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# Tranalyzer2

liveXtr



Live PCAP extractor

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Tranalyzer Development Team

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## 1 liveXtr

### 1.1 Description

This plugin extracts all flows which have the `LIVEXTR` bit set in their `flow_t.status`. This bit can be set by any other plugin wanting to extract traffic. The traffic is stored in a round-robin buffer, this allows to extract packets processed before the `LIVEXTR` bit was set. This plugin can be used when Tranalyzer processes PCAP files and also when it listens on an interface.

### 1.2 Dependencies

The `liveXtr` plugin depends on the `libpcap`.

### 1.3 Configuration Flags

The following flags can be used to control the behavior of the plugin:

Name	Default	Description	Flags
<code>LIVEXTR_BUFSIZE</code>	$2^{31}$ (2 GB)	Size of the round-robin buffer [byte]	
<code>LIVEXTR_MEMORY</code>	1	0: store round-robin buffer in a file, 1: store it in memory	
<code>LIVEXTR_SPLIT</code>	1	Split the output PCAP with <code>t2 -W</code> option	
<code>LIVEXTR_FILE</code>	<code>"/tmp/livextr.data"</code>	Round-robin buffer file location	<code>LIVEXTR_MEMORY=0</code>

### 1.4 Plugin Report Output

The following information is reported:

- Number of extracted packets

### 1.5 Additional Output

Non-standard output:

- `PREFIX_livextr.pcap`: PCAP containing the extracted packets.