

Public Support - Support Request #11288

TCP data exchange with vector device

2020-05-21 10:25 - hidden

Status:	Closed	
Priority:	Normal	
Category:		
Customer:	PORSCHE	Product Issue Numbers:
Department:		Affected Products: ADTF 3.6.3, ADTF Device Toolbox 3.1.0
Requester's Priority:	Normal	Platform: Windows 7 64bit
Support Level:	2nd Level	Topic: DeviceTB::Ethernet
Resolution:	No Customer Feedback	FAQ Links:
Description		
Supportanfrage		
<p>I am trying to establish TCP communication with ECU connected through vector device (VN5610A). I saw that there is an example on CAN/CANFD interfacing with vector (device toolbox), so I was wondering whether there is something similar for TCP/UDP communication.</p> <p>In addition, could you provide source code for filters VECTOR CAN FD Device Receiver, VECTOR CAN FD Device Transmitter?</p>		
Lösung		
<p>UDP Communication via SOME/IP will part of the next Device Toolbox 3.2 Release within the next weeks</p> <p>At the moment we are not supporting TCP communication with SOME/IP. But it is about to come.</p> <p>We cannot provide the source-code for the Vector CANFD Streaming Devices.</p> <p>There is no plan to implement a Vector Ethernet Streaming Source, only CAN, CAN FD and FlexRay are requirements in ADTF. For Ethernet SOME/IP we follow a device independent solution based on PCap, which is already available since Device TB 3.1.0 -> https://support.digitalwerk.net/adtf_addons/adtf-device-toolbox/v3/devicetoolbox_html/page_pcap_receiver_plugin.html</p> <p>This will also work on Linux, which we can not handle for Vector API.</p> <p>So there is no additional hardware required to trace ethernet data within ADTF 3.x.</p> <p>I can also imagine if you are using the ethernet port of the Vector Hardware you can access the ethernet data from device (but I can't prove that).</p> <p>So if this is no solution for you, you have to implement a Streaming Service which handles Vector Driver XL Library Ethernet part. Best case could be just using the examples from the Vector API and integrate within your Source/Sink, but that is not our supported range and you should talk with Vector Support if documentation is not enough useful.</p> <p>If you do, I would suggest to work with the same structure our PCap Source provides, then the post-toolchain (SOME/IP Filter, Trace View, ...) can handle the incoming data.</p>		
Related issues:		
Related to Public Support - Support Request #11562: Using vector Ethernet Dev...		Closed

History

#1 - 2020-05-22 09:20 - hidden

- Status changed from New to In Progress
- Topic set to DeviceTB::Ethernet
- Customer set to PORSCHE

#2 - 2020-05-25 07:19 - hidden

Hello Mr Novak,

- UDP Communication via SOME/IP will part of the next Device Toolbox 3.2 Release within the next weeks
- At the moment we are not supporting TCP communication with SOME/IP. But it is about to come.
- We cannot provide the source-code for the Vector CANFD Streaming Devices

Kind regards
Benedict Hartmann

#3 - 2020-05-26 09:05 - hidden

- Status changed from In Progress to Customer Feedback Required

#4 - 2020-05-29 12:27 - hidden

Hi Jakub,

in addition to [#11288#note-2](#):

There is no plan to implement a Vector Ethernet Streaming Source, only CAN, CAN FD and FlexRay are requirements in ADTF. For Ethernet SOME/IP we follow a device independent solution based on PCap, which is already available since Device TB 3.1.0 -> https://support.digitalwerk.net/adtf_addons/adtf-device-toolbox/v3/devicetoolbox_html/page_pcap_receiver_plugin.html
This will also work on Linux, which we can not handle for Vector API.

So there is no additional hardware required to trace ethernet data within ADTF 3.x.

I can also imagine if you are using the ethernet port of the Vector Hardware you can access the ethernet data from device (but I can't prove that).

So if this is no solution for you, you have to implement a Streaming Service which handles Vector Driver XL Library Ethernet part. Best case could be just using the examples from the Vector API and integrate within your Source/Sink, but that is not our supported range and you should talk with Vector Support if documentation is not enough useful.

If you do, I would suggest to work with the same structure our PCap Source provides, then the post-toolchain (SOME/IP Filter, Trace View, ...) can handle the incoming data.

#5 - 2020-06-09 12:26 - hidden

- Project changed from 16 to Public Support

- Description updated

- Status changed from Customer Feedback Required to To Be Closed

- Private changed from Yes to No

- Resolution set to No Customer Feedback

#6 - 2020-06-23 16:01 - hidden

- Related to Support Request #11562: Using vector Ethernet Device VN5610A within ADTF Device Toolbox 3.x added

#9 - 2020-07-07 12:50 - hidden

- Status changed from To Be Closed to Closed