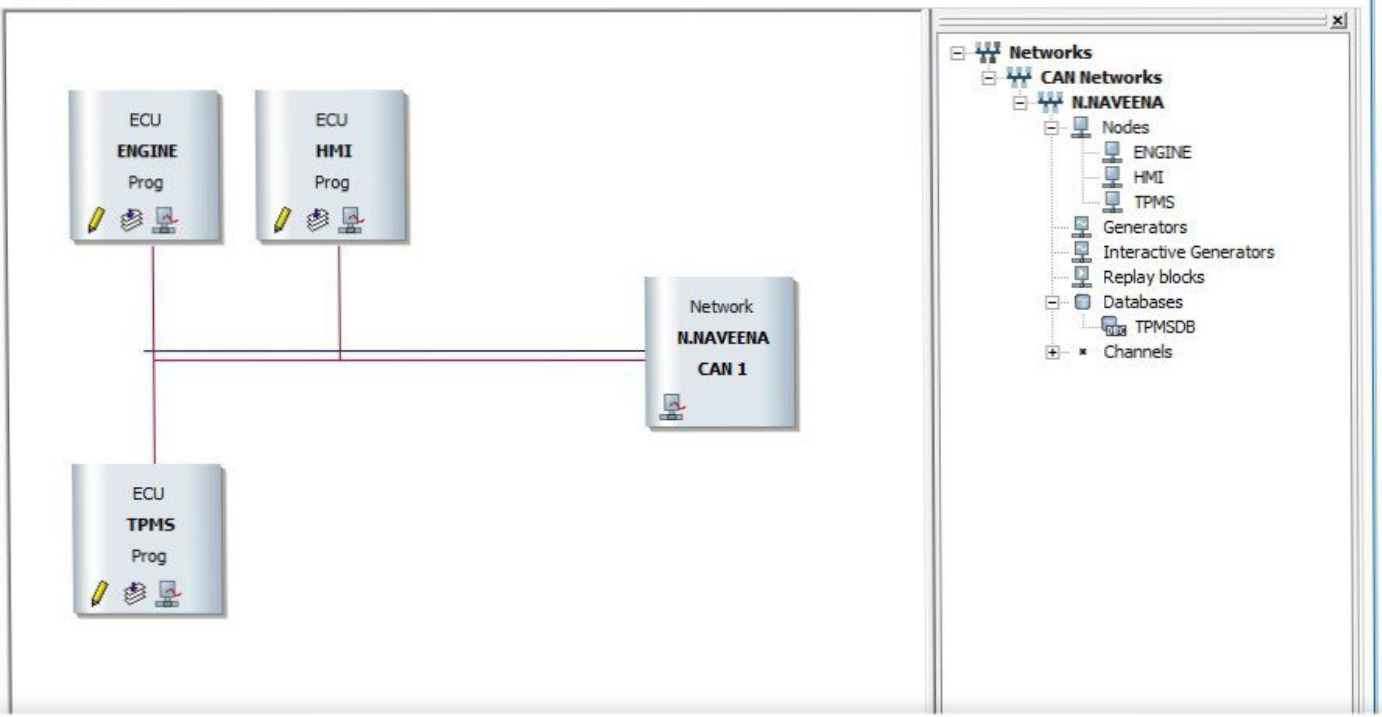
Configuration1 - TPMS.cfg * [Simulated Bus] - Vector CANoe

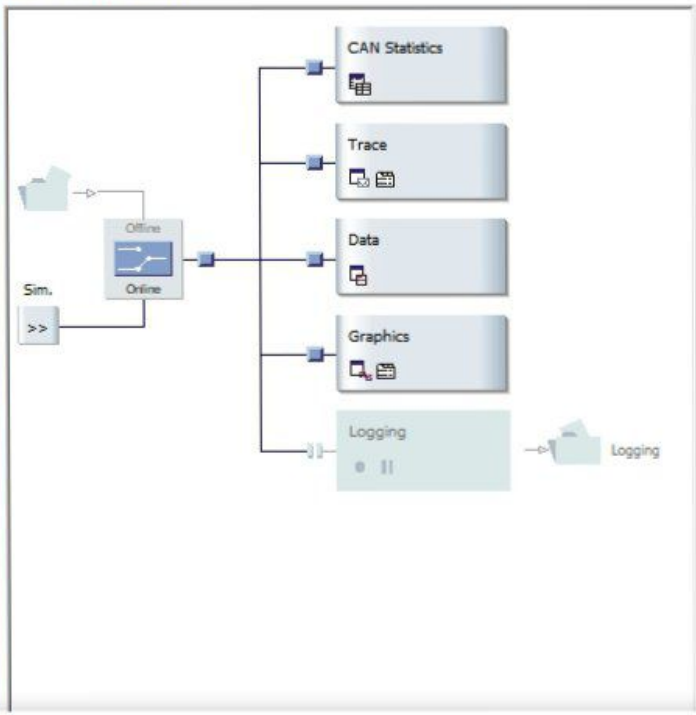
File | Home | Analysis | Simulation | Test | Diagnostics | Environment | Hardware | Tools | Layout

Start | Stop | Step | Break | Animate | 100 | Online Mode | Real Bus | Standalone Mode | Measurement | dec hex sym num | Appearance | Window Synchronization | Write | Panel | Favorites | More

Simulation Setup



Measurement Setup



Write

Find text: <Search

Source | Message

Type here to search

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Vector CANdb++ Editor - C:\Users\ELCOT\Desktop\TPMS\TPMS DB.dbc - [Overall View]

File Edit View Options Window Help

- Environment variables
  - ENV_Engine
  - ENV_FLW
  - ENV_FRW
  - ENV_RLW
  - ENV_RRW
- Network nodes
  - Engine_ECU
  - HMI_ECU
  - TPMS_ECU
- Messages
  - Engine_Message (0x101)
  - FLW_Message (0x102)
  - FRW_Message (0x103)
  - HMI_FLW_Message (0x10
  - HMI_FRW_Message (0x10
  - HMI_RLW_Message (0x10
  - HMI_RRW_Message (0x10
  - RLW_Message (0x104)
  - RRW_Message (0x105)
- Signals
  - Engine_signal
  - FLW_High
  - FLW_Low
  - FLW_Medium
  - FLW_Signal
  - FRW_High
  - FRW_Low
  - FRW_Medium
  - FRW_Signal
  - RLW_High
  - RLW_Low
  - RLW_Medium

Name	Type	Unit	Mini...	Maxi...	Initial...	Leng...	Access	Value Table	Comment
ENV_Engine	Integer		0x0	0x1	0x0	-	unrestricted	<none>	
ENV_FLW	Integer		0x0	0x32	0x0	-	unrestricted	<none>	
ENV_FRW	Integer		0x0	0x32	0x0	-	unrestricted	<none>	
ENV_RLW	Integer		0x0	0x36	0x0	-	unrestricted	<none>	
ENV_RRW	Integer		0x0	0x36	0x0	-	unrestricted	<none>	

Environment Variable(s)

Ready

CAPS

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Configuration1 - TPMS.cfg [Simulated Bus] - Vector CANoe

Panel2

FLW

FRW

ENGINE

FLW_Signal: 10

FRW_Signal: 32

RLW

RRW

RLW_Signal: 10

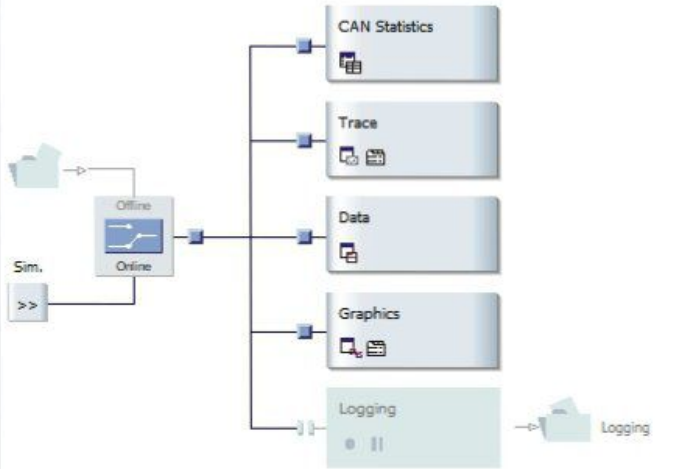
RRW_Signal: 10

Panel

Favorites

Networks
CAN Networks
CAN
Nodes
ENGINE
HMI
TPMS
Generators
Interactive Generators
Replay blocks
Databases
TPMSDB
Channels

Measurement Setup



Write

Find text:

Source | Message

CAPL / .NET WARNING: THE TIER PRESSURE IS LOW
CAPL / .NET WARNING: THE TIER PRESSURE IS LOW
CAPL / .NET WARNING: THE TIER PRESSURE IS LOW
CAPL / .NET WARNING: THE TIER PRESSURE IS LOW
CAPL / .NET WARNING: THE TIER PRESSURE IS MEDIUM
CAPL / .NET WARNING: THE TIER PRESSURE IS MEDIUM
CAPL / .NET WARNING: THE TIER PRESSURE IS LOW
CAPL / .NET WARNING: THE TIER PRESSURE IS LOW

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Configuration1 - TPMS.cfg [Simulated Bus] - Vector CANoe

Panel2

FLW

FRW

ENGINE

FLW_Signal: 10

FRW_Signal: 32

RLW

RRW

RLW_Signal: 20

RRW_Signal: 40

Panel

Favorites

Networks
CAN Networks
CAN
Nodes
ENGINE
HMI
TPMS
Generators
Interactive Generators
Replay blocks
Databases
TPMSDB
Channels

Measurement Setup

CAN Statistics
Trace
Data
Graphics
Logging
Offline
Online
Sim.
>>
Logging

Write

Find text:
<Search
earch now
Sear...
Up
Down

Source	Message
CAPL / .NET	WARNING: THE TIER PRESSURE IS MEDIUM
CAPL / .NET	WARNING: THE TIER PRESSURE IS MEDIUM
CAPL / .NET	WARNING: THE TIER PRESSURE IS MEDIUM
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CAPL / .NET	WARNING: THE TIER PRESSURE IS MEDIUM

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Configuration1.cfg [Simulated Bus] - Vector CANoe

File | Home | Analysis | Simulation | Test | Diagnostics | Environment | Hardware | Tools | Layout

FLW

FRW

ENGINE

FLW_Signal: 16

FRW_Signal: 22

RLW

RRW

RLW_Signal: 43

RRW_Signal: 43

Write

Source	Message
CAPL / .NET	WARNING: THE TIER PRESSURE IS MEDIUM
CAPL / .NET	CHECK THE TIER PRESSURE
CAPL / .NET	CHECK THE TIER PRESSURE
CAPL / .NET	CHECK THE TIER PRESSURE

Overview | System | CAPL / .NET | Test

Trace | Configuration | Analysis

0:00:00:23

Vector CAPL Browser

File Edit View Filter Compiler Tools Window Help

Capl -tpms.can | Capl-tpms-program.can | Capl-hmi-tpms.can

- Includes
- Variables
- System
- Value Objects
  - on envVar ENV_FLW
  - on envVar ENV_FRW
  - on envVar ENV_RLW
  - on envVar ENV_...
- CAN
- Functions

```
1  /*@!Encoding:1252*/
2  includes
3  {
4
5  }
6
7  variables
8  {
9    message Engine_Message EM;
10   message FLW_Message FLWP;
11   message FRW_Message FRWP;
12   message RLW_Message RLWP;
13   message RRW_Message RRWP;
14   message HMI_FLW_Message HMIFL;
15   message HMI_FRW_Message HMIFR;
16   message HMI_RLW_Message HMIRL;
17   message HMI_RRW_Message HMIRR;
18 }
19  on message FLW_Message
20 {
21   if(@ENV_Engine==1)
22   {
23     if((FLWP.FLW_Signal>=1) && (FLWP.FLW_Signal<=16))
24   {
25     HMIFL.FLW_High=0;
26     HMIFL.FLW_Low=1;
```

CAPL Functions

Enter a search

- Event Handlers
  - CAN
  - System
  - Value Objects
- System Functions
  - All Functions
  - General
    - cancelTimer
    - output
    - setTimer
    - write
  - Additional Cate...
  - CANstressNG
  - CAN
  - Sensor
  - VT System

Output

Description	File
Compiling file 'Capl-hmi-tpms.can'	Capl-hmi-tpms.can
Compilation succeeded (03:31:09) -- 0 errors, 0 warnings	Capl-hmi-tpms.can

Event Handlers

Output | Bookmarks | Breakpoints

CAPL Fu... | Symbols

Ln 214 Col 2 INS

Type here to search

ENG 03:59 08-10-2024

Vector CAPL Browser

File Edit View Filter Compiler Tools Window Help

Capl -tpms.can | Capl-tpms-program.can | Capl-hmi-tpms.can

- Includes
- Variables
- System
- Value Objects
- CAN
- Functions

```
1  /*@!Encoding:1252*/
2  variables
3  {
4    message Engine_Message EM;
5    int engine_off=0, engine_run=1;
6    msTimer engine_timer;
7
8  }
9  on start
10 {
11   setTimer(engine_timer, 500);
12   write("engine ecu is started");
13 }
14 on envVar ENV_Engine
15 {
16   EM.Engine_signal=@ENV_Engine;
17   output(EM);
18   write("engine is on");
19 }
20 on timer engine_timer
21 {
22   output(EM);
23   setTimer(engine_timer, 500);
24 }
```

CAPL Functions

Enter a search

- Event Handlers
  - CAN
  - System
  - Value Objects
- System Functions
  - All Functions
  - General
    - cancelTimer
    - output
    - setTimer
    - write
  - Additional Cate...
  - CANstressNG
  - CAN
  - Sensor
  - VT System

Output

Description	File
Compiling file 'Capl-hmi-tpms.can'	Capl-hmi-tpms.can
Compilation succeeded (03:31:09) -- 0 errors, 0 warnings	Capl-hmi-tpms.can

Event Handlers

Output | Bookmarks | Breakpoints | CAPL Fu... | Symbols

Ln 2 Col 10 INS

Type here to search

ENG 03:59 08-10-2024

Vector CAPL Browser

File Edit View Filter Compiler Tools Window Help

Capl -tpms.can | Capl-tpms-program.can | Capl-hmi-tpms.can

- Includes
- Variables
- System
- Value Objects
  - on envVar ENV_FLW
  - on envVar ENV_FRW
  - on envVar ENV_RLW
  - on envVar ENV_...
- CAN
- Functions

```
25  {
26    if (@ENV_Engine==1)
27    {
28      FRWP.FRW_Signal=@ENV_FRW;
29      output(FRWP);
30    }
31  }
32
33  on envVar ENV_RLW
34  {
35    if (@ENV_Engine==1)
36    {
37      RLWP.RLW_Signal=@ENV_RLW;
38      output(RLWP);
39    }
40  }
41
42  on envVar ENV_RRW
43  {
44    if (@ENV_Engine==1)
45    {
46      RLWP.RLW_Signal=@ENV_RRW;
47      output(RLWP);
48    }
49  }
```

CAPL Functions

Enter a search

- Event Handlers
  - CAN
  - System
  - Value Objects
- System Functions
  - All Functions
  - General
    - cancelTimer
    - output
    - setTimer
    - write
  - Additional Cate...
  - CANstressNG
  - CAN
  - Sensor
  - VT System

Event Handlers

Output

Description	File
Compiling file 'Capl-hmi-tpms.can'	Capl-hmi-tpms.can
Compilation succeeded (03:31:09) -- 0 errors, 0 warnings	Capl-hmi-tpms.can

Output | Bookmarks | Breakpoints

CAPL Fu... | Symbols

Ln 49 Col 2 INS

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