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Ipfix template formats for the Radius monitor (fdpi_radius)

Ipfix export is configured by means of the following settings:

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

here em1 presents the name of network interface being intended for the export

ipfix_udp_collectors presents the addresses of udp collectors

ipfix_tcp_collectors presents the addresses of tcp collectors

The template:

Nº	Number of bytes	Data type	IANA	Description
1001	4	int32	43823	TIMESTAMP
4001	4	int32	43823	AAA-events type: 0 - beginning, 1 - end, 2 - update
4002	-	string	43823	Accounting session ID (max. length - 64 bytes)
1003	4	ipv4	43823	IPv4 address, for the IPv6 it is equal to 0
1103	16	ipv6	43823	IPv6 address, for the IPv4 it is equal to 0 (::)
1002	-	string	43823	LOGIN
4003	4	int32	43823	Connection type
4004	-	string	43823	Calling-Station-Id
4005	-	string	43823	Called-Station-Id
4006	4	ipv4	43823	NAS-IP-Address, for the IPv6 it is equal to 0
4106	16	ipv6	43823	NAS-IPv6-Address, for the IPv4 it is equal to 0 (::)
4007	4	int32	43823	NAS-Port
4008	8	int64	43823	Number of incoming bytes
4009	8	int64	43823	Number of outgoing bytes

Connection types (value of Radius-attribute Framed-Protocol):

Type	Description
0	Attribute not set
1	PPP
2	SLIP
3	AppleTalk Remote Access Protocol (ARAP)
4	Gandalf proprietary SingleLink/MultiLink protocol
5	Xylogics proprietary IPX/SLIP
6	X.75 Synchronous
7	GPRS PDP Context

Ipfixreceiver configuration:

[InfoModel]

```
InfoElements = timestamp,          43823, 1001, SECONDS, True
                  event_type,       43823, 4001, INT32,    True
                  acct_session_id,   43823, 4002, STRING
                  source_ip4,        43823, 1003, IP4ADDR, True
                  source_ip6,        43823, 1103, IP6ADDR
                  login,             43823, 1002, STRING
                  conn_type,         43823, 4003, INT32,    True
                  calling_station_id,43823, 4004, STRING
                  called_station_id, 43823, 4005, STRING
                  NAS_ip4,           43823, 4006, IP4ADDR, True
                  NAS_ip6,           43823, 4106, IP6ADDR
                  NAS_port,          43823, 4007, INT32,    True
                  input_bytes,       43823, 4008, UINT64,   True
                  output_bytes,      43823, 4009, UINT64,   True
```

[ExportModelFile]

```
Delimiter = ;
```

```
ExportElements = timestamp, seconds, %%Y-%%m-%%dT%%H:%%M:%%S
                  event_type
                  acct_session_id
                  source_ip4, decodeipv4
                  source_ip6, decodeipv6
                  login
                  conn_type
                  calling_station_id
                  called_station_id
                  NAS_ip4, decodeipv4
                  NAS_ip6, decodeipv6
                  NAS_port
                  input_bytes
                  output_bytes
```