

Содержание

netflow control can be changed by next setting:

```
netflow_full_collector_type=1
```

где

0 - export netflow5 (default)

1 - export UDP ipfix

2 - export TCP ipfix

Export template for IPFIX format (Netflow v10)

№	Size	Type	IANA	Description	netflow9 analogy
1	8	int64	0	octetDeltaCount	IN_BYTES
2	8	int64	0	packetDeltaCount	IN_PKTS
4	1	int8	0	protocolIdentifier	PROTOCOL
5	1	int8	0	ipClassOfService	TOS
7	2	int16	0	sourceTransportPort	L4_SRC_PORT
8	4	int32	0	sourceIPv4Address	IPV4_SRC_ADDR
11	2	int16	0	destinationTransportPort	L4_DST_PORT
12	4	int32	0	destinationIPv4Address	IPV4_DST_ADDR
16	4	int32	0	bgpSourceAsNumber	SRC_AS
17	4	int32	0	bgpDestinationAsNumber	DST_AS
152	8	int64	0	FlowStartMillisecond	
153	8	int64	0	FlowEndMillisecond	
10	2	int16	0	INPUT_SNMP	ingressInterface
14	2	int16	0	OUTPUT_SNMP	egressInterface
60	1	int8	0	ipVersion	IP_PROTOCOL_VERSION
2000	8	int64	43823	SESSION ID	
2001	-	string	43823	HTTP HOST или CN HTTPS	
2002	2	int16	43823	DPI PROTOCOL	
2003	-	string	43823	LOGIN (Radius UserName)	
225	4	int32	0	postNATsourceIPv4Address	
227	2	int16	0	postNAPTsourceTransportPort	

IPFIX export pattern for IPv6 differs just by absence of sourceIPv4Address, destinationIPv4Address, postNATsourceIPv4Address, postNAPTsourceTransportPort fields and by availability of the following fields

№	Number of bytes	Data type	IANA	Description	Netflow9 analogue
27	16	int128	0	sourceIPv6Address	IPV6_SRC_ADDR
28	16	int128	0	destinationIPv6Address	IPV6_DST_ADDR

Using this format allows to generate a report on the visiting site traffic, on the subscribers with dynamically assigned addresses and to link session and volume data with metadata transmitted within the session.

Supplied nfsen is limited by Netflow 5 fields only. For nfdump/nfsen netflow5 is reconended, because of compact format.

For extended information in IPFIX format can be used any universal IPFIX collector, for instance - [CESNET ipfixcol](#) or our utility [IPFIX Receiver](#)