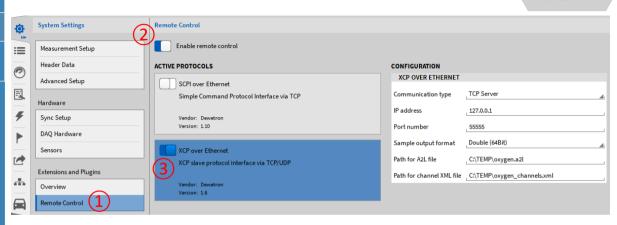


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ENABLING XCP IN OXYGEN



- Go to Remote Control in System SettingsEnable Remote Control
- (3) Enable XCP over Ethernet

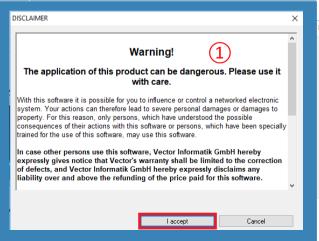


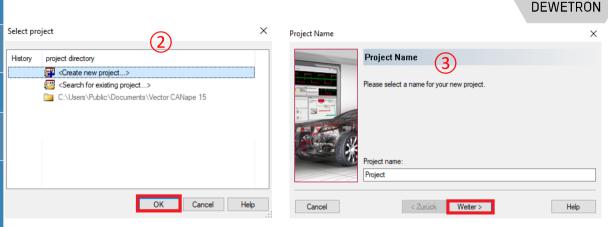
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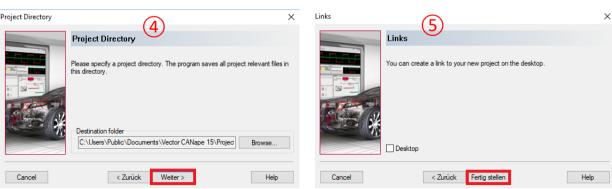
CREATING A NEW PROJECT IN CANAPE



- 1 Start CANape and accept the disclaimer
- ② | Select *Create new project...* and click on OK
- 3 Enter a *Project Name* and click on *Next*:
- 4 Select the *Project Directory* and click on *Next*
- If desired, you can create a link to your new project on the desktop and click on *Finish*



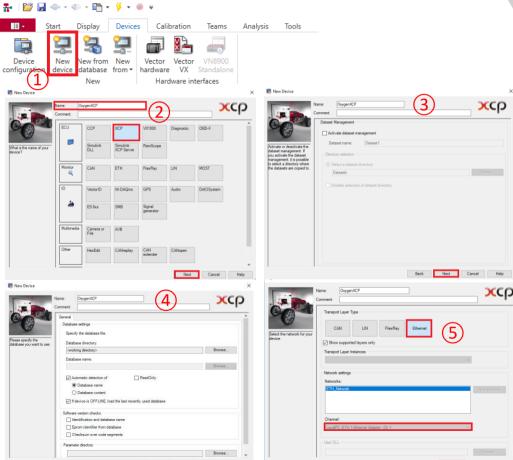




CREATING A NEW XCP DEVICE IN CANAPE



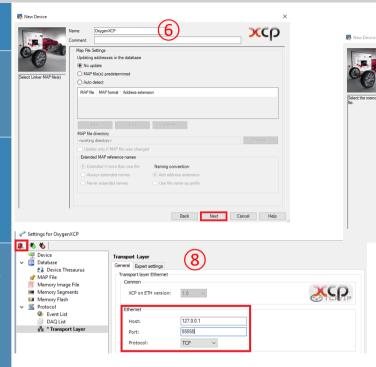
- After creating or opening a project in CANape, go to the Devices ribbon and click on New device
- 2 Enter a device *Name*, select *ECU XCP* and click on Next
- The *Dataset Management* settings can remain untouched:
- The *Database settings* can remain untouched as well
- Select *Transport Layer Type*: Ethernet, select the *Channel*: LocalPC: ETH 1-Ethernet Adapter Ch 1 and click on Next



CREATING A NEW XCP DEVICE IN CANAPE CONT'D



- 6 The Map File Settings can remain untouched
- The *Memory image file settings* can remain untouched as well
 After clicking on *OK*, the Device Settings will open.
- Go to the *Transport Layer* menu and enter the ethernet settings
 - > Host: IP address of the OXYGEN PC
 - > Port: Port for data transmission
 - > Protocol: TCP or UDP
- Swap to OXYGEN and enter the same settings in the Configuration for XCP over Ethernet settings
 - > Communication Type: TCP or UDP
 - > IP address: LAN port IP address of the OXYGEN PC (not IP address of the CANape PC)
 - > Port: Port for data transmission





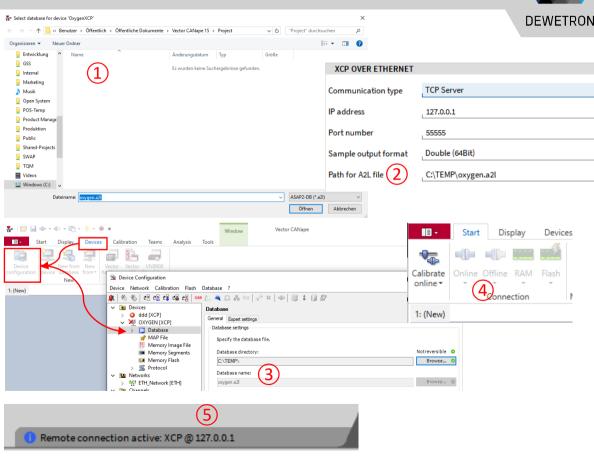
	CONFIGURATION FOR XCP OVER ETHERNET			
	Communication Type	TCP Server		
	IP Address	127.0.0.1	9	
	Port Number	55555		
ľ	Output Format	Double (64Bit)		
	A2L File Path	C:/TEMP/oxygen.a2l		
	XML File Path	C:/TEMP/oxygen_channels.xml		

OXYGENS A2L-FILE

- 1 After finishing the device configuration, the proper a2l-file has to be selected
- 2 The path the a2I-file is stored can be edited in OXYGEN
- The a2I-file can be selected in the menu Devices → Device Configuration → Database as well
- The connection to OXYGEN is established automatically after selecting the proper a2I-file and can be manually enabled/disabled in the Canape Start menu
- (5) When the remote connection is active, a hint will be displayed in OXYGEN and the screen is locked

The a2l-file is a description file and includes information about all available channels in an OXYGEN setup

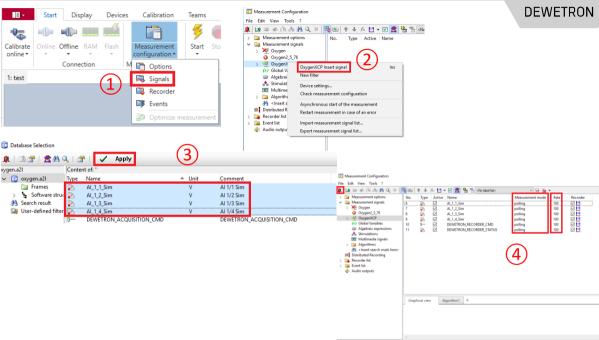
It is created automatically when enabling XCP and during acquisition restart (i.e. software startup or setup load)



TRANSFERRING DATA FROM OXYGEN TO CANAPE



- Go to the *Start* ribbon and click on Signals in the *Measurement* configuration
- Select your device, perform a right click and click on *Insert signal*
- The *Database Selection* will open and list all available signals from the device Select your desired analog signals and click on *Apply*The *Database Selection* menu can be left again by clicking on the *Door* button
- 4 Select a *Measurement mode*, i.e. polling (Program sends a cyclic request for the current value) close the *Measurement Configuration* with the *Door* button



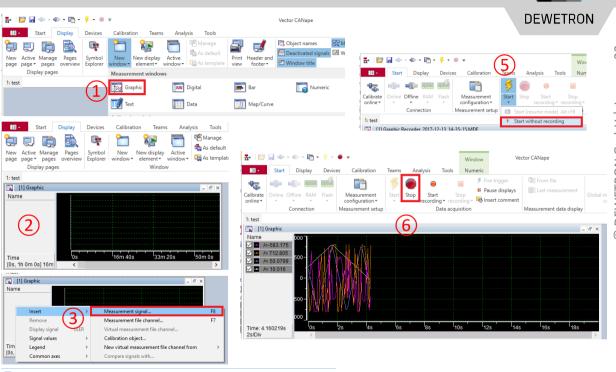
The following *Measurement Modes* are currently supported:

- *Polling*: Program sends a cyclic request for the current value
- 1s (average): Value will be measured by an ECU event
- 100ms (average): Value will be measured by an ECU event
- 10ms (average): Value will be measured by an ECU event
- 1ms (average): Value will be measured by an ECU event
- 100μs (average): Value will be measured by an ECU event

DISPLAYING DATA IN CANAPE



- Go to the *Display* ribbon, select *New* window and select a *Measurement* window, i.e. *Graphic*
- The *Graphic* window is added to the display which will show the time dependent signal trend
- To assign channel(s) to the window, right click into the grey space, select Insert and click on Measurement signal...
- Select the desired signals from the list, click on *Apply* and leave the selection menu by clicking on the *Door* button
- Go to the *Start* ribbon go to the select the data acquisition section and click on *Start without recording*
- 6 Data is now transferred from OXYGEN to CANape until the *Stop* button is pressed





EDITING OXYGEN RECORDING STATE VIA CANAPE

Software struc

DEWETRON_ACQUISITION_CMD

* # 0

6

_ & X

Search result
User-defined filter

[4] Parameter

+ / 2

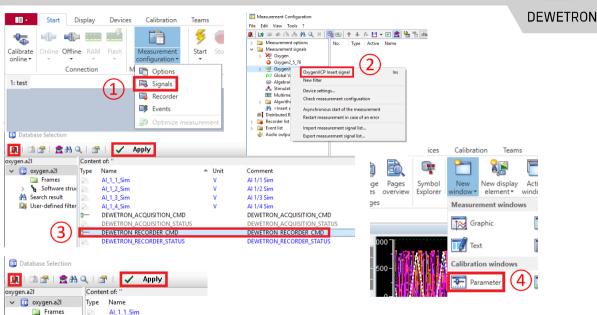
Value

DEWETRON RECORDER CMD



- Go to the Start ribbon and click on Signals in the Measurement configuration
- 2 | Select your device, perform a right click and click on *Insert Signal*
- The Database Selection will open and list all available signals from the device Select DEWETRON_RECORDER_CMD for editing the recording state in of OXYGEN The Database Selection menu can be left again by clicking on the Door button
- Go to the *Display* ribbon, click on the *New window* section and select *Parameter*
- Select the signal

 DEWETRON_RECORDER_CMD from the list, click on Apply and leave the setup with the Door button
- 6 OXYGEN's recording state can be controlled by the signal DEWETRON_RECORDER_CMD via the Parameter window



The following recording commands are available:

- 0 ... Default value
- 1 ... Start Recording
- 2 ... Pause Recording
- 3 ... Stop Recording
- 4 ... Resume Recording