

## Public Support - Support Request #11288

### TCP data exchange with vector device

2020-05-21 10:25 - hidden

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Category:</b>	
<b>Customer:</b> PORSCHE	<b>Product Issue Numbers:</b>
<b>Department:</b>	<b>Affected Products:</b> ADTF 3.6.3, ADTF Device Toolbox 3.1.0
<b>Requester's Priority:</b> Normal	<b>Platform:</b> Windows 7 64bit
<b>Support Level:</b> 2nd Level	<b>Topic:</b> DeviceTB::Ethernet
<b>Resolution:</b> No Customer Feedback	<b>FAQ Links:</b>
<b>Description</b>	
<b>Supportanfrage</b>	
<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>	
<b>Lösung</b>	
<p>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.</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 -&gt; <a href="https://support.digitalwerk.net/adtf_addons/adtf-device-toolbox/v3/devicetoolbox_html/page_pcap_receiver_plugin.html">https://support.digitalwerk.net/adtf_addons/adtf-device-toolbox/v3/devicetoolbox_html/page_pcap_receiver_plugin.html</a> 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. 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>	
<b>Related issues:</b>	
Related to Public Support - Support Request #11562: Using vector Ethernet Dev...	<b>Closed</b>

#### 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](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