

**Содержание**

**2 Export NAT flows in IPFIX (Netflow 10) ..... 3**



## 2 Export NAT flows in IPFIX (Netflow 10)

For data analysis on NAT flows on external systems IPFIX export is available (aka netflow v10).

Settings of NAT flows export:

```
ipfix_dev=em1
ipfix_nat_udp_collectors=1.2.3.4:1500,1.2.3.5:1501
ipfix_nat_tcp_collectors=1.2.3.6:9418
```

here

- em1 network device name for export
- ipfix\_nat\_udp\_collectors addresses of udp collectors
- ipfix\_nat\_tcp\_collectors addresses of tcp collectors

IPFIX template for NAT flows export

| ID   | IANA  | Size | Type   | Description                         |
|------|-------|------|--------|-------------------------------------|
| 323  | 0     | 8    | int64  | System Time when the event occurred |
| 4    | 0     | 1    | int8   | protocolIdentifier                  |
| 230  | 0     | 1    | int8   | Type of Event                       |
| 8    | 0     | 4    | IP v4  | sourceIPv4Address                   |
| 225  | 0     | 4    | IP v4  | postNATSourceIPv4Address            |
| 7    | 0     | 2    | int16  | Source Port                         |
| 227  | 0     | 2    | int16  | postNAPTsourceTransportPort         |
| 12   | 0     | 4    | IP v4  | destinationIPv4Address              |
| 11   | 0     | 2    | int16  | destinationTransportPort            |
| 2000 | 43823 | 8    | int64  | Session ID                          |
| 2003 | 43823 |      | string | Login                               |

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