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For Clickstream data analysis (subscribers' http requests) and SIP (VOIP unciphered data) on external systems IPFIX export is available.

Clickstream export is configured by following parameters:

```
ipfix_dev=em1
ipfix_udp_collectors=1.2.3.4:1500,1.2.3.5:1501
ipfix_tcp_collectors=1.2.3.6:9418
dbg_log_mask=0x80
```

where em1 NIC using for export

ipfix_udp_collectors IP of udp collectors

ipfix_tcp_collectors IP of tcp collectors

dbg_log_mask=0x80 logging statistics about export

IPFIX format template for Clickstream

№	Size in bytes	Type	IANA	Description
1001	4	int32	43823	TIMESTAMP
1002	-	string	43823	LOGIN
1003	4	ipv4	43823	IP SOURCE
1004	4	ipv4	43823	IP DESTINATION
1005	-	string	43823	HOSTNAME/CNAME
1006	-	string	43823	PATH
1007	-	string	43823	REFER
1008	-	string	43823	USER AGENT
1009	-	string	43823	COOKIE
2000	8	int64	43823	SESSION ID

Clickstream is useful not only local authorities but ISP also for subscriber interest profiles, top of sites, ads targeting, prevent outflow of subscribers etc.

SIP metadata export is configured by following parameters:

```
ipfix_dev=em1
ipfix_meta_udp_collectors=1.2.3.4:1500,1.2.3.5:1501
ipfix_meta_tcp_collectors=1.2.3.6:9418
dbg_log_mask=0x80
```

where em1 NIC for data export для экспорта

ipfix_meta_udp_collectors IP of udp collectors

ipfix_meta_tcp_collectors IP of tcp collectors

dbg_log_mask=0x80 logging statistics about export

IPFIX format template for export SIP metadata

№	Size in Bytes	Type	IANA	Description
0	4	int32	1001	Время
1	-	string	1002	Login
2	4	ipv4	1003	ip_src

№	Size in Bytes	Type	IANA	Description
3	4	ipv4	1004	ip_dst
4	8	int64	2000	session_id
5	-	string	3000	msg code
6	2	int16	3001	status code
7	-	string	3002	uri
8	-	string	3003	from
9	-	string	3004	to
10	-	string	3005	callid
11	-	string	3006	uagent
12	-	string	3007	ctype