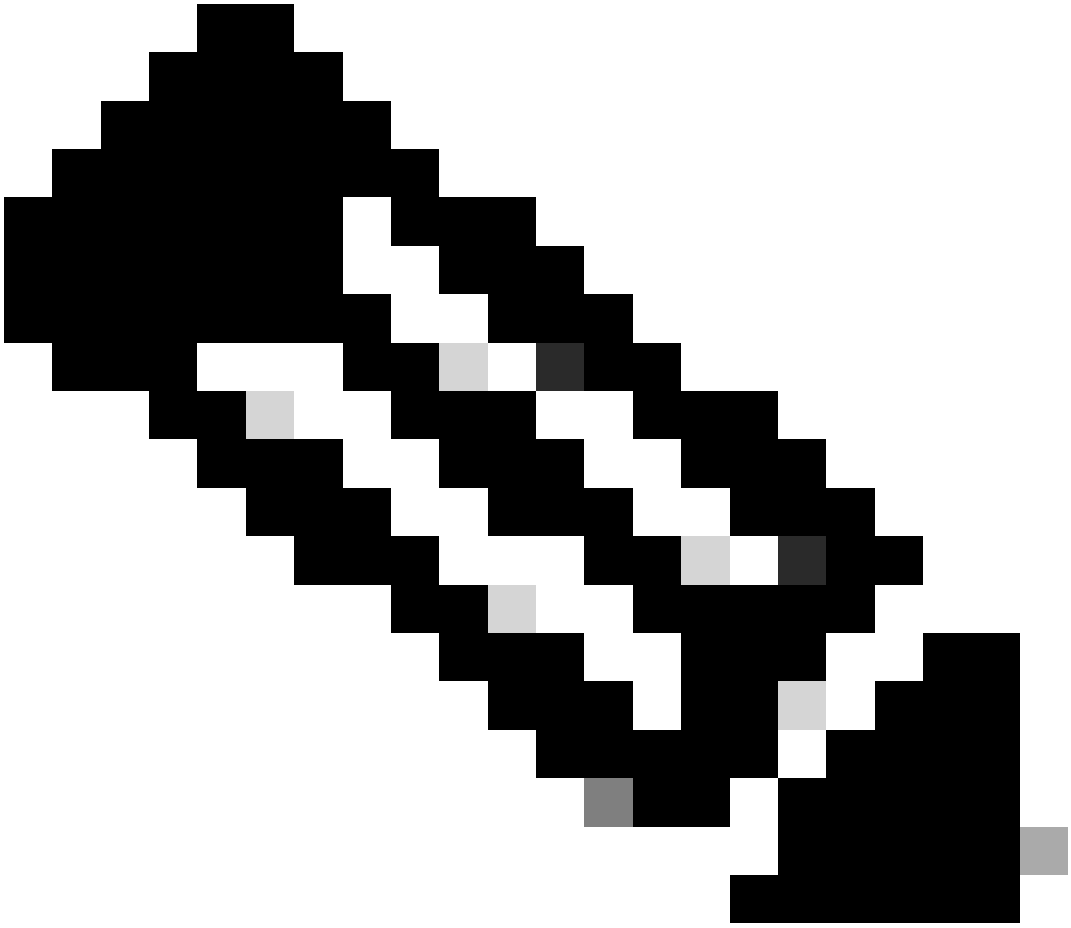


注意：此模板用於從流量感測器引擎中的流插槽初始IPFIX導出IPv6流資訊。

```
IPV6_FIRST_FLOW_IPFIX_TEMPLATE_ID, 33
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
    NF_F_MIN_TTL, 1
```

```
NF_F_SRC_TOS, 1
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv6第一流深度IPFIX -模板340

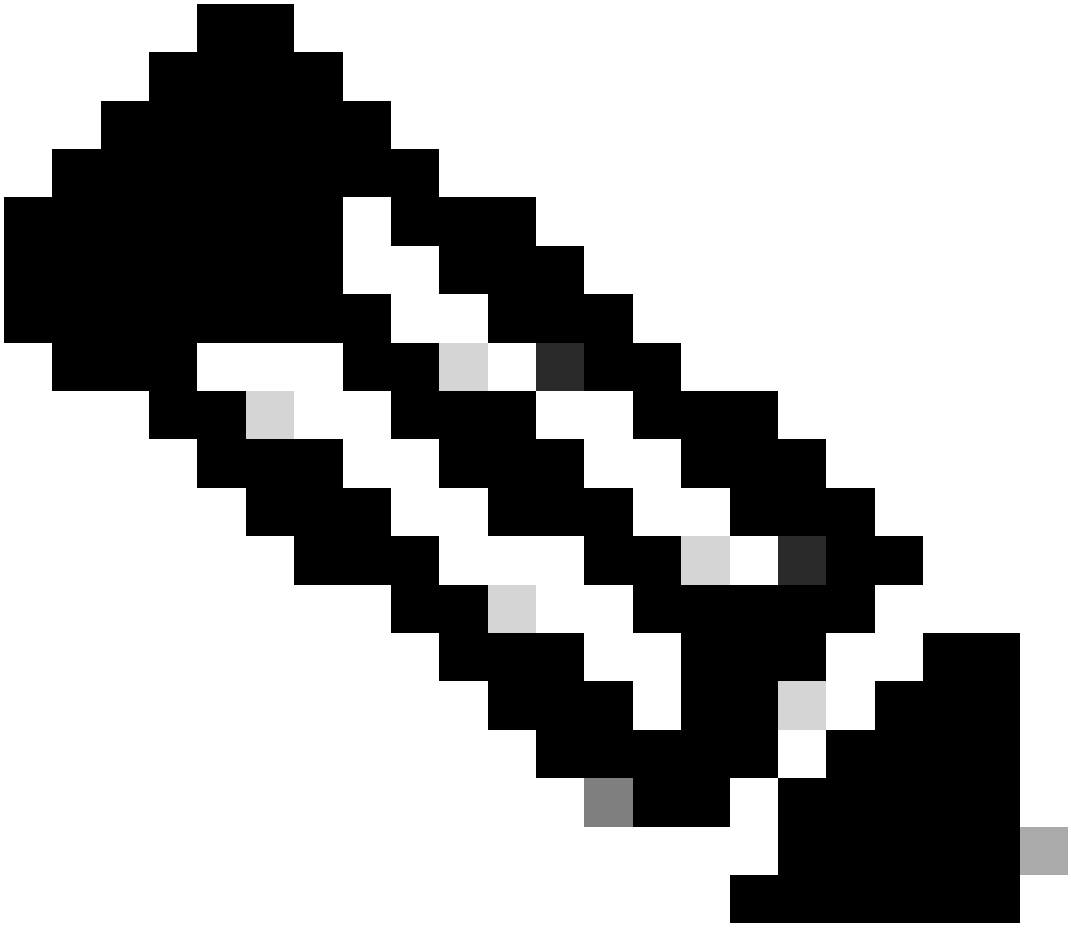


注意：當選取Export Packet Payload覈取方塊時，該模板用於從流量感測器引擎中的流插槽初始IPFIX導出IPv6流量資訊。

```
IPV6_FIRST_FLOW_DEEP_IPFIX_TEMPLATE_ID, 35
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
```

```
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_IP_SECTION_HEADER, 64
NF_F_IP_SECTION_PAYLOAD, 26
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv6流IPFIX -模板341



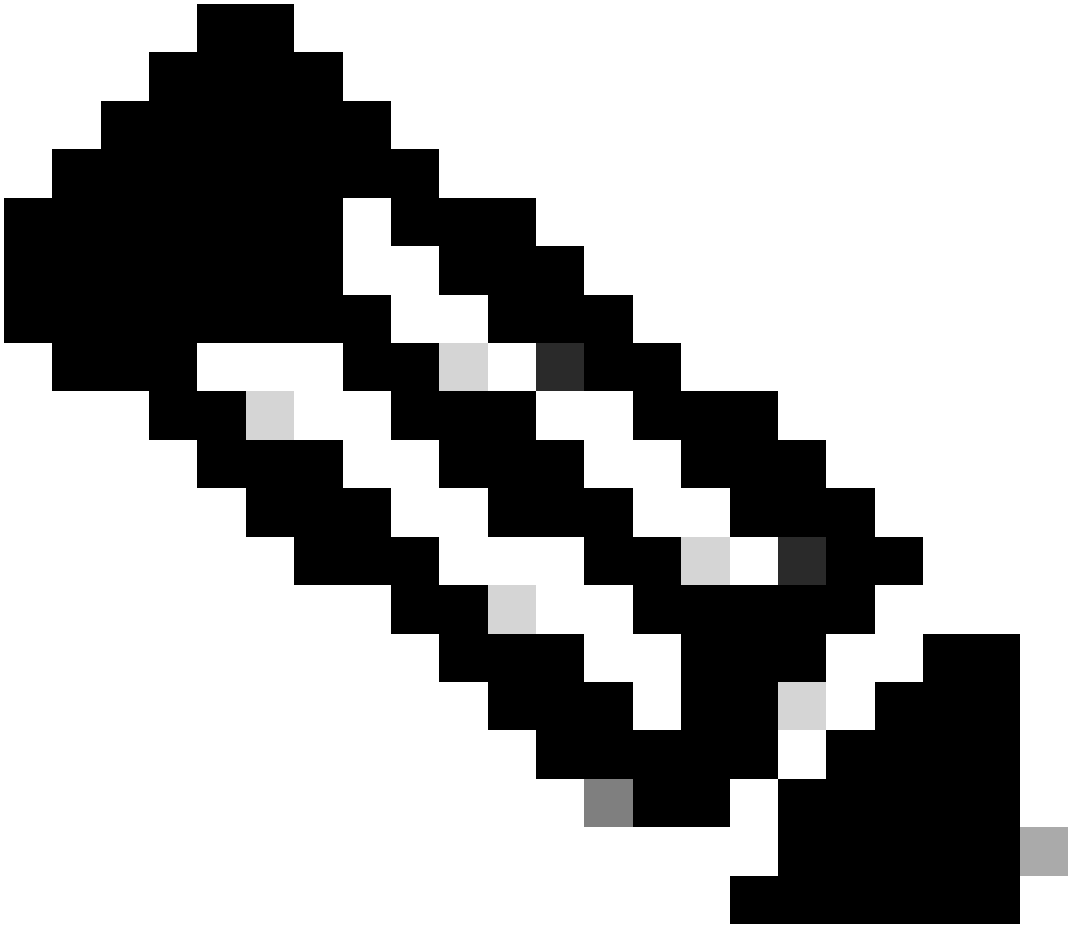
注意：此模板用於後續的IPFIX從流量感測器引擎的流插槽中導出IPv6流資訊。

```
IPV6_FLOW_IPFIX_TEMPLATE_ID, 27
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
    NF_F_TCP_RST_TOTAL_COUNT, 2
```

```
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv6事件IPFIX -模板342

---

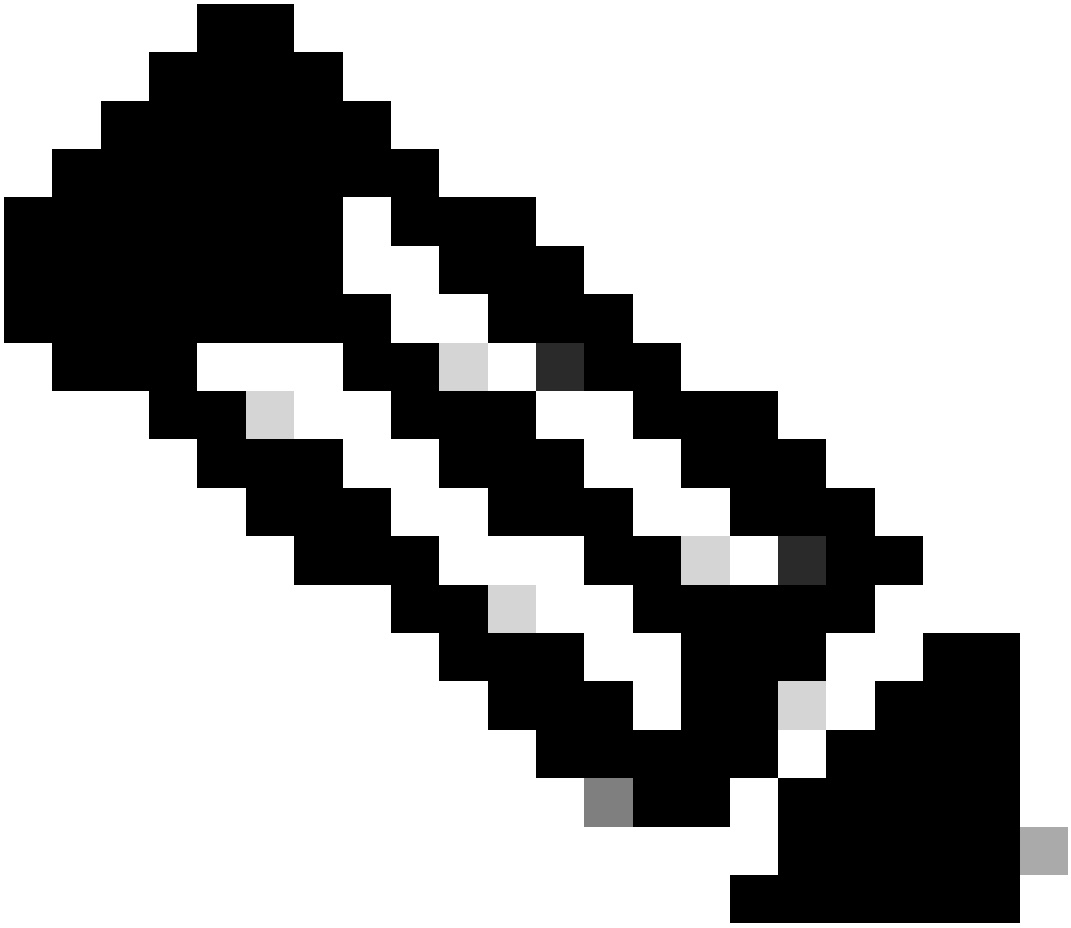


---

注意：此模板用於流感測器引擎檢測到的IPv6壞片段和標誌組合計數的IPFIX導出。

```
IPV6_EVENT_IPFIX_TEMPLATE_ID, 19
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_PROTOCOL, 1
    NF_F_FLOWSENSOR_BAD_FLAG_XMAS | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_SYN_FIN | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_BAD_RST | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_NO_ACK | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_URG | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_FLAG_NOFLAG | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_BAD_TCP_PROBE | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_SHORT_FRAG_ATTACK | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_SHORT | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_FRAG_PKT_TOO_LONG | 0x8000, 2
    0000, 8712
    NF_F_FLOWSENSOR_FRAG_DIFFERENT_SIZES | 0x8000, 2
    0000, 8712
```

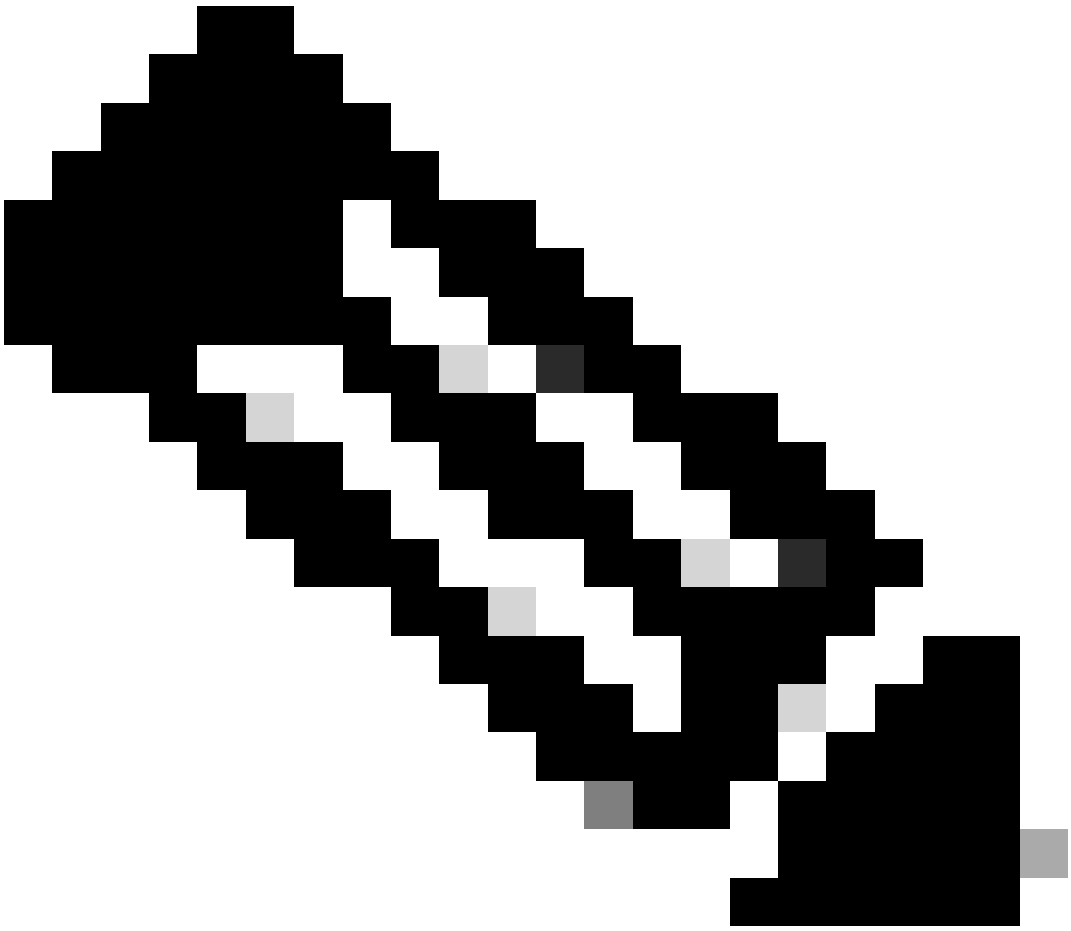
## IPv4源電子郵件計數IPFIX -模板343



注意：此模板用於導出源自流感測器引擎檢測到的源IP地址的IPv4郵件計數資訊的IPFIX。

```
IPV4_SRC_EMAIL_COUNTS_IPFIX_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_FLOWSENSOR_SRC_EMAIL_IN | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_TRYS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_TRYS | 0x8000, 4
    0000, 8712
```

## IPv4第一流響應時間監控-模板344

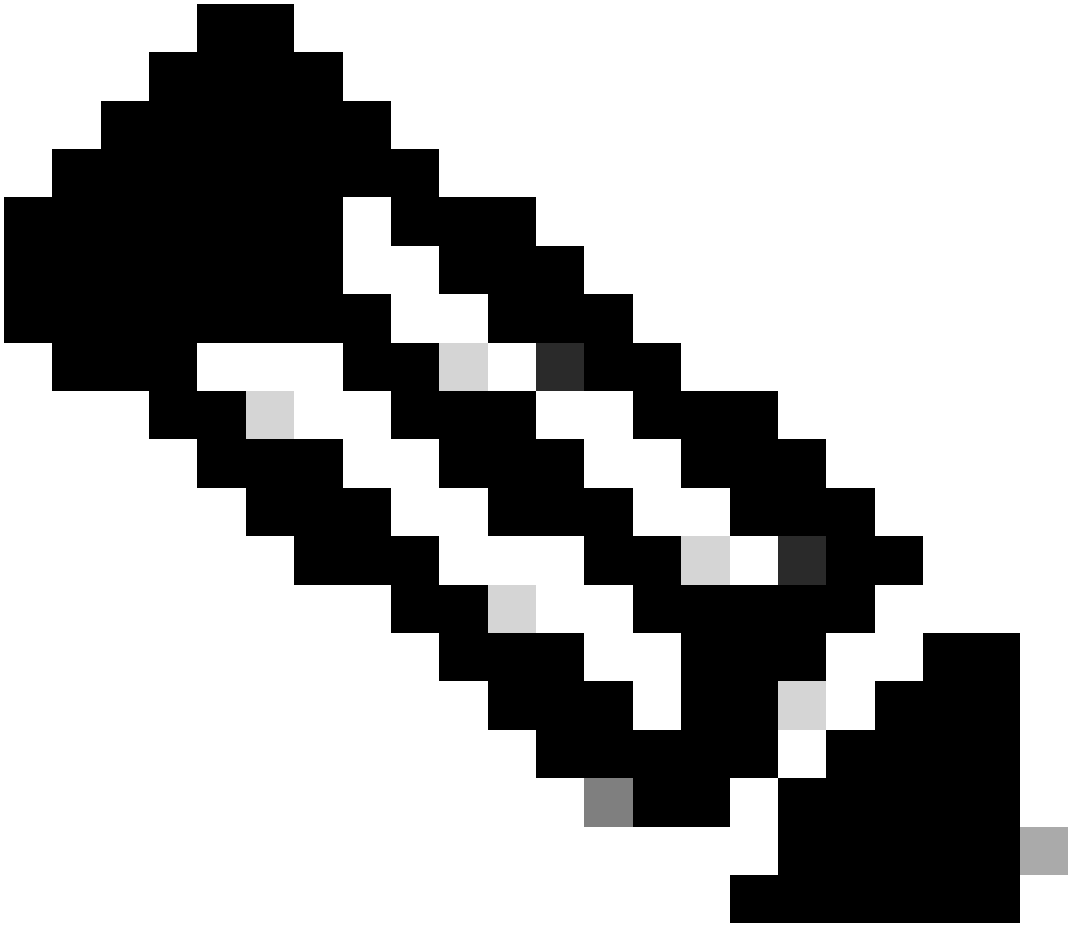


注意：此模板用於在計算RTM資料後從流量感測器引擎中的流插槽初始IPFIX導出IPv4流資訊。

```
IPV4_FIRST_FLOW_RTM_IPFIX_TEMPLATE_ID, 36
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
```

```
NF_F_TCP_FLAGS, 1
NF_F_SRC_VLAN, 2
NF_F_MPLS_LABEL_1, 3
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_RTT | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_SVR_RESP | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_RETRANSMITS | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv4第一流深度響應時間監控-模板345

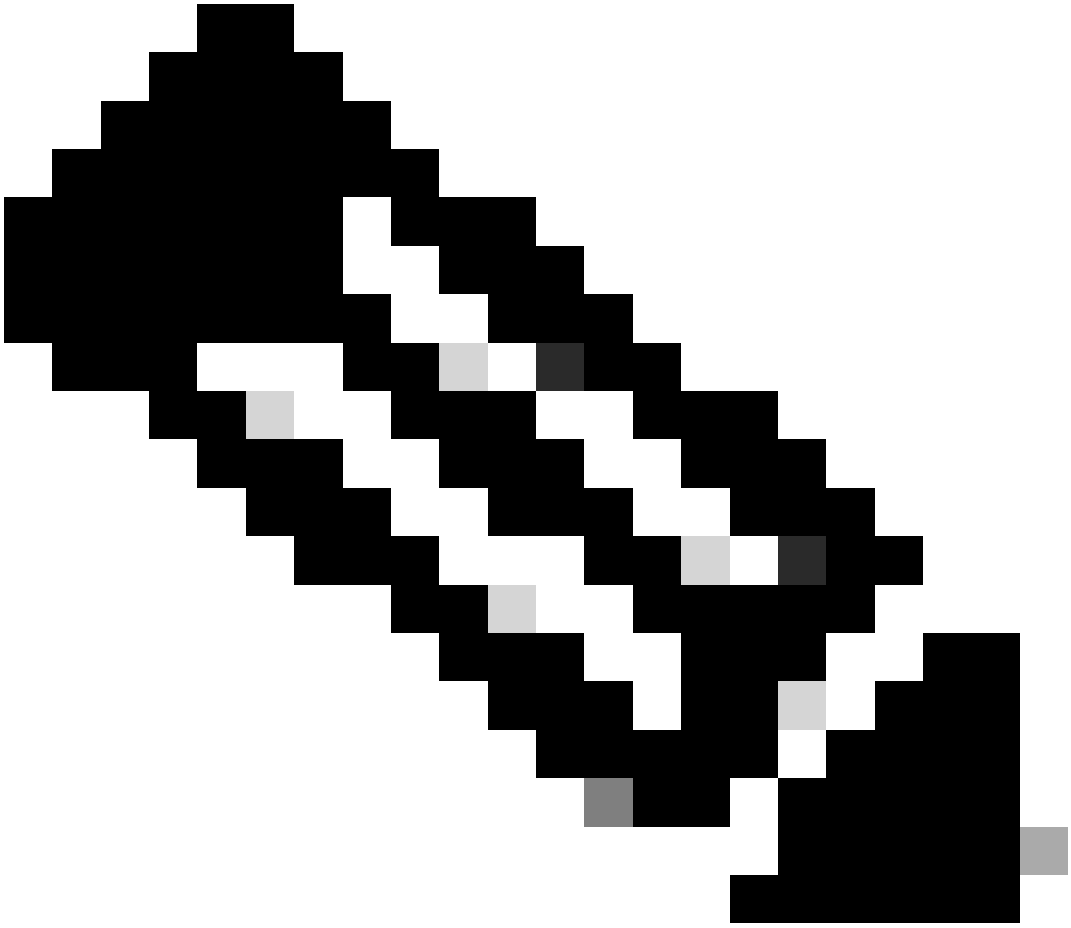


注意：當選取Export Packet Payload核取方塊時，此範本用於從流量感應器引擎的流量插槽初始IPFIX匯出IPv4流量資訊。

```
IPV4_FIRST_FLOW_DEEP_RTM_IPFIX_TEMPLATE_ID, 38
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
```

```
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_IP_SECTION_HEADER, 64
NF_F_IP_SECTION_PAYLOAD, 26
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_RTT | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_SVR_RESP | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_RETRANSMITS | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv4流響應時間監控IPFIX -模板346

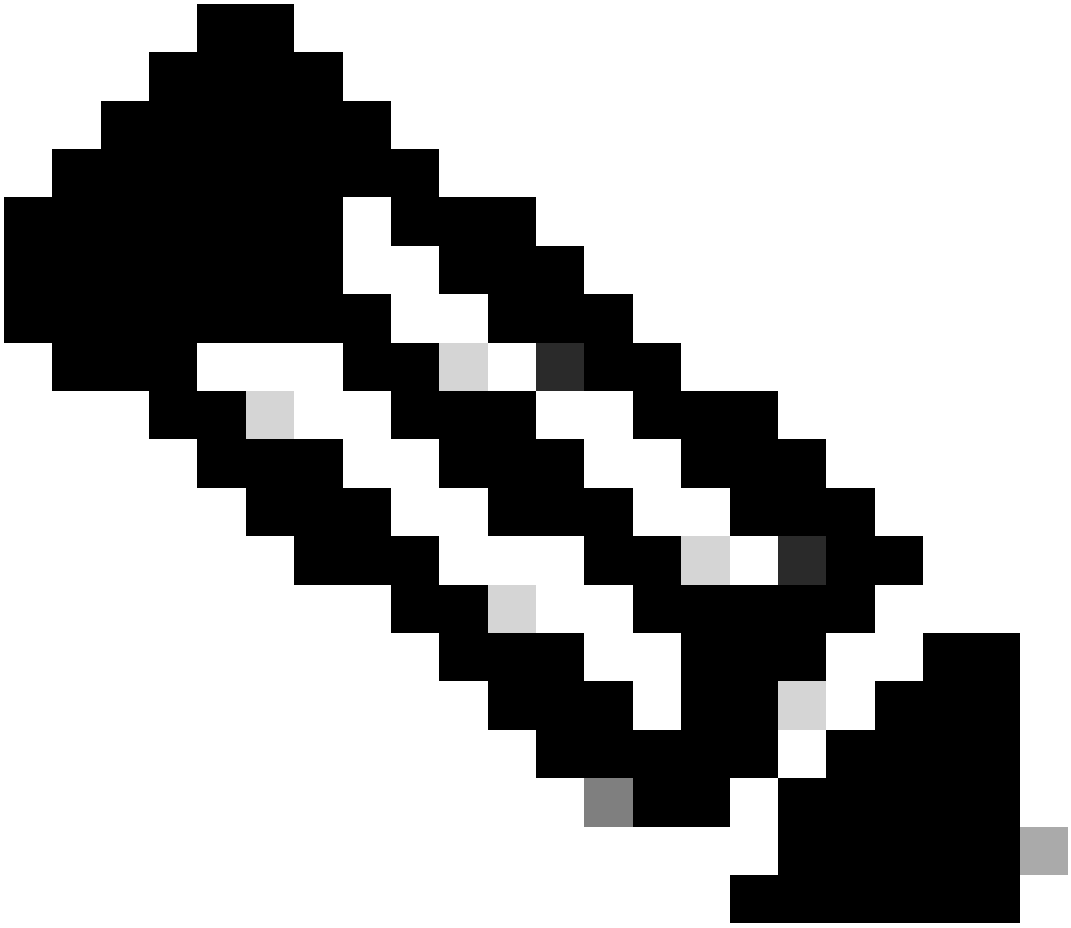


注意：此模板用於在計算RTM資料後對來自流量感測器引擎中的流插槽的IPv4流資訊進行後續IPFIX導出。

```
IPV4_FLOW_RTM_IPFIX_TEMPLATE_ID, 30
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
```

```
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_RTT | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_SVR_RESP | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_RETRANSMITS | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv6第一流響應時間監控IPFIX -模板347

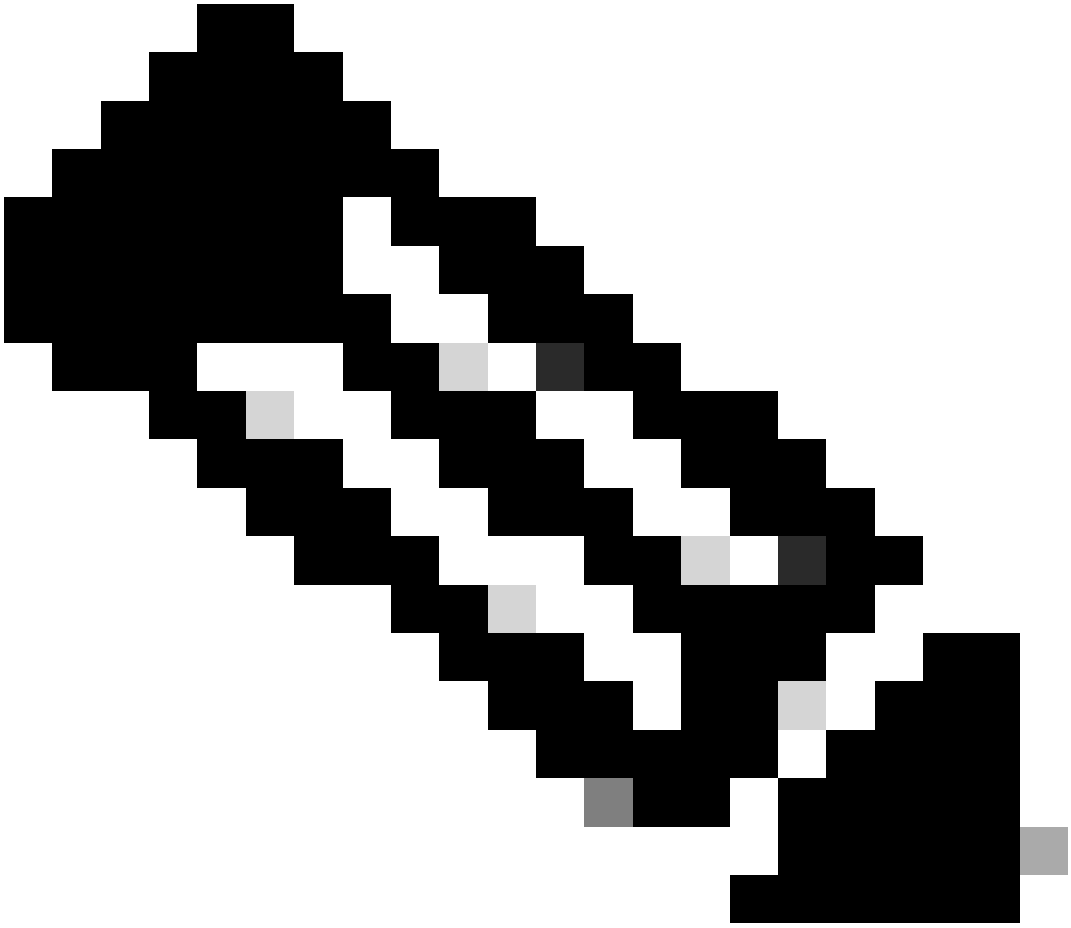


注意：此模板用於在計算RTM資料後從流量感測器引擎中的流插槽初始IPFIX導出IPv6流資訊。

```
IPV6_FIRST_FLOW_RTM_IPFIX_TEMPLATE_ID, 36
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
```

```
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_RTT | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_SVR_RESP | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_RETRANSMITS | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv6第一流深度RTM IPFIX -模板348

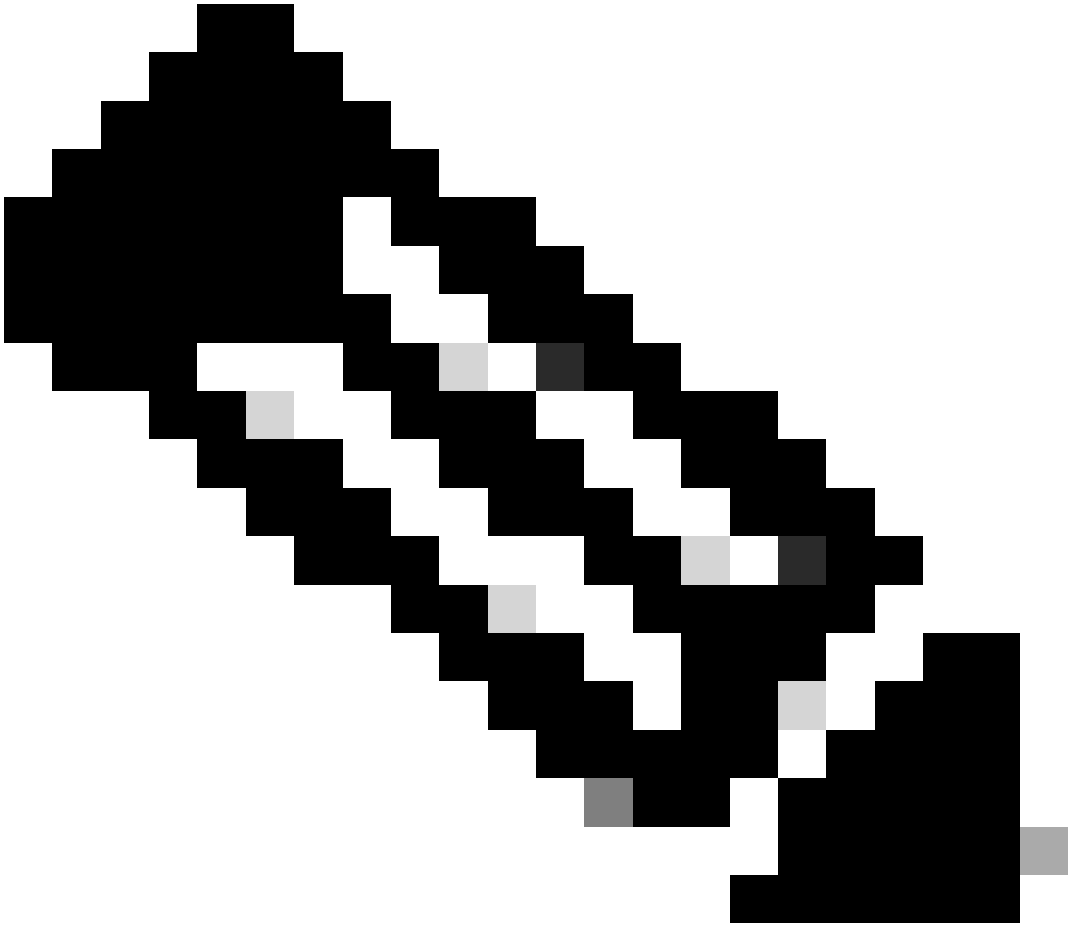


注意：當選取Export Packet Payload覈取方塊時，該模板用於從流量感測器引擎中的流插槽初始IPFIX導出IPv6流量資訊。

```
IPV6_FIRST_FLOW_DEEP_RTM_IPFIX_TEMPLATE_ID, 38
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_SRC_MAC, 6
    NF_F_OUT_DST_MAC, 6
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_SRC_VLAN, 2
    NF_F_MPLS_LABEL_1, 3
```

```
NF_F_MIN_TTL, 1
NF_F_SRC_TOS, 1
NF_F_IP_SECTION_HEADER, 64
NF_F_IP_SECTION_PAYLOAD, 26
NF_F_FLOWSENSOR_INITIATOR | 0x8000, 1
0000, 8712
NF_F_TCP_SYN_TOTAL_COUNT, 2
NF_F_TCP_ACK_TOTAL_COUNT, 2
NF_F_TCP_FIN_TOTAL_COUNT, 2
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_RTT | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_SVR_RESP | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_RETRANSMITS | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

## IPv6流響應時間監控-模板349

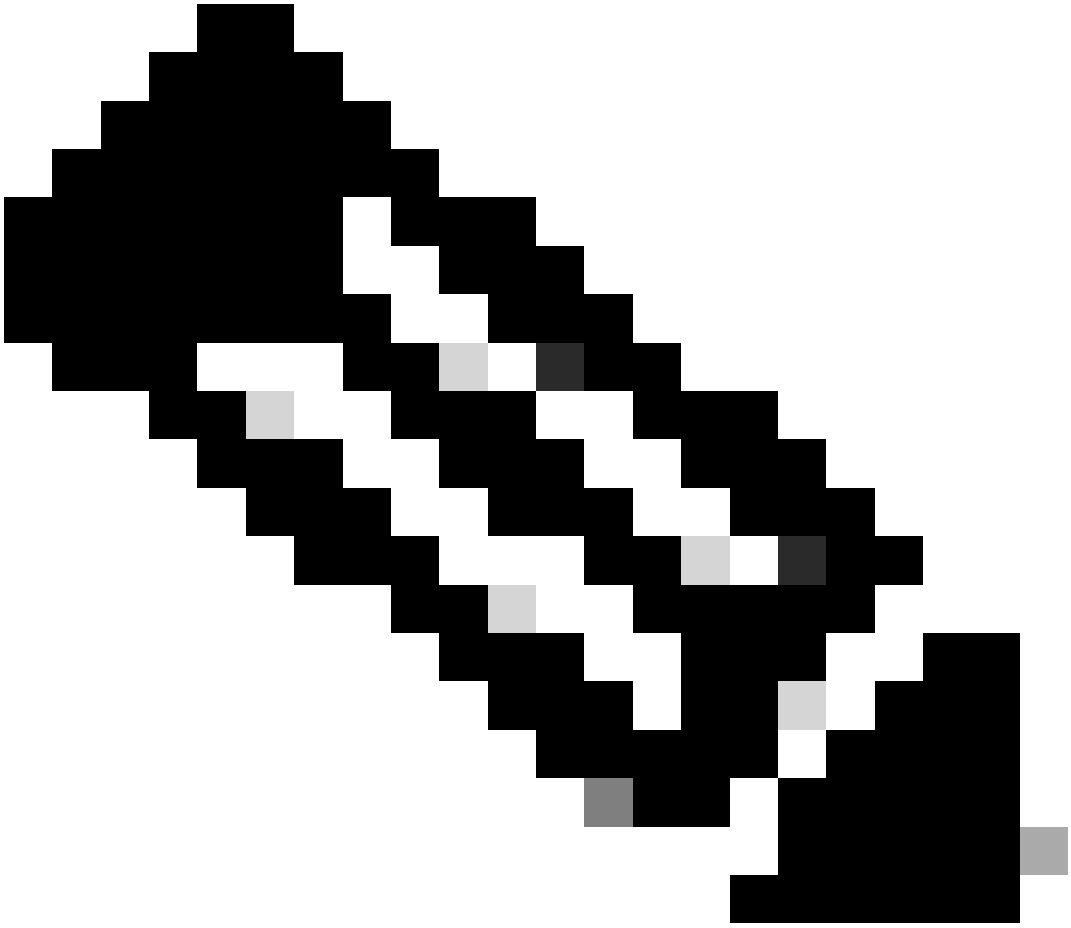


注意：此模板用於在計算RTM資料後從流量感測器引擎的流插槽中進行IPv6流資訊的後續IPFIX導出。

```
IPV6_FLOW_RTM_IPFIX_TEMPLATE_ID, 30
    NF_F_FIRST_SWITCHED, 4
    NF_F_LAST_SWITCHED, 4
    NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_L4_SRC_PORT, 2
    NF_F_L4_DST_PORT, 2
    NF_F_IN_BYTES, 4
    NF_F_IN_PKTS, 4
    NF_F_SRC_INTF_ID, 2
    NF_F_DST_INTF_ID, 2
    NF_F_PROTOCOL, 1
    NF_F_TCP_FLAGS, 1
    NF_F_MIN_TTL, 1
    NF_F_TCP_SYN_TOTAL_COUNT, 2
    NF_F_TCP_ACK_TOTAL_COUNT, 2
    NF_F_TCP_FIN_TOTAL_COUNT, 2
```

```
NF_F_TCP_RST_TOTAL_COUNT, 2
NF_F_FLOWSENSOR_TCP_BAD_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SRS_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TCP_SYN_ACK_TOTAL_COUNT | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_TRACES | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_PROTOCOL | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_TYPE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_EMB_ICMP_CODE | 0x8000, 1
0000, 8712
NF_F_FLOWSENSOR_RTT | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_SVR_RESP | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_RETRANSMITS | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_ID | 0x8000, 4
0000, 8712
NF_F_FLOWSENSOR_APPLICATION_DETAILS | 0x8000, 65535
0000, 8712
```

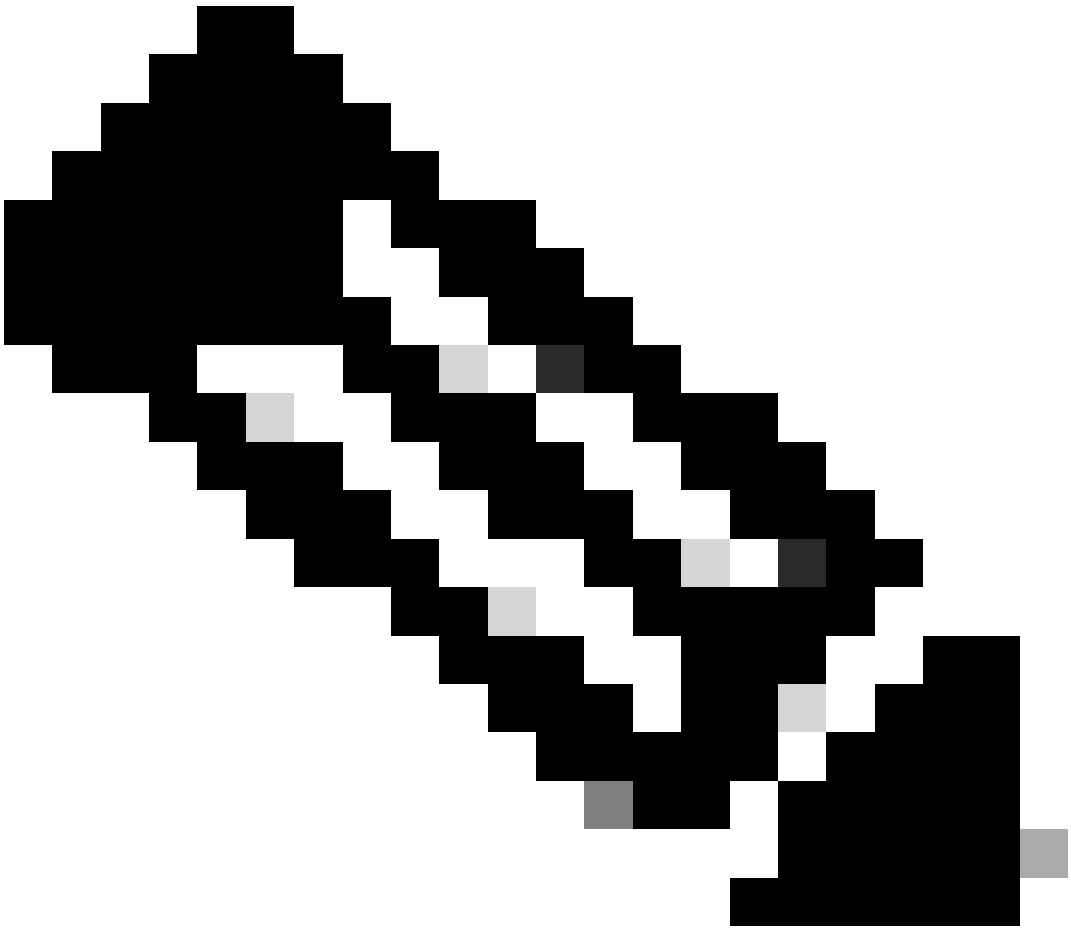
## IPv4目標電子郵件計數IPFIX -模板350



注意：此模板用於導出由流感測器引擎檢測到的目標IP地址接收的IPv4電子郵件計數資訊的IPFIX。

```
IPV4_DST_EMAIL_COUNTS_IPFIX_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV4, 4
    NF_F_DST_ADDR_IPV4, 4
    NF_F_FLOWSENSOR_DST_EMAIL_IN | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_OUT | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_IN_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_IN_TRYS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_TRYS | 0x8000, 4
    0000, 8712
```

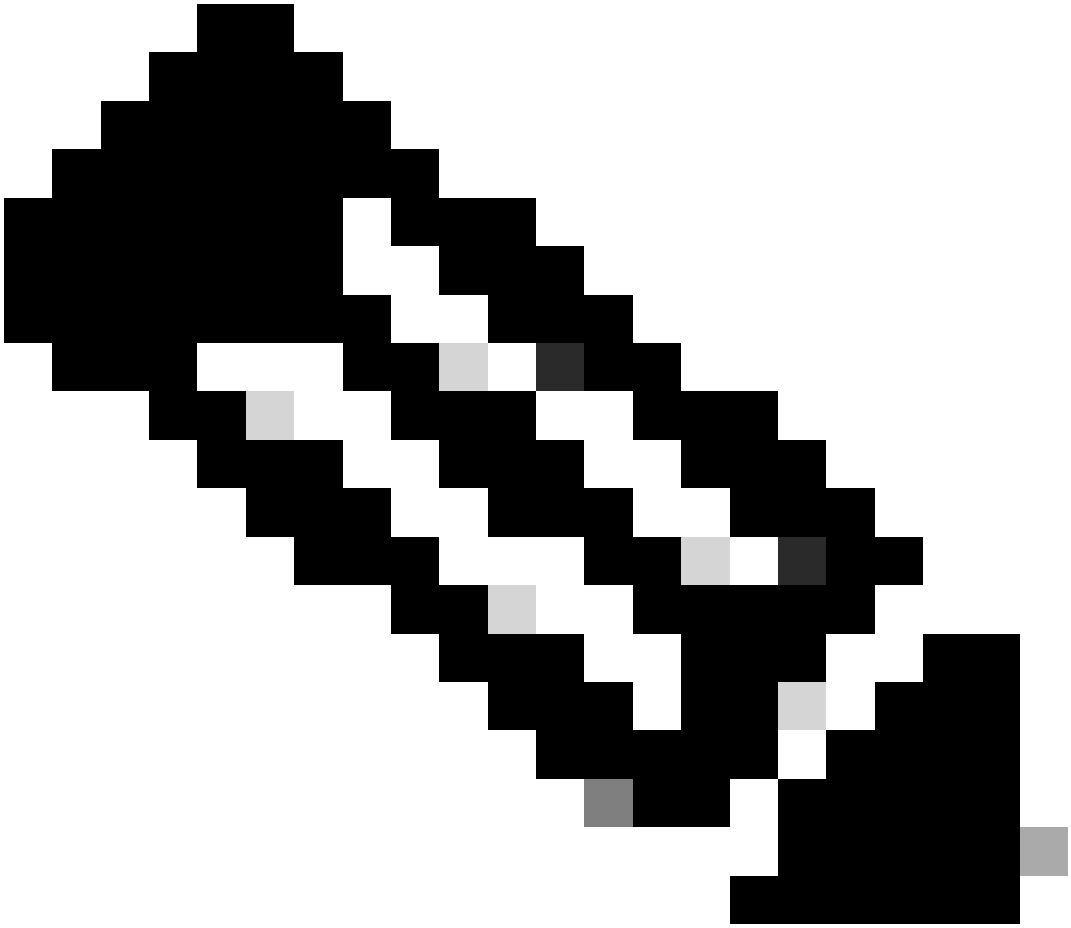
## IPv6源電子郵件計數IPFIX -模板351



注意：此模板用於導出源自流感測器引擎檢測到的源IP地址的IPv6電子郵件計數資訊的IPFIX。

```
IPV6_SRC_EMAIL_COUNTS_IPFIX_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_FLOWSENSOR_SRC_EMAIL_IN | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_IN_TRYS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_SRC_EMAIL_OUT_TRYS | 0x8000, 4
    0000, 8712
```

## IPv6目標電子郵件計數IPFIX -模板352

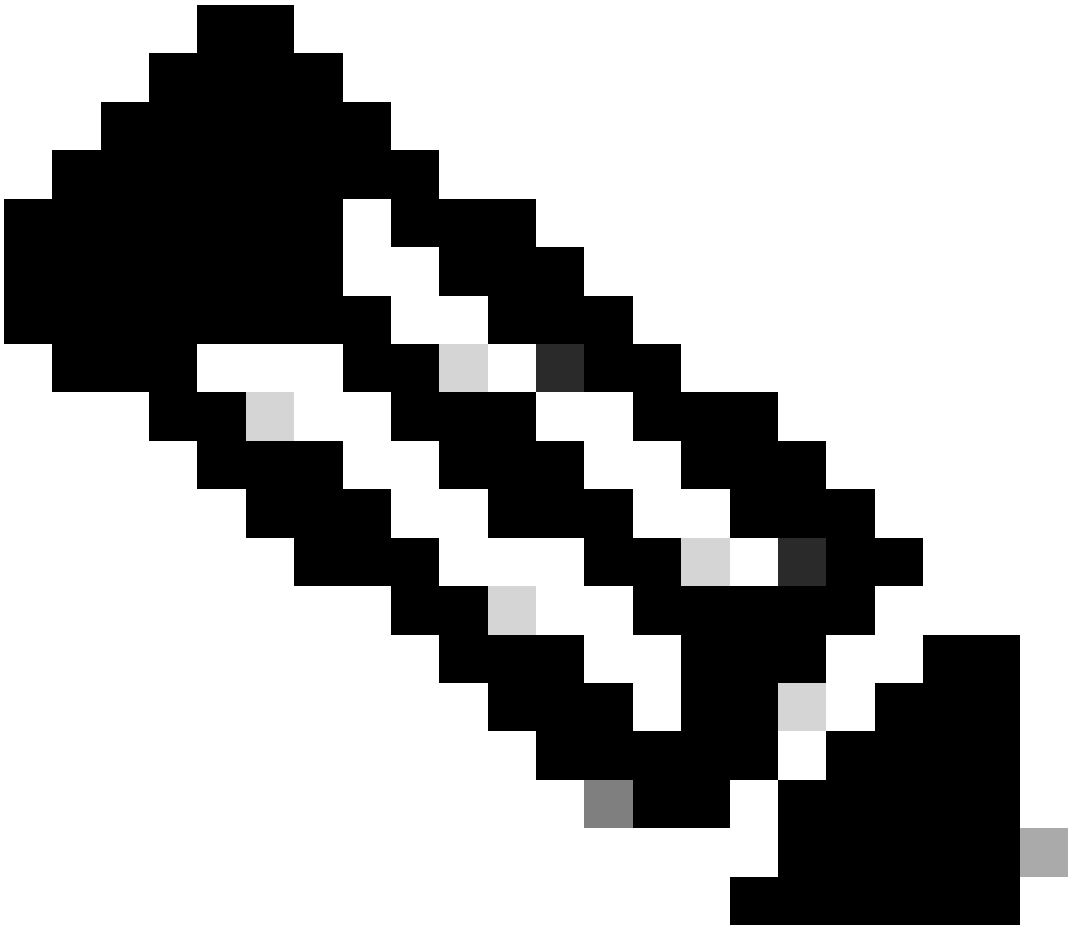


注意：此模板用於導出由流感測器引擎檢測到的目標IP地址接收的IPv6電子郵件計數資訊的IPFIX。

```
IPV6_DST_EMAIL_COUNTS_IPFIX_TEMPLATE_ID, 8
    NF_F_SRC_ADDR_IPV6, 16
    NF_F_DST_ADDR_IPV6, 16
    NF_F_FLOWSENSOR_DST_EMAIL_IN | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_OUT | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_IN_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_MESS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_IN_TRYS | 0x8000, 4
    0000, 8712
    NF_F_FLOWSENSOR_DST_EMAIL_OUT_TRYS | 0x8000, 4
```

0000, 8712

## ETTA模板353-372



註：這些模板用於從流量感測器傳送ETA資料。這些模板的內容無法用於撰寫本文。

關於此翻譯

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