



Workspace

- Quick Filters
- Quick Activities
- Quick Tiles

New Workspace\*

- Catalogs
- Logs
- Filters
- Activities
- Tiles

### AVTP Stream Extraction

Extracts all supported AVTP streams from NET messages. (PCM data to \*.wav, H.264 video data to \*.h264)

Rule Checks

Count: 3

- Completed: 0 (0.00 %)
- Succeeded: 3 (100.00 %)
- Not Completed: 0 (0.00 %)
- Inconclusive: 0 (0.00 %)
- Failed: 0 (0.00 %)

Verification Points

Count: 960291

- Passed: 960291 (100.00 %)
- Details: 0 (0.00 %)
- Information: 0 (0.00 %)
- Warning: 0 (0.00 %)
- Strong Warning: 0 (0.00 %)
- Error: 0 (0.00 %)
- Critical Error: 0 (0.00 %)

**Properties:**

Extract Location	C..
Max Delay Verification (P...	0
Stop Extraction on Error	<input checked="" type="checkbox"/>

Processed: 106,957 | Errors: 0 | Warnings: 0

In...	Time	Device	Channel	Summary	ID	Data...	Data
0	16:49:54.952.161	Device 4	Ethernet	AVTP: AAF PCM Int 16Bit StreamID=...	00:14...	0	
1	16:49:54.952.214	Device 4	Ethernet	AVTP: AAF PCM Int 16Bit StreamID=...	00:14...	0	
2	16:49:54.952.239	Device 4	Ethernet	AVTP: AAF PCM Int 16Bit StreamID=...	00:14...	0	
3	16:49:54.952.257	Device 4	Ethernet	AVTP: CRF StreamID=1	00:14...	14	00 00 00 00 00 00 00 00 00 00...
4	16:49:54.952.656	Device 4	Ethernet	AVTP: AAF PCM Int 16Bit StreamID=...	00:14...	0	

Name	Value	Display Value	Calculated Value	Unit
Subtype	2	Audio Format	Audio Format	
Stream ID Valid	True	True	True	
Version	0	0	0	
Media Clock Restart	False	False	False	
Timestamp Valid	True	True	True	

Device Manager

Show 8 deactivated devices

Local Area Connection

Device 13

106,957 / 106,957 | 0

Bit Dump

Position	0	1
Byte	Bit 7 6 5 4 3 2 1 0	15 14 13 12 11 10 9
0000	0000 1 0 0 1 0 0 0 1	1 1 1 0 0 0 0 0
0002	0016 1 1 1 1 0 0 0 0	0 0 0 0 0 0 0 0
0004	0032 1 1 1 1 1 1 1 0	0 0 0 0 0 0 0 0
0006	0048 0 0 0 0 0 0 0 0	0 0 0 0 1 0 1 0
0008	0064 1 0 0 0 0 1 1 0	0 0 0 0 0 0 0 0
000A	0080 0 0 0 0 0 0 1 1	0 1 1 0 1 0 0 0
000C	0096 1 0 0 0 0 0 0 1	0 0 0 0 0 0 0 0
000E	0112 0 1 1 0 0 0 0 0	0 0 0 0 0 0 0 0
0010	0128 0 0 1 0 0 0 1 0	1 1 1 1 0 0 0 0
0012	0144 0 0 0 0 0 0 1 0	1 0 0 0 0 0 0 0

Hex Dump

Byte	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	A
000000	91	E0	F0	00	FE	00	00	14	86	00	03	60	81	00	60	00	
000010	22	F0	02	81	C4	00	91	E0	F0	00	FE	00	00	00	15	71	
000020	CC	38	04	50	02	10	01	00	00	00	FD	B9	FA	7C	FD	51	
000030	FA	8D	FD	92	F9	52	FE	5D	FA	92	FE	D1	FB	A9	FE	5D	
000040	FA	01	FE	63	F7	71	FE	B0	F7	27	FE	87	F8	78	FE	9D	
000050	F8	DB	FE	90	F7	F8	FE	AA	F7	A9	FF	32	F9	47	FE	80	
000060	F9	70	FC	B9	F6	F7	FC	58	F6	4A	FE	17	F8	94	FF	D2	
000070	FB	70	00	87	FC	1E	00	A5	FB	C1	00	4E	FD	74	00	D2	
000080	FE	A8	01	AA	FE	16	01	CA	FD	03	01	B0	FB	93	00	81	
000090	FB	F5	FF	83	FD	18	FD	B5	FD	FB	F9	51	00	FE	FA	10	
0000A0	04	26	00	66	05	67	02	80	05	FC	01	24	06	92	00	A8	
0000B0	06	A5	00	08	06	0C	FE	85	06	35	FE	C4	07	A7	FE	D8	

System Info

- Local Area Connection: Network Interface - F8:CA:B8:28:A5:84
- Device 13: OptoLyzer MOCCA compact - 1501280139
  - Twinkle
  - Relay
  - Standalone
- CAN
- LIN
- FlexRay
- Trigger/ECL

Home

View

Workspace

Description

Device Manager

Errors & Warnings

System Info

Settings

Environment

AVTPlog.olslog

AVTP Stream Extraction

### AVTP Stream Extraction

Extracts all supported AVTP streams from NET messages. (PCM)

New

Add



Cut

Ctrl+X



Copy

Ctrl+C



Paste

Ctrl+V



Delete

Del



Rename

F2

Change Icon

106,957 | Errors: 0 | Warnings: 0

AUTOSAR Catalog

BSD Config

CAN Catalog

FIBEX Catalog

FlexRay Catalog

Franca Deployment File

Franca IDL File

LIN Catalog

MOST Catalog

Log File

Replay File

Filter File

Activity File

Tile File

Analysis File

Document File

Manager

8 deactivated devices

Area Connection

ice 13

106,957 / 106,957 | 0

Bit Dump

Position		0									
Byte	Bit	7	6	5	4	3	2	1	0	15	14
0000	0000	1	0	0	1	0	0	0	1	1	1
0002	0016	1	1	1	1	0	0	0	0	0	0
0004	0032	1	1	1	1	1	1	1	0	0	0
0006	0048	0	0	0	0	0	0	0	0	0	0
0008	0064	1	0	0	0	0	1	1	0	0	0
000A	0080	0	0	0	0	0	0	1	1	0	1
000C	0096	1	0	0	0	0	0	0	1	0	0
000E	0112	0	1	1	0	0	0	0	0	0	0
0010	0128	0	0	1	0	0	0	1	0	1	1
0012	0144	0	0	0	0	0	0	1	0	1	0
0014	0160	1	1	0	0	0	0	1	1	0	0

# Export Log File



«

Search CAN Sensors

File name: AVTPlog.olsreplay

Save as type: OptoLyzer Studio Replay File (\*.olsreplay)

Browse Folders

OptoLyzer Studio Replay File (\*.olsreplay)

Binary Logging Format File (\*.blf)

PCAP File (\*.pcap)

CSV File (\*.csv)

OptoLyzer Suite Image File (\*.img)

K2L Viewer Log File (\*.k2llog)

OptoLyzer Studio Log File (\*.olslog)

PCAP NG File (\*.pcapng)



Export

Others

\* data to \*.wav, H.264 video data

## FlexRay (1 Filter)

FlexRay Filter 1

```
( *.Direction == Tx AND *.FlexRay_Channel == Channel_A AND *.Transformed == False AND  
*.FlexRay_Channel == Channel_A )
```

Preview

## Internet (1 Filter)

Internet Filter 1

```
( IPv4.Header_Checksum == 0 AND ICMPv6.*.ICMPv6_Type == Destination_Unreachable AND  
IPv6_Extension_Header.IPv6_Hop_by_Hop_Options.Options[0].Router_Alert.Alert_Code ==  
Multicast_Listener_Discovery_Message )
```

Preview

AND

IPv4.Header Checksum = 0

ICMPv6.\*.ICMPv6 Type = Destination Unreachable

IPv6 Extension Header.IPv6 Hop-by-Hop Options.Options[ 0 ].Router Alert.Alert Code = Multicast Listener Discovery Messa

new

## Ethernet (1 Filter)

Ethernet Filter 1

```
( *.TLVs[0].General_TLV.Length == 0 AND PPPoE.TLVs[0].Host_Uniq.Value[0] == 0 )
```

Preview

AND

\*.TLVs[ 0 ].General TLV.Length = 0

PPPoE.TLVs[ 0 ].Host Uniq.Value[ 0 ] = 0

new

Bit Dump

x

Hex Dump

x

System Info

Column Chooser



To define a column in the Trace View simply open the tree to get to the desired property (Column Name without any expander button) and then Drag & Drop the Column Name onto the column headers in the Trace View where you want the column to appear.

Column Name	Description
▶ Message	Base class of all messages.
▶ Link Layer Packet	Link layer packet to transport link layer messages (like a Ethernet II frame).
▶ Trace	Common messages carrying information not directly related to a specific bus system...
▶ CAN	CAN (Controller Area Network) is a vehicle bus standard designed to allow microcontr...
▶ LIN	LIN (Local Interconnect Network) is a serial network protocol used for communication...
▶ FlexRay	FlexRay is an automotive network communications protocol developed by the FlexRay...
▶ MOST	MOST (Media Oriented Systems Transport) is a high-speed multimedia network techn...
▶ Trigger/ECL	Trigger/ECL (Electrical Control Line) connects multiple ECUs that can exchange inform...
▲ Ethernet	Family of IEEE protocols for local area networks.
▶ Port Link Status Changed	Link status of Ethernet port changed.
▶ Ethernet	Ethernet is a family of computer networking technologies for local area networks (LAN...
▶ ARP	The Address Resolution Protocol (ARP) is a telecommunication protocol used for resol...
▶ LLDP	Link Layer Discovery Protocol (see IEEE 802.1AB).
▶ PPP	Point to Point Protocol.
▶ PPPoE	PPP over Ethernet (PPPoE) provides the ability to connect a network of hosts over a si...
▶ Redundancy Tag	IEEE 802.1CB is the networking standard that supports the redundant transmission on a...
▶ VLAN Tag	IEEE 802.1Q is the networking standard that supports virtual LANs (VLANs) on an Ether...
▶ Wake-on-LAN	Wake-on-LAN (WoL) is an Ethernet or Token ring computer networking standard that...
▶ MAC Control	Ethernet flow control is a mechanism for temporarily stopping the transmission of dat...
▶ AVTP	Transport protocol for transferring audio/video data over a time sensitive network.
▶ PTP	The Precision Time Protocol (PTP) is a protocol used to synchronize clocks throughou...
▶ MRP	Multiple Registration Protocol (MRP) is a generic registration framework defined by th...
▲ Internet	The Internet Protocol (IP) is the principal communications protocol in the Internet prot...
▶ RTP	Real-Time Transport Protocol.
▶ AUTOSAR PDU	AUTOSAR PDU transferred over ethernet.
▶ AUTOSAR PDU Header	AUTOSAR PDU header transferred over ethernet.
▶ DHCPv4	The Dynamic Host Configuration Protocol (DHCP) provides a framework for passing c...
▶ DHCPv6	The Dynamic Host Configuration Protocol for IPv6 (DHCP) enables DHCP servers to pa...
▶ DNS	The goal of domain names is to provide a mechanism for naming resources in such a...
▶ DoIP	DoIP (Diagnostics over Internet Protocol) is a communication protocol of the automot...
▶ IPv4	Internet Protocol Version 4 (IPv4) is the fourth version in the development of the Intern...
▶ IPv6	Internet Protocol Version 6 (IPv6) is the most recent version of the Internet Protocol (IP...
▶ TCP	TCP provides reliable, ordered, and error-checked delivery of a stream of octets betwe...
▶ UDP	UDP uses a simple connectionless transmission model over an Internet Protocol (IP) ne...
▶ UDP-Lite	The Lightweight User Datagram Protocol (UDP-Lite), which is similar to the User Datag...
▶ RTCP	The RTP control protocol (RTCP) is based on the periodic transmission of control pac...
▶ IPv6 Extension Header	IP version 6 (IPv6) is a new version of the Internet Protocol, designed as the successor t...
▶ ICMPv4	ICMPv4 is the Internet Control Message Protocol for Internet Protocol version 4 (IPv4).
▶ ICMPv6	ICMPv6 is the Internet Control Message Protocol for Internet Protocol version 6 (IPv6).
▶ IGMP	Internet Group Management Protocol (IGMP) allows group membership termination t...
▶ SOME/IP	SOME/IP is an automotive middleware solution that can be used for control messages.
▶ MQTT	MQ Telemetry Transport or Message Queue Telemetry Transport is a publish-subscrib...
▶ TFTP	TFTP is a very simple protocol used to transfer files. It is from this that its name comes,...
▶ I <sup>2</sup> C	I <sup>2</sup> C (Inter-Integrated Circuit) is a synchronous, multi-master, multi-slave, packet switch...
▶ USB	USB (abbreviation of Universal Serial Bus), is an industry standard that establishes speci...
▶ SPI	The Serial Peripheral Interface (SPI) is a synchronous serial communication interface sp...
▶ PMP	Protocol Message Protocol.

sis

Create Report

Messages (PC

Channel

Etherne

Etherne

Etherne

Etherne

Etherne

Audio For

Value

2

True

0

False

True

196

False

105116

Etherne

Etherne

Etherne

Etherne

Etherne

Etherne

Etherne

Etherne

Etherne

Etherne

15 14

1 1

0 0

0 0

0 0

0 0

0 0

0 0

1 1

0 0

0 0

0 0

000090	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0000A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0000B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

III

Item Info

Loc

De

CAN

LIN

FlexRay

Trigger