

# Controleer Flow Sensor NetFlow-sjablonen en informatie-elementen

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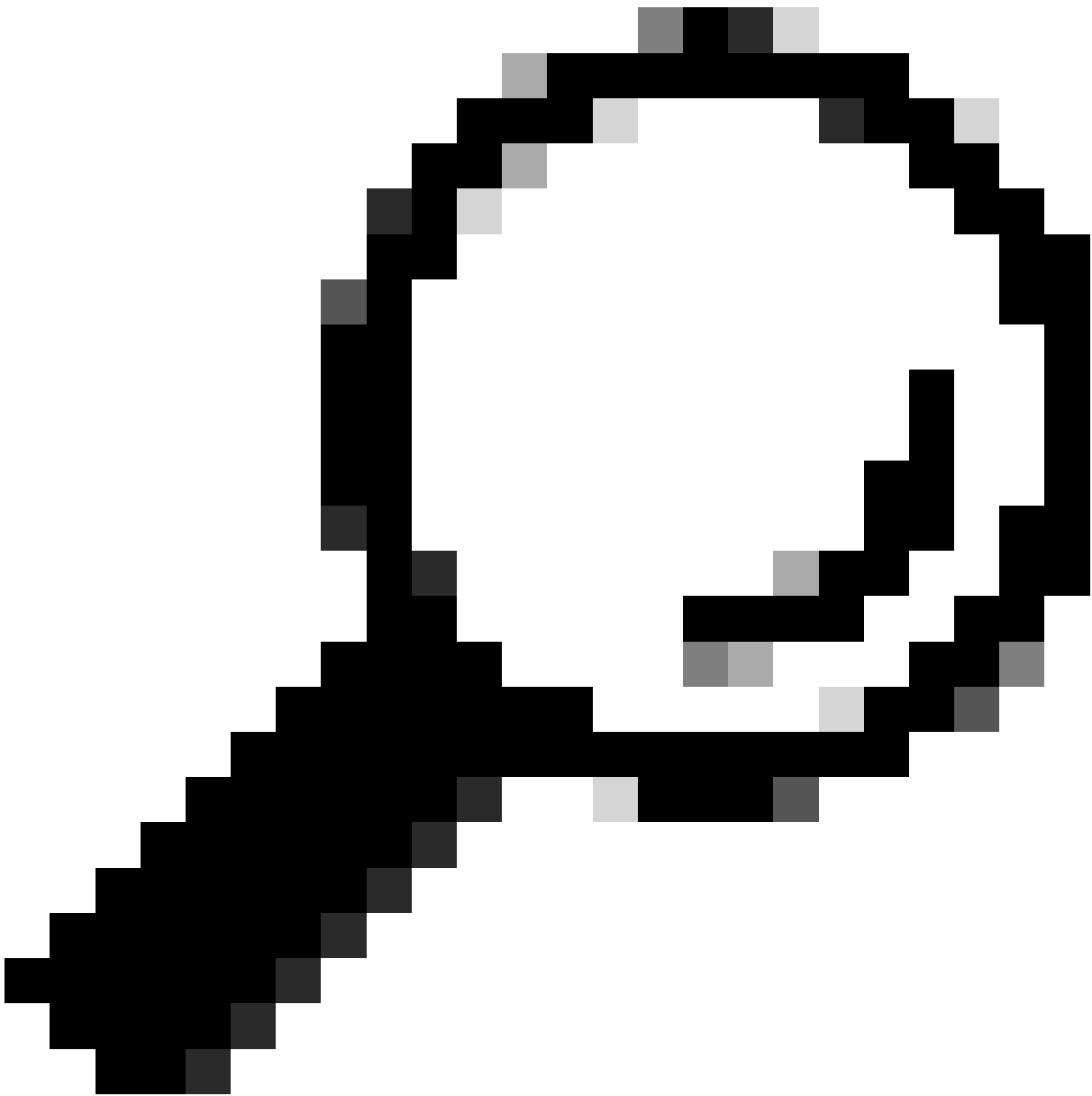
## Inleiding

Dit document beschrijft de NetFlow-sjablonen die worden gebruikt door de SNA Flow Sensor, dit bevat informatie over Enterprise-specifieke elementen.

## Voorwaarden

De hier gebruikte NetFlow-element-ID's zijn standaard netflow-protocol, maar de sjablooninformatie en welke elementen in elke sjabloon zijn op elk moment onderhevig aan verandering.

## Sjabloon-ID's



Tip: vanaf SNA versie 7.3 lijkt de Flow Sensor alleen sjabloon ID's 335-352 standaard te verzenden, dat zijn de IPFIX-sjablonen. Alle IPFIX-sjablonen worden elke 60 seconden verzonden, ongeacht het type verkeer dat wordt gezien door de controlepoort van de Flow Sensor (bijvoorbeeld IPv4 vs IPv6).

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Opmerking: de sjablonen met een asterisk (\*) naast ze bevatten de basis NetFlow v9/IPFIX velden gevonden op de IANA lijst voor standaard flow creatie en analyse.

---

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

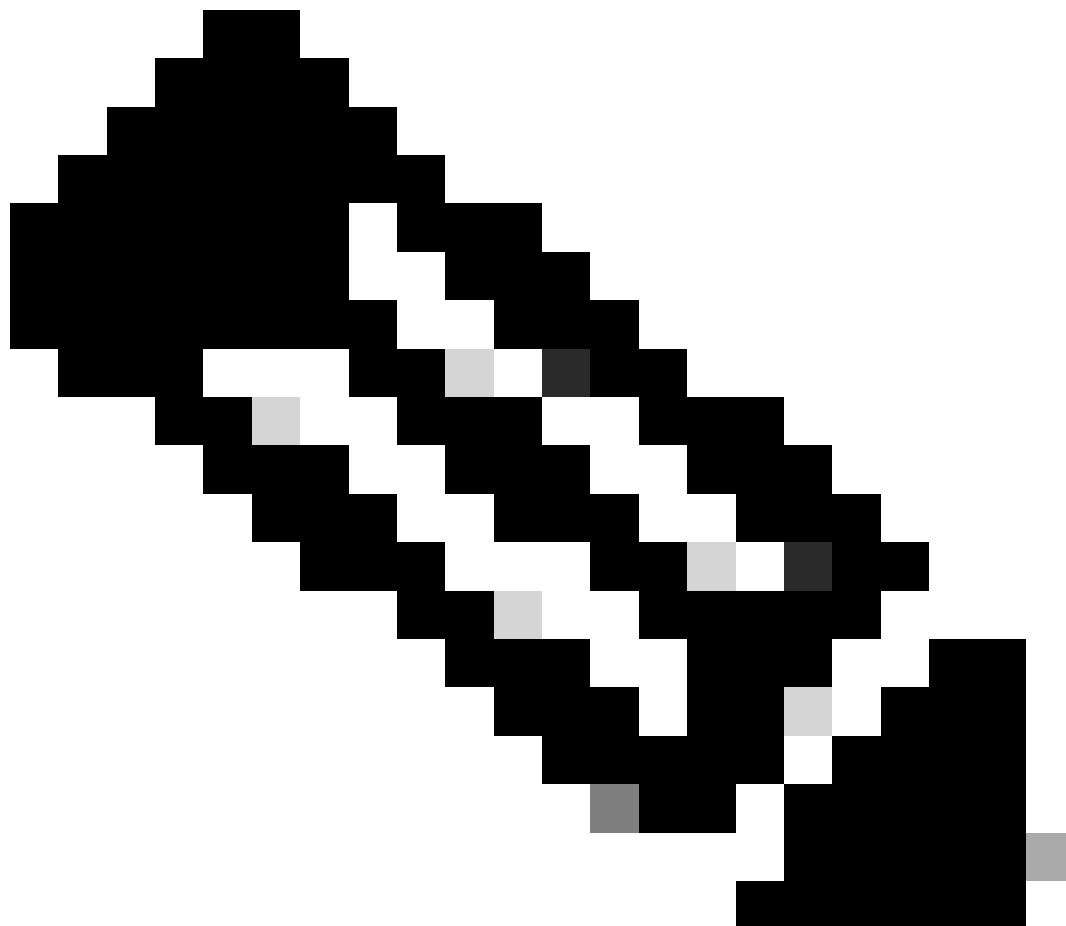
## Standaard NetFlow-elementen

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

## Enterprise-specifieke elementen

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Opmerking: De Flow Sensor gebruikt Lancope Information Element Identifier Definitities: Private Enterprise Number (PEN) - 8712

Meer informatie over deze elementen is beschikbaar in de [Secure Analytics Information Elements-gids](#)

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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_TRY	29806
NF_F_FLOWSENSOR_SRC_EMAIL_OUT_TRY	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_TRY	29812
NF_F_FLOWSENSOR_DST_EMAIL_OUT_TRY	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

## Sjabloonformaten



Opmerking: elke sjabloon bevat de naam van de sjabloon en het aantal velden, gevolgd door de afzonderlijke NetFlow/IPFIX-velden en de grootte van elk veld (in bytes).

Merk op dat Enterprise-specifieke IPFIX elementen worden opgeslagen met 0x8000 om de high bit in te schakelen, zodat de collector weet dat het Private Enterprise Number (PEN) veld aanwezig is.

Een voorbeeld met NetFlow v9 en Enterprise-specifieke IPFIX-elementen is opgenomen.

---

```
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 First Flow - Sjabloon 317



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Opmerking: deze sjabloon wordt gebruikt voor de eerste v9 export van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor engine.

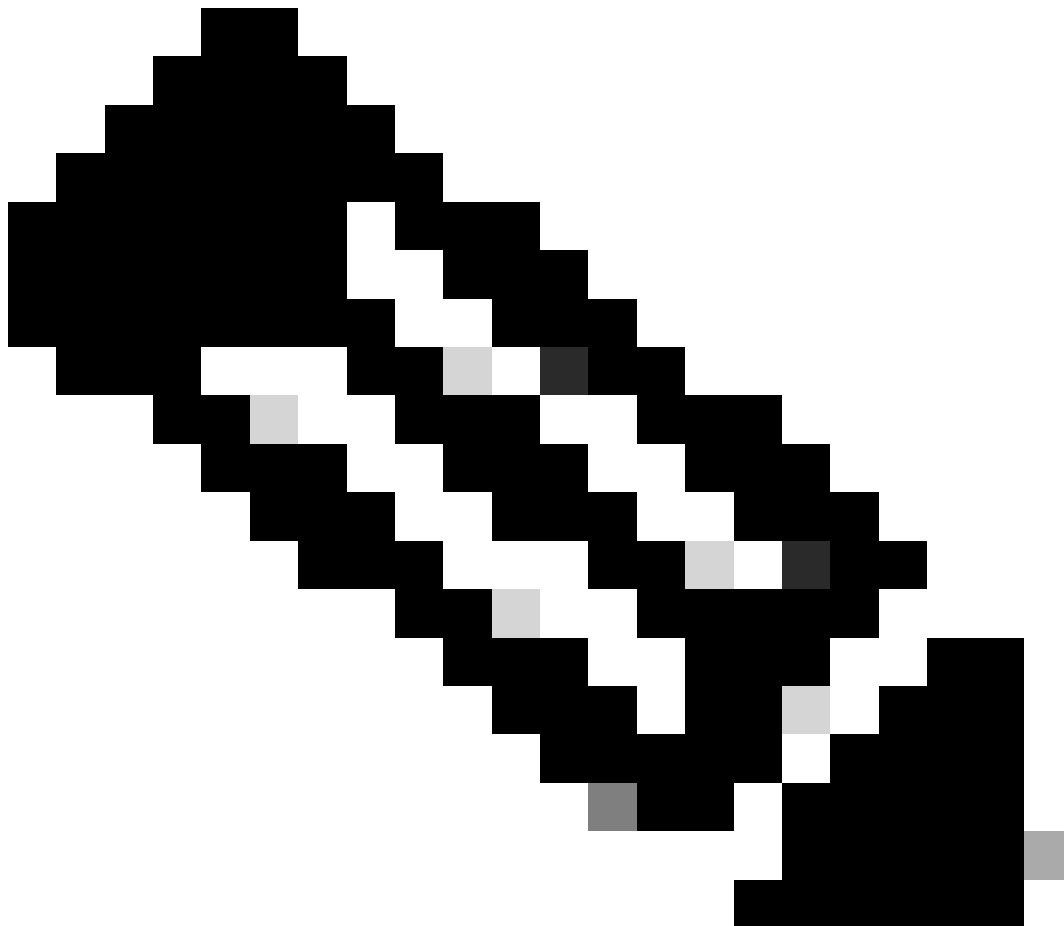
---

```
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 First Flow Deep - Sjabloon 318

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Opmerking: deze sjabloon wordt gebruikt voor de eerste v9-export van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het selectievakje Exporteren Packet Payload is geselecteerd.

---

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\_FLOWSSENSOR\_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\_FLOWSSENSOR\_TCP\_BAD\_TOTAL\_COUNT, 2  
NF\_F\_FLOWSSENSOR\_TCP\_SRS\_TOTAL\_COUNT, 2  
NF\_F\_FLOWSSENSOR\_TCP\_SYN\_ACK\_TOTAL\_COUNT, 2  
NF\_F\_FLOWSSENSOR\_TRACES, 2  
NF\_F\_FLOWSSENSOR\_EMB\_ICMP\_PROTOCOL, 1  
NF\_F\_FLOWSSENSOR\_EMB\_ICMP\_TYPE, 1  
NF\_F\_FLOWSSENSOR\_EMB\_ICMP\_CODE, 1  
NF\_F\_FLOWSSENSOR\_APPLICATION\_ID, 4

IPv4 Flow - sjabloon 319



Opmerking: deze sjabloon wordt gebruikt voor opvolguitvoer van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor engine.

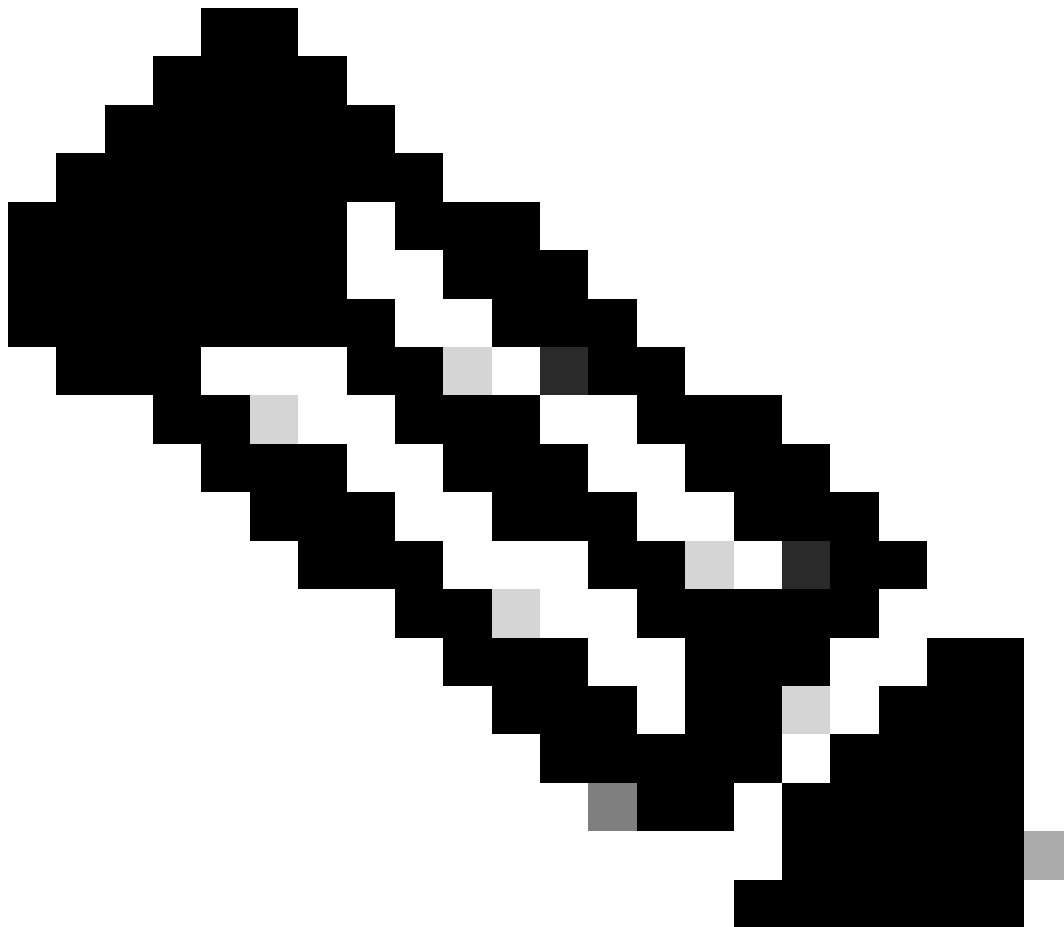
---

```
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-gebeurtenis - Sjabloon 320

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Opmerking: Deze sjabloon wordt gebruikt voor v9-export van IPv4 slechte fragment en vlagcombinatie tellingen gedetecteerd door de Flow Sensor engine.

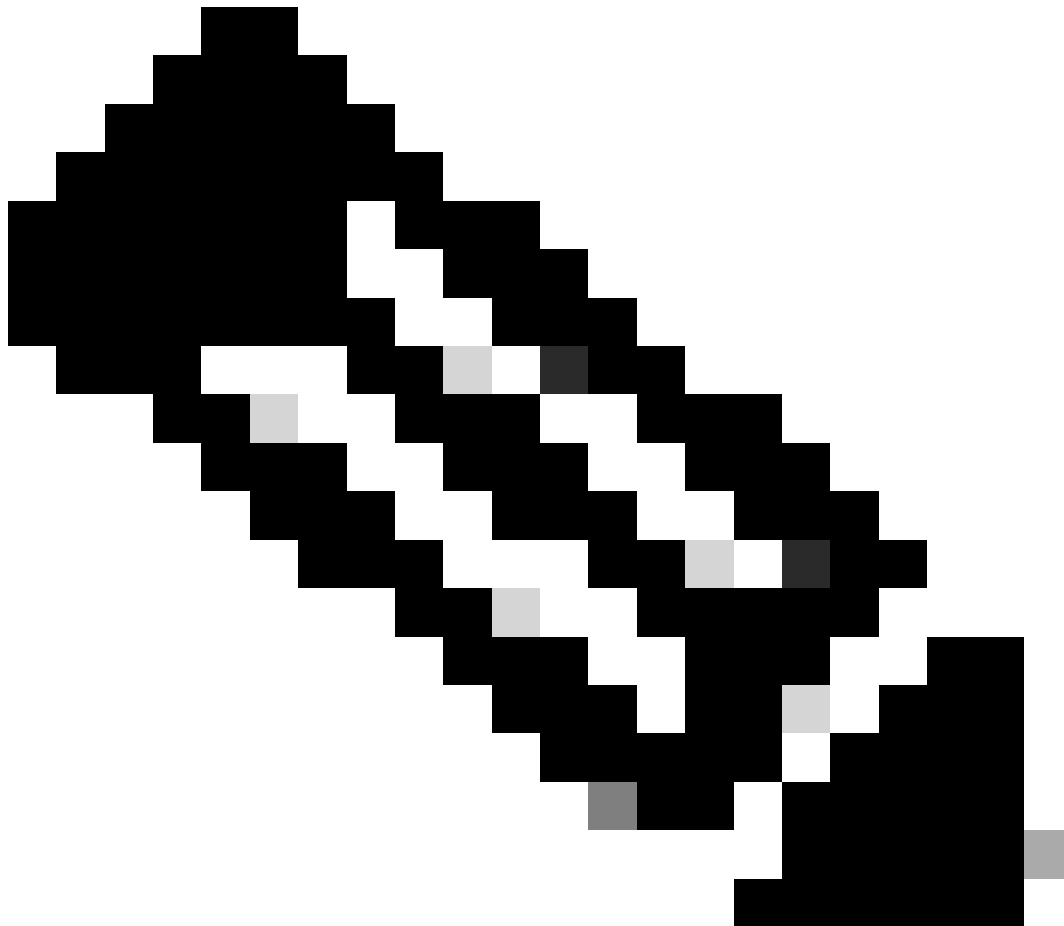
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IPV4\_EVENT\_TEMPLATE\_ID, 18  
NF\_F\_FIRST\_SWITCHED, 4  
NF\_F\_LAST\_SWITCHED, 4  
NF\_F\_SRC\_ADDR\_IPV4, 4

```
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 First Flow - Sjabloon 321

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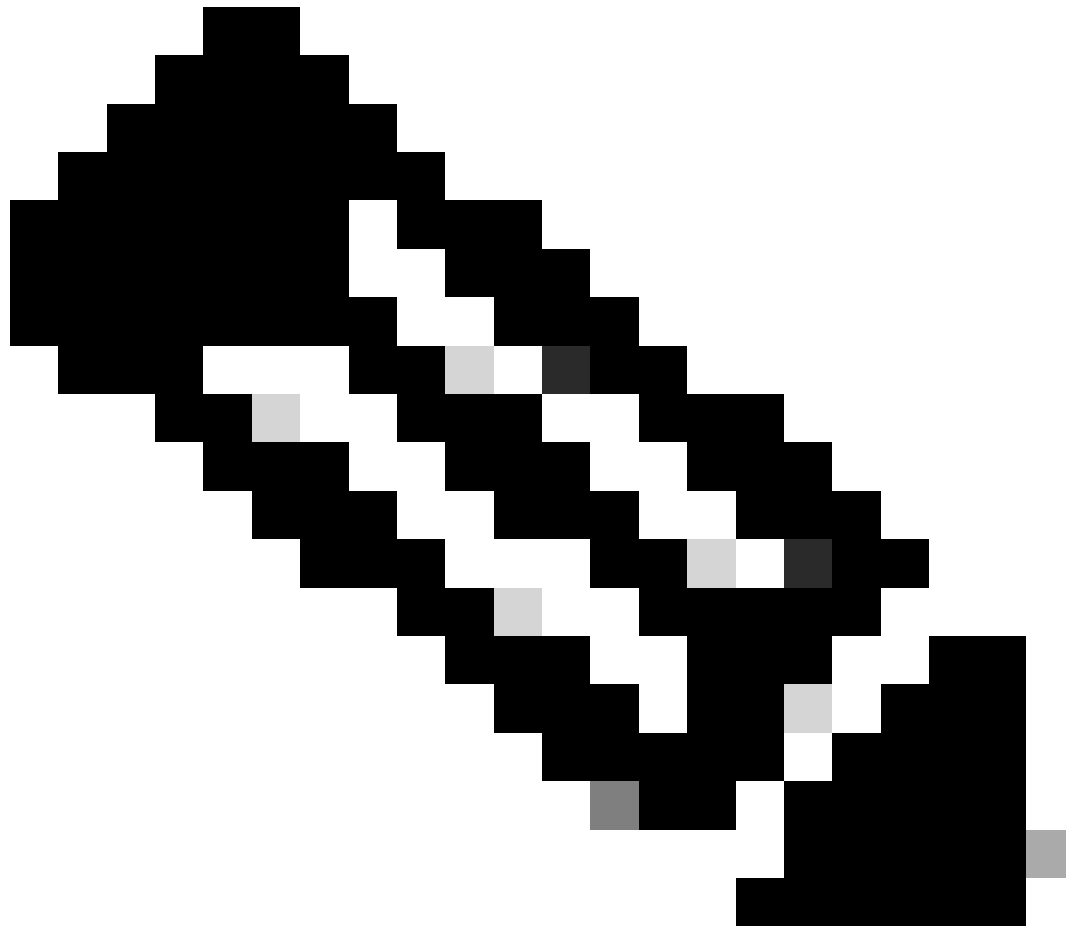


Opmerking: deze sjabloon wordt gebruikt voor de eerste v9 export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor engine.

---

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 First Flow Deep - Sjabloon 322



Opmerking: deze sjabloon wordt gebruikt voor de eerste v9-export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het selectievakje Exporteren Packet Payload is geselecteerd.

---

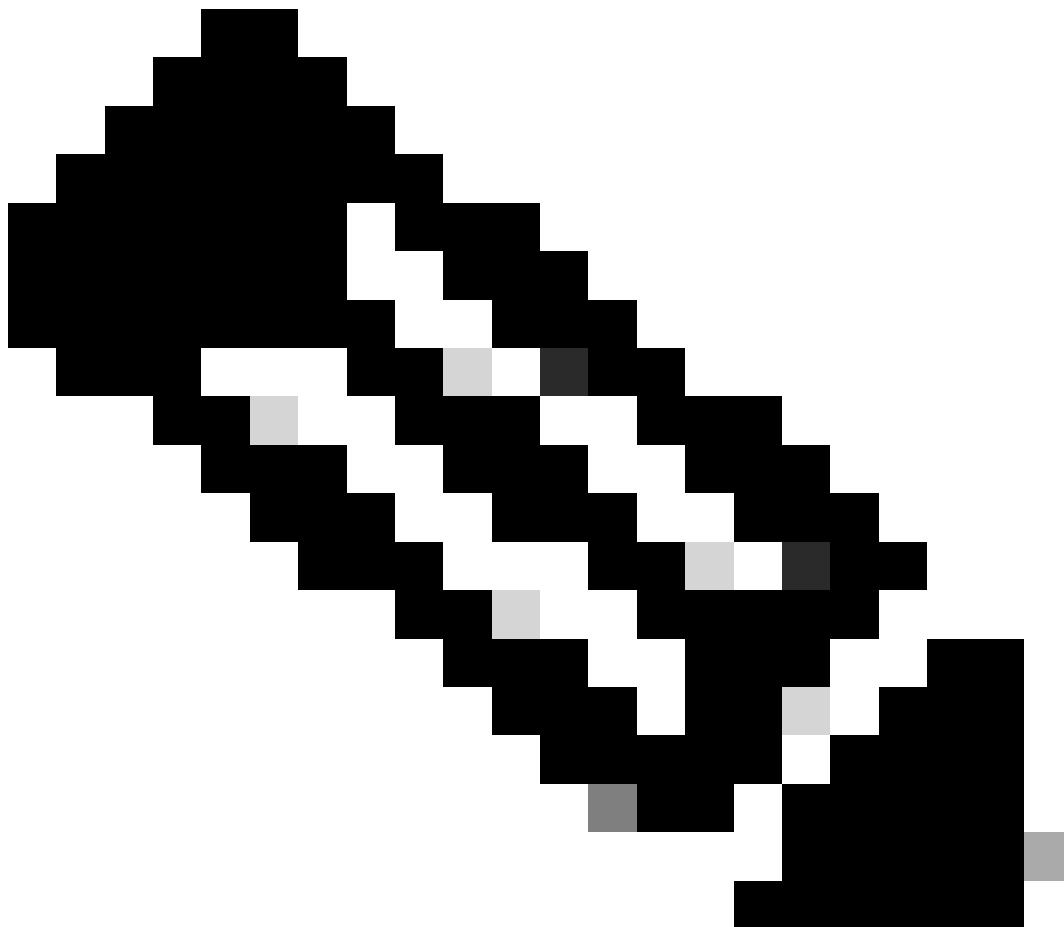
```
IPV6_FIRST_FLOW_DEEP_TEMPLATE_ID, 33
NF_F_FIRST_SWITCHED, 4
NF_F_LAST_SWITCHED, 4
NF_F_SRC_ADDR_IPV6, 16
NF_F_DST_ADDR_IPV6, 16
NF_F_L4_SRC_PORT, 2
NF_F_L4_DST_PORT, 2
NF_F_IN_SRC_MAC, 6
NF_F_OUT_DST_MAC, 6
NF_F_IN_BYTES, 4
NF_F_IN_PKTS, 4
NF_F_SRC_INTF_ID, 2
NF_F_DST_INTF_ID, 2
NF_F_PROTOCOL, 1
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 Flow - Sjabloon 323

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Opmerking: deze sjabloon wordt gebruikt voor opvolguitvoer v9 van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor engine.

---

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-evenement - Sjabloon 324

---

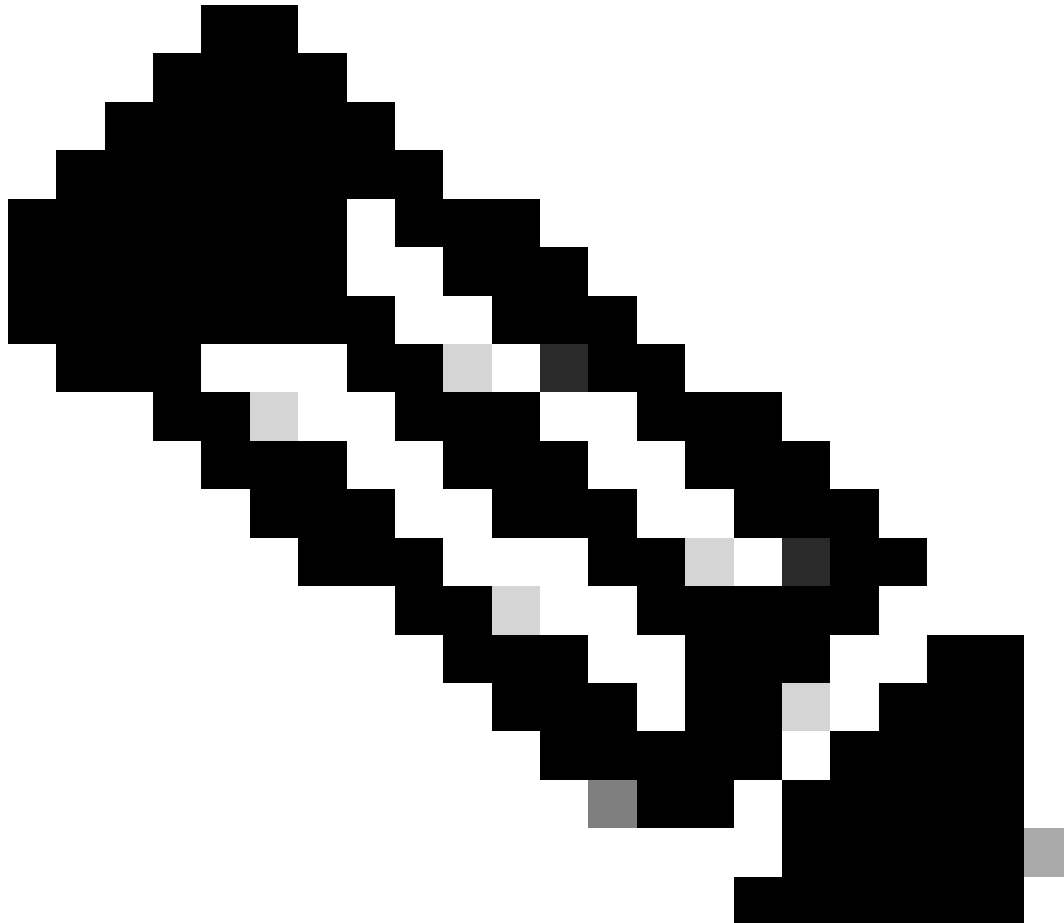
Opmerking: Deze sjabloon wordt gebruikt voor v9-export van IPv6 slechte fragment en vlagcombinatie tellingen gedetecteerd door de Flow Sensor engine.

---

```
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
```

## IPv4 bron e-mail tellingen - Sjabloon 325

---



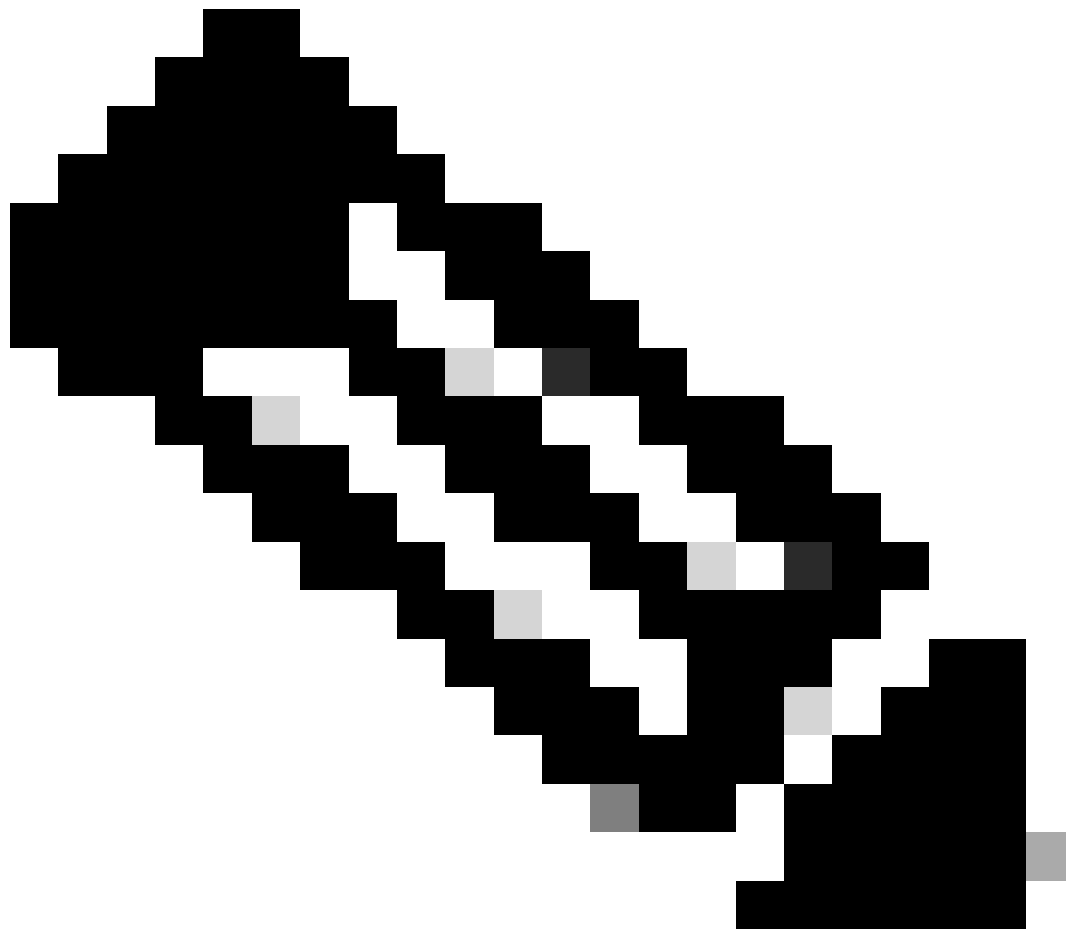
Opmerking: deze sjabloon wordt gebruikt voor v9-export van IPv4-e-mailtellingsinformatie afkomstig van het IP-bronadres zoals gedetecteerd door de Flow Sensor-engine.

---

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 First Flow Response Time Monitoring - Sjabloon 326

---



Opmerking: Deze sjabloon wordt gebruikt voor de eerste v9 export van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

---

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 First Flow Deep Response Time Monitoring - Sjabloon 327



Opmerking: deze sjabloon wordt gebruikt voor de eerste v9-export van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het vakje Export Packet Payload is geselecteerd en RTM-gegevens zijn berekend.

---

```
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 Flow Response Time Monitoring - Sjabloon 328



---

Opmerking: Deze sjabloon wordt gebruikt voor opvolguitvoer van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

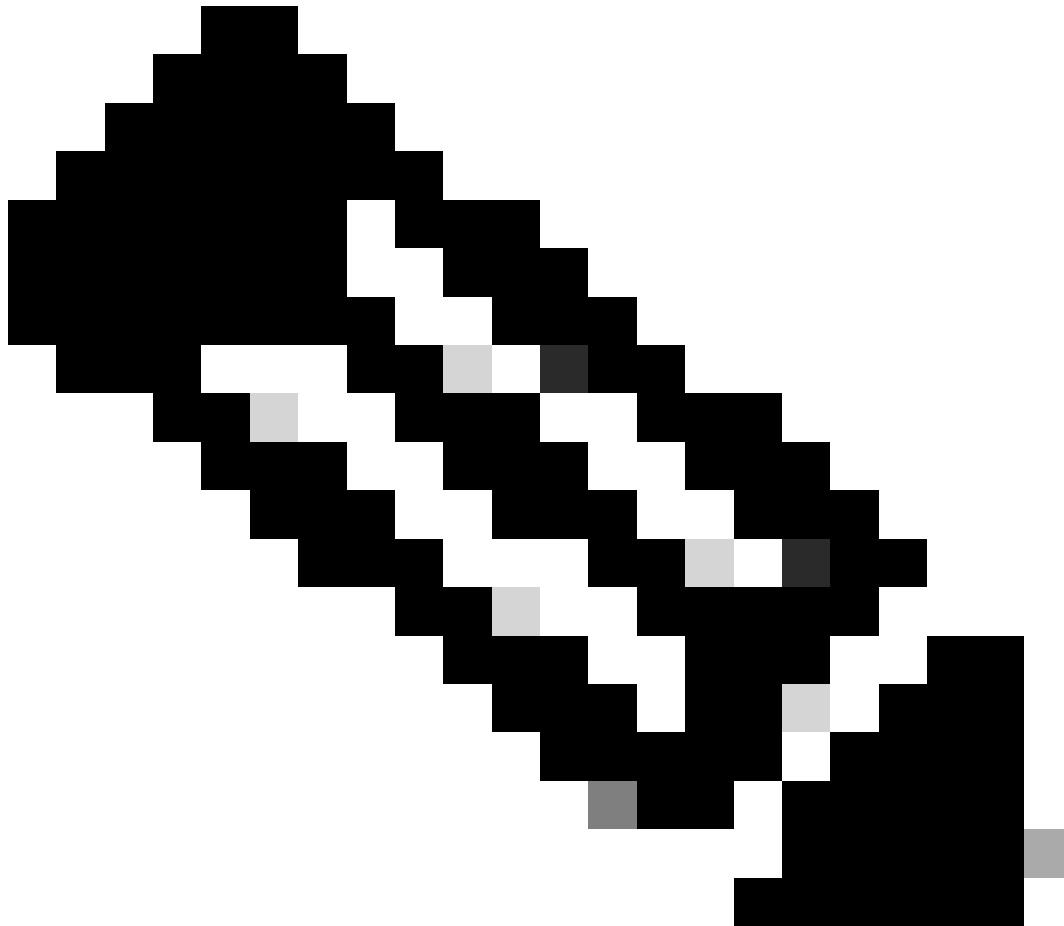
---

```
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 First Flow Response Time Monitoring - Sjabloon 329

---



Opmerking: Deze sjabloon wordt gebruikt voor de eerste v9 export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

---

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 First Flow Deep Response Time Monitoring - Sjabloon 330



Opmerking: deze sjabloon wordt gebruikt voor de eerste v9-export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het vakje Export Packet Payload is geselecteerd en RTM-gegevens zijn berekend.

---

```
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 Flow Response Time Monitoring - Sjabloon 331

---

Opmerking: Deze sjabloon wordt gebruikt voor opvolguitvoer van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

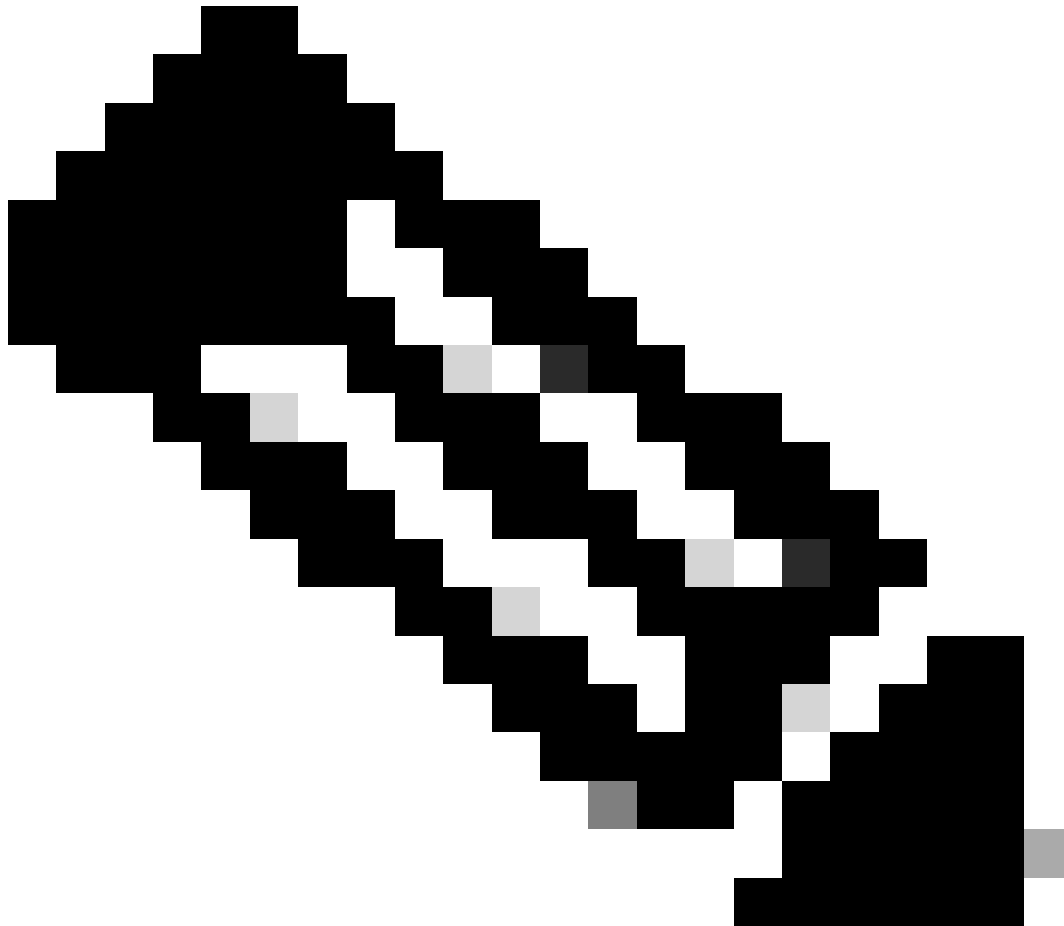
---

```
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 bestemming e-mailtellingen - Sjabloon 332

---



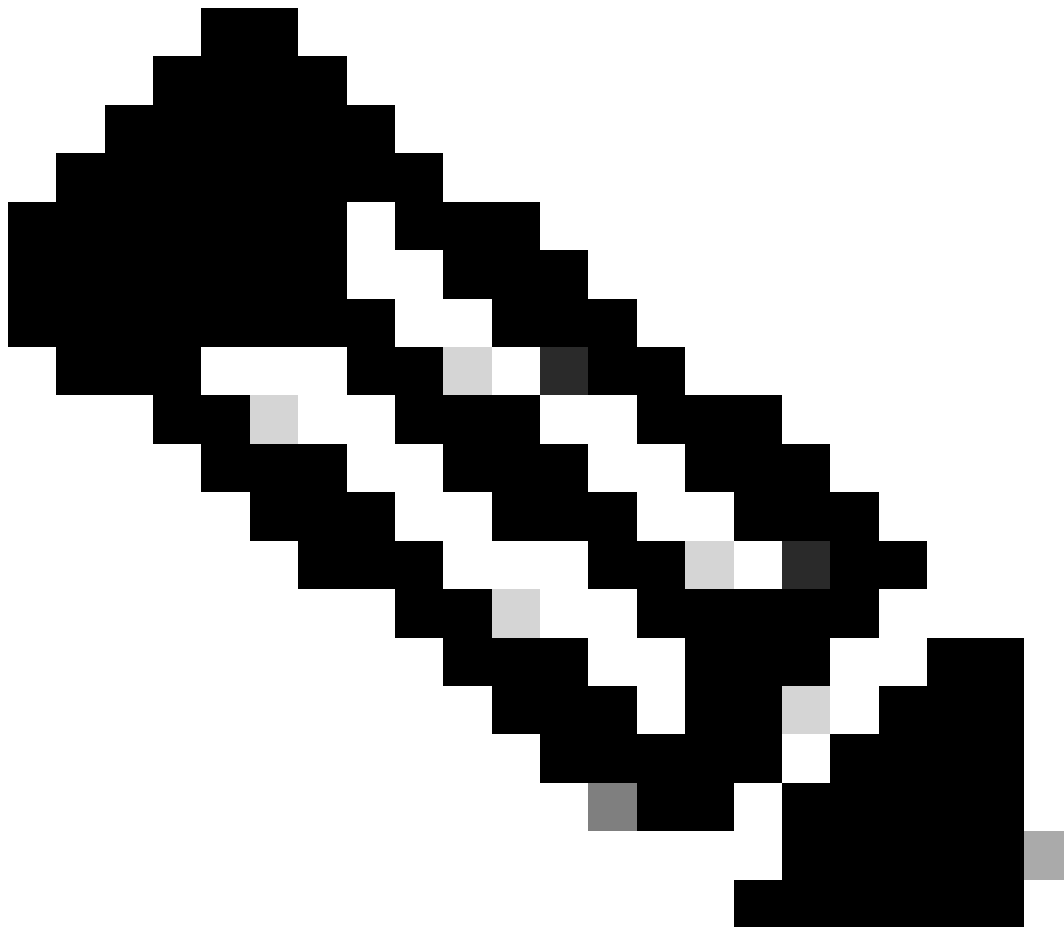
Opmerking: Deze sjabloon wordt gebruikt voor v9-export van IPv4 e-mailtellingsinformatie ontvangen door het IP-adres van bestemming zoals gedetecteerd door de Flow Sensor engine.

---

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 bron e-mail tellingen - Template 333

---



Opmerking: deze sjabloon wordt gebruikt voor v9-export van IPv6-e-maillellingen informatie afkomstig van het IP-bronadres zoals gedetecteerd door de Flow Sensor engine.

---

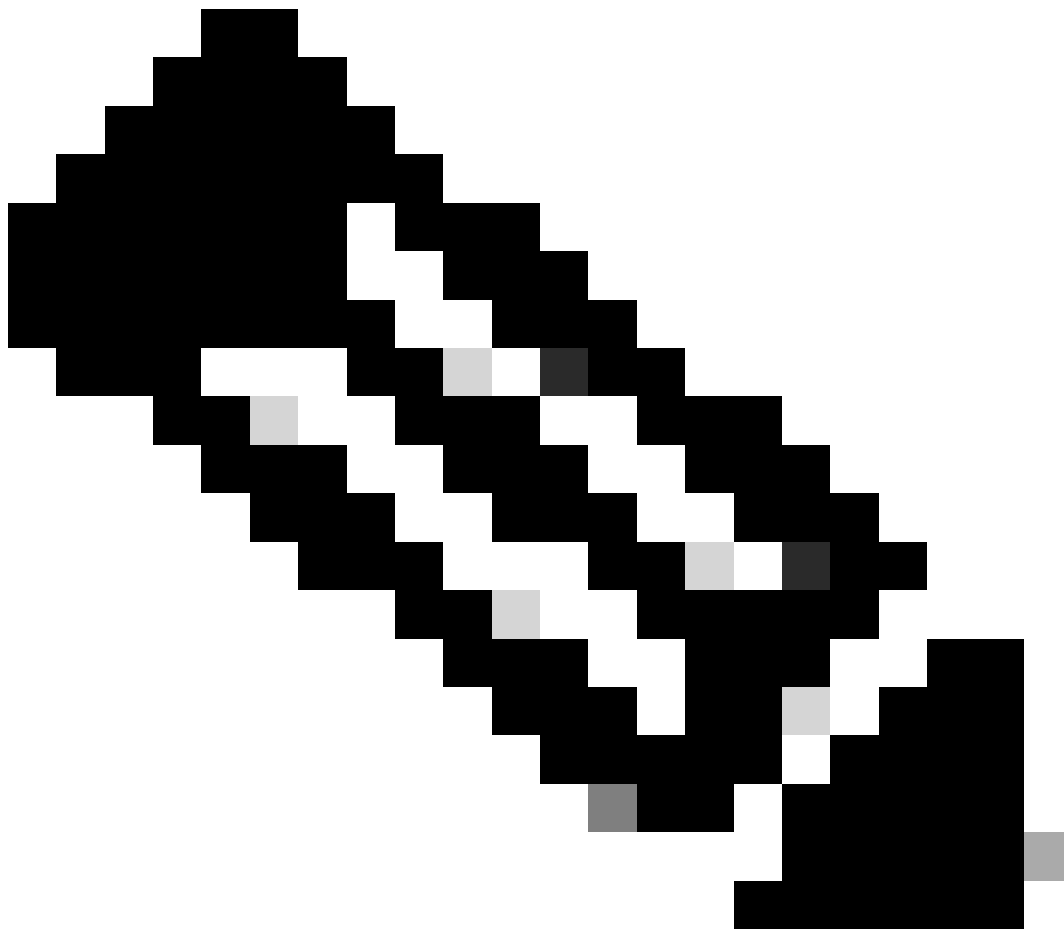
IPV6\_SRC\_EMAIL\_COUNTS\_TEMPLATE\_ID, 8  
NF\_F\_SRC\_ADDR\_IPV6, 16



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-bestemming e-mailtellingen - Sjabloon 334

---



Opmerking: Deze sjabloon wordt gebruikt voor v9-export van IPv6-e-mailtellingsinformatie ontvangen door het IP-adres van bestemming zoals gedetecteerd door de Flow Sensor engine.

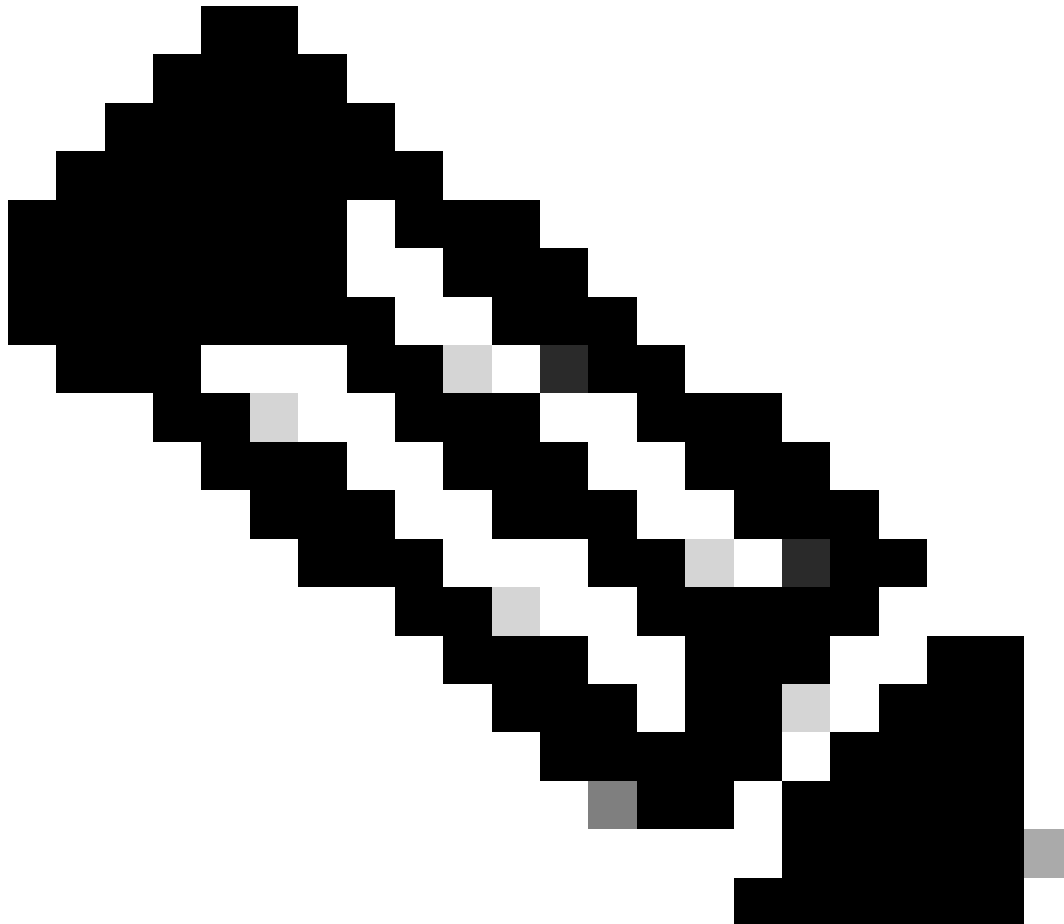
---

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 First Flow IPFIX-sjabloon 335

---



Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor engine.

---

```
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 First Flow Deep IPFIX - Sjabloon 336



Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het selectievakje Exporteren Packet Payload is geselecteerd.

---

```
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 Flow IPFIX - sjabloon 337



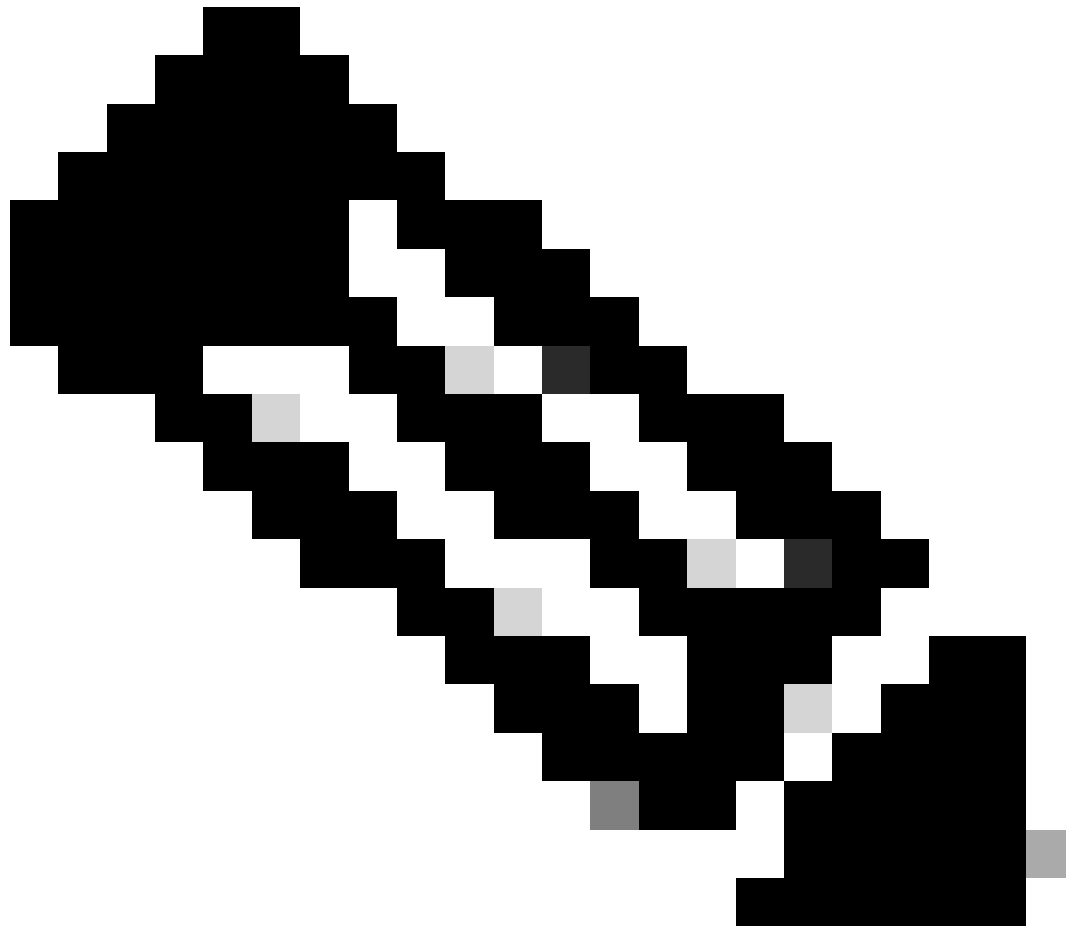
Opmerking: deze sjabloon wordt gebruikt voor opvolguitvoer van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor engine.

---

```
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 Event IPFIX - Sjabloon 338



Opmerking: deze sjabloon wordt gebruikt voor IPFIX-export van IPv4 slechte fragment- en vlagcombinatie-tellingen gedetecteerd door de Flow Sensor-motor.

---

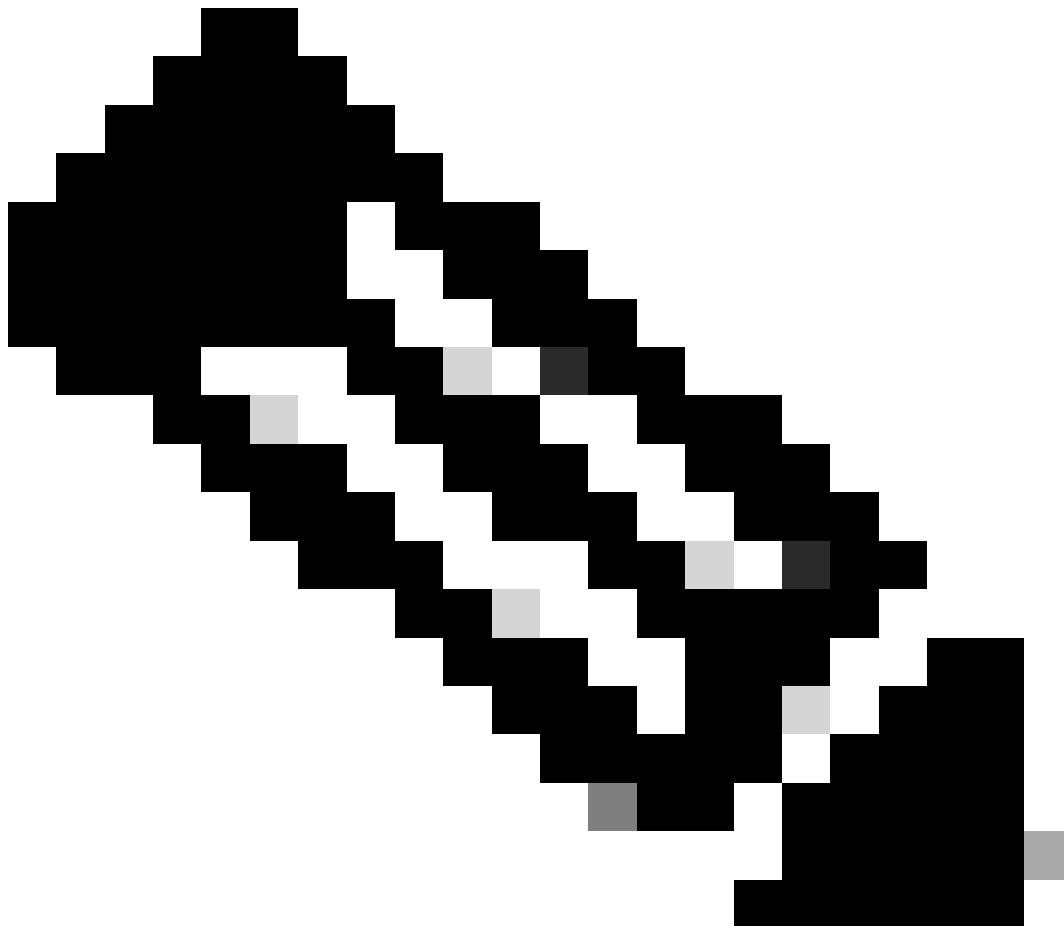
```
IPV4_EVENT_IPFIX_TEMPLATE_ID, 19
NF_F_FIRST_SWITCHED, 4
NF_F_LAST_SWITCHED, 4
NF_F_SYSTEM_INIT_TIME_MILLISECONDS, 8
NF_F_SRC_ADDR_IPV4, 4
NF_F_DST_ADDR_IPV4, 4
NF_F_L4_SRC_PORT, 2
NF_F_L4_DST_PORT, 2
NF_F_PROTOCOL, 1
NF_F_FLOWSENSOR_BAD_FLAG_XMAS | 0x8000, 2
0000, 8712
NF_F_FLOWSENSOR_BAD_FLAG_SYN_FIN | 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 First Flow IPFIX - Sjabloon 339

---



Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor engine.

---

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 First Flow Deep IPFIX - Sjabloon 340



Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het selectievakje Exporteren Packet Payload is geselecteerd.

---

```
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 Flow IPFIX - Sjabloon 341



Opmerking: deze sjabloon wordt gebruikt voor opvolguitvoer van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor engine.

---

```
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 Event IPFIX - Sjabloon 342



Opmerking: deze sjabloon wordt gebruikt voor IPFIX-export van IPv6 slechte fragment- en vlagcombinatie-tellingen gedetecteerd door de Flow Sensor-motor.

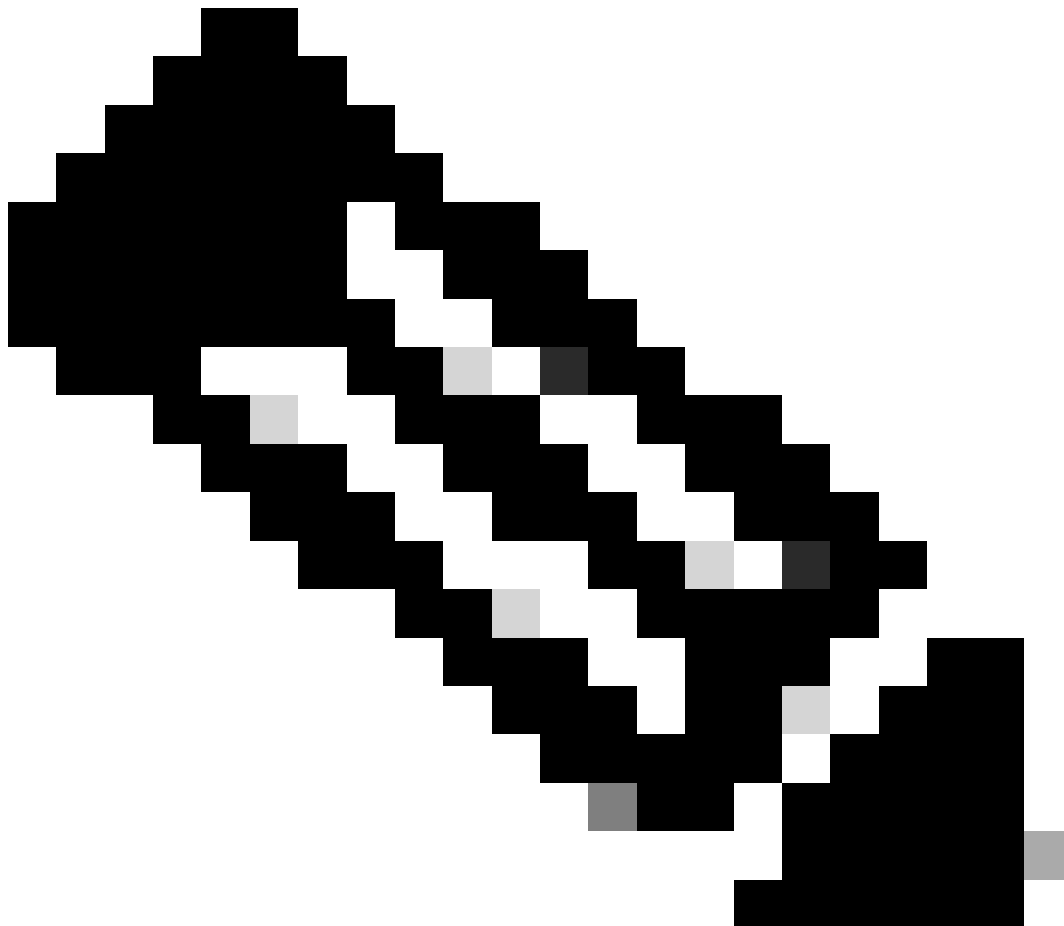
---

```
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 bron e-mail tellingen IPFIX - Template 343

---



Opmerking: deze sjabloon wordt gebruikt voor IPFIX-export van IPv4-e-mailtellingsinformatie afkomstig van het IP-bronadres zoals gedetecteerd door de Flow Sensor-engine.

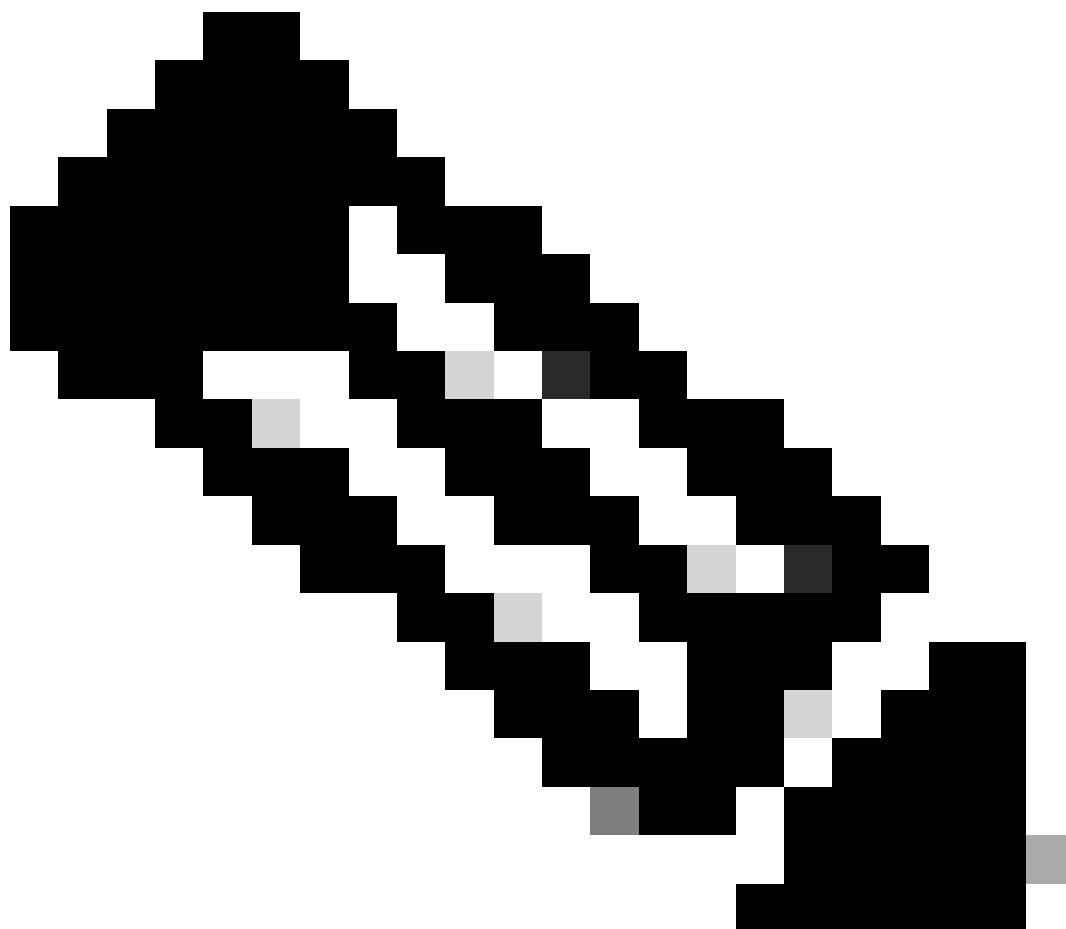
---



```
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 First Flow Response Time Monitoring - Sjabloon 344

---



Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv4-

---

---

stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

---

IPV4\_FIRST\_FLOW\_RTМ\_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



Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het selectievakje Exporteren Packet Payload is geselecteerd.

---

```
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 Flow Response Time Monitoring IPFIX - Sjabloon 346

---

Opmerking: deze sjabloon wordt gebruikt voor opvolguitvoer van IPv4-stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

---

```
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 First Flow Response Time Monitoring IPFIX - Sjabloon 347



Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

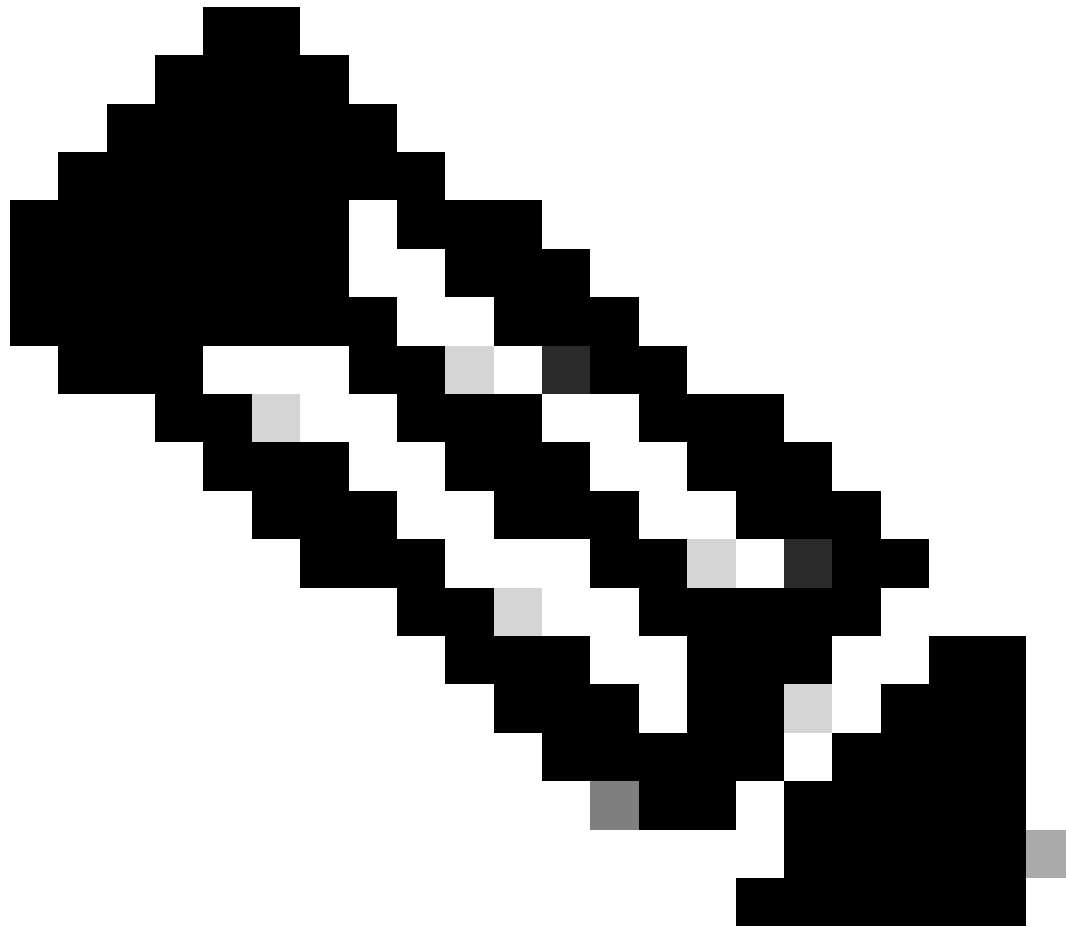
---

```
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 First Flow Deep RTM IPFIX - Sjabloon 348





Opmerking: deze sjabloon wordt gebruikt voor de eerste IPFIX-export van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-engine wanneer het selectievakje Exporteren Packet Payload is geselecteerd.

---

```
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 Flow Response Time Monitoring - Sjabloon 349



Opmerking: deze sjabloon wordt gebruikt voor opvolguitvoer van IPv6-stroominformatie van een stroomsleuf in de Flow Sensor-motor wanneer RTM-gegevens zijn berekend.

---

```
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 bestemming e-mail tellingen IPFIX - Sjabloon 350



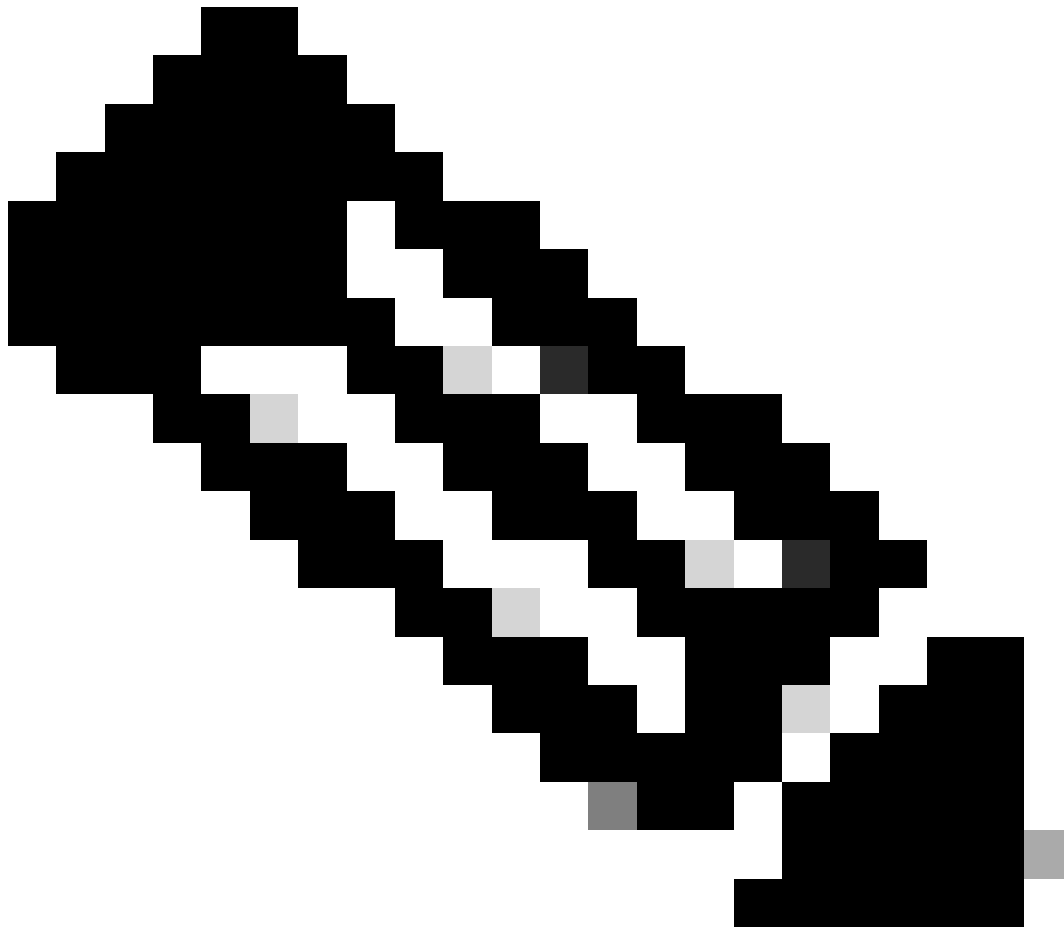
Opmerking: deze sjabloon wordt gebruikt voor IPFIX-export van IPv4-e-mailtellingsinformatie ontvangen door het IP-adres van bestemming zoals gedetecteerd door de Flow Sensor engine.

---

```
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_TRYIS | 0x8000, 4
  0000, 8712
  NF_F_FLOWSENSOR_DST_EMAIL_OUT_TRYIS | 0x8000, 4
  0000, 8712
```

## IPv6 bron e-mail tellingen IPFIX - Sjabloon 351

---



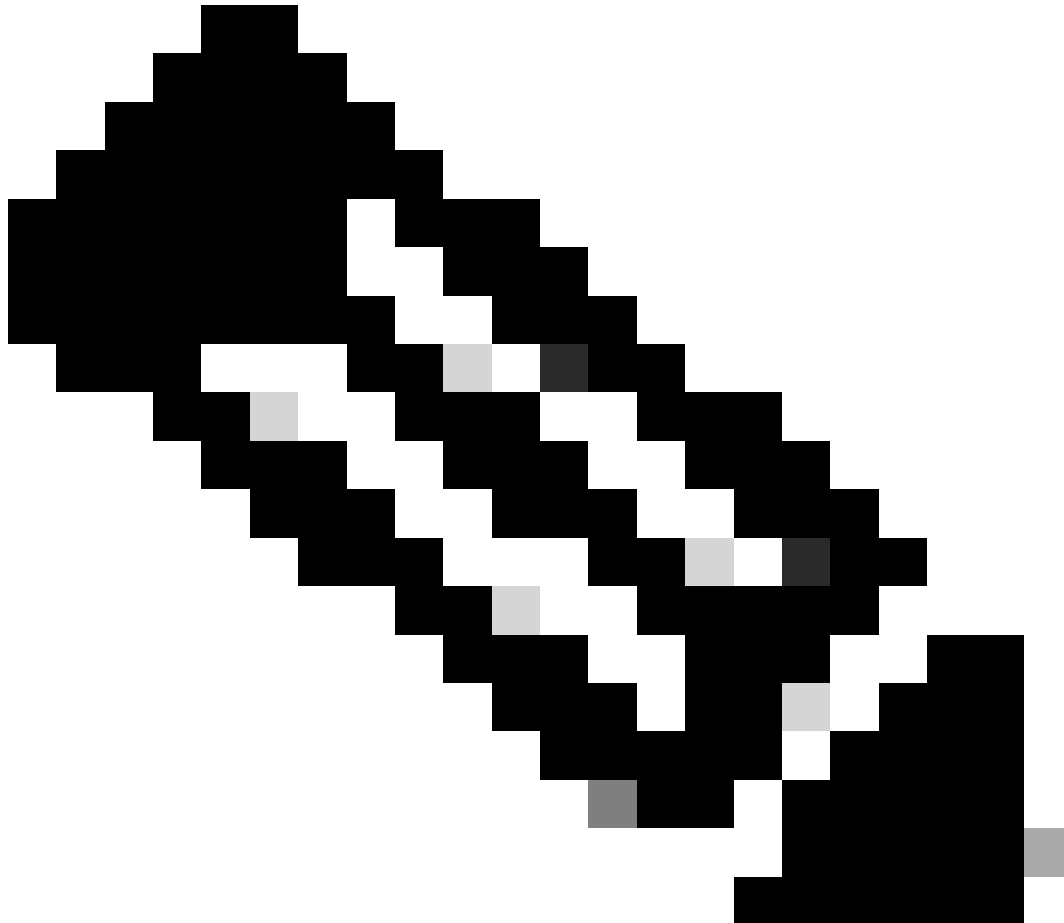
Opmerking: deze sjabloon wordt gebruikt voor IPFIX-export van IPv6-e-mailtellingen informatie afkomstig van het IP-bronadres zoals gedetecteerd door de Flow Sensor engine.

---

```
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
```

## IPv6 Bestemming e-mail tellingen IPFIX - Template 352

---



Opmerking: deze sjabloon wordt gebruikt voor IPFIX-export van IPv6-e-mailtellingsinformatie ontvangen door het IP-adres van bestemming zoals gedetecteerd door de Flow Sensor engine.

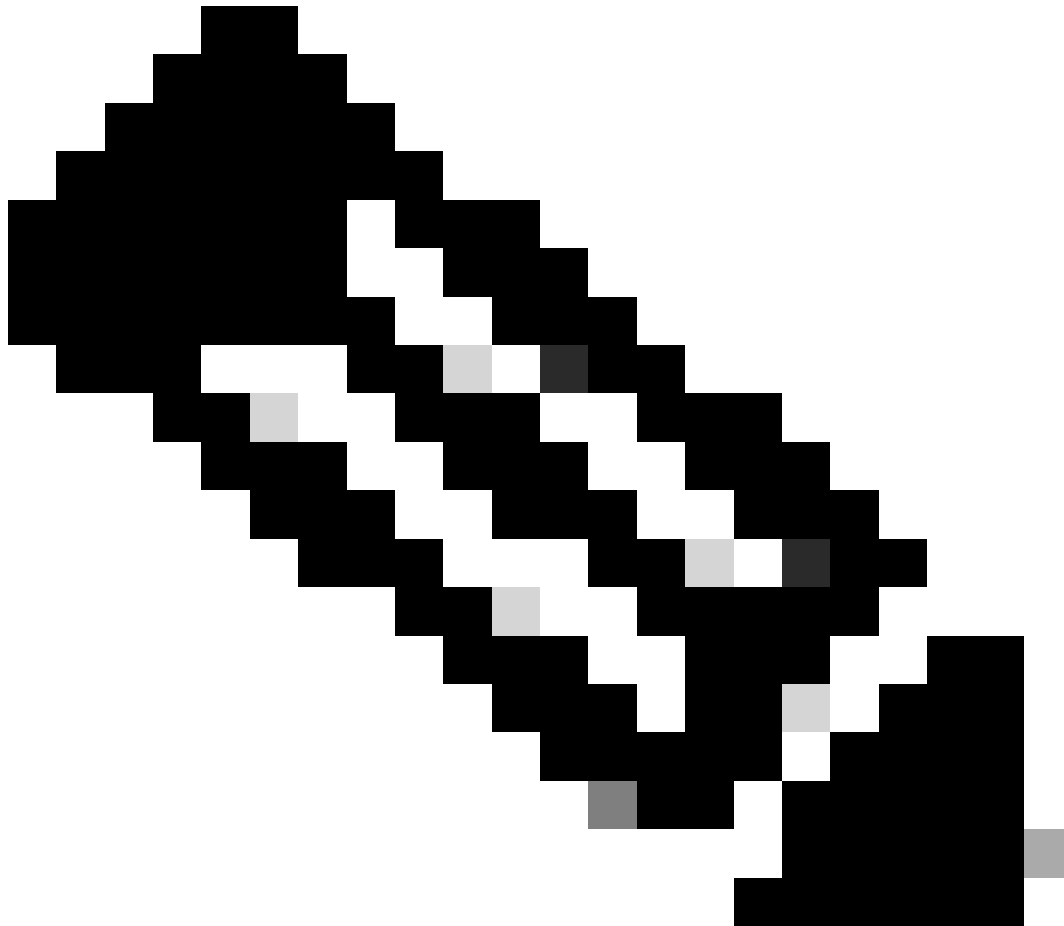
---

```
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 Template 353-372

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Opmerking: deze sjablonen worden gebruikt voor het verzenden van ETA-gegevens vanuit de Flow Sensor. De inhoud van deze sjablonen was niet beschikbaar voor het schrijven van dit artikel.

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## Over deze vertaling

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