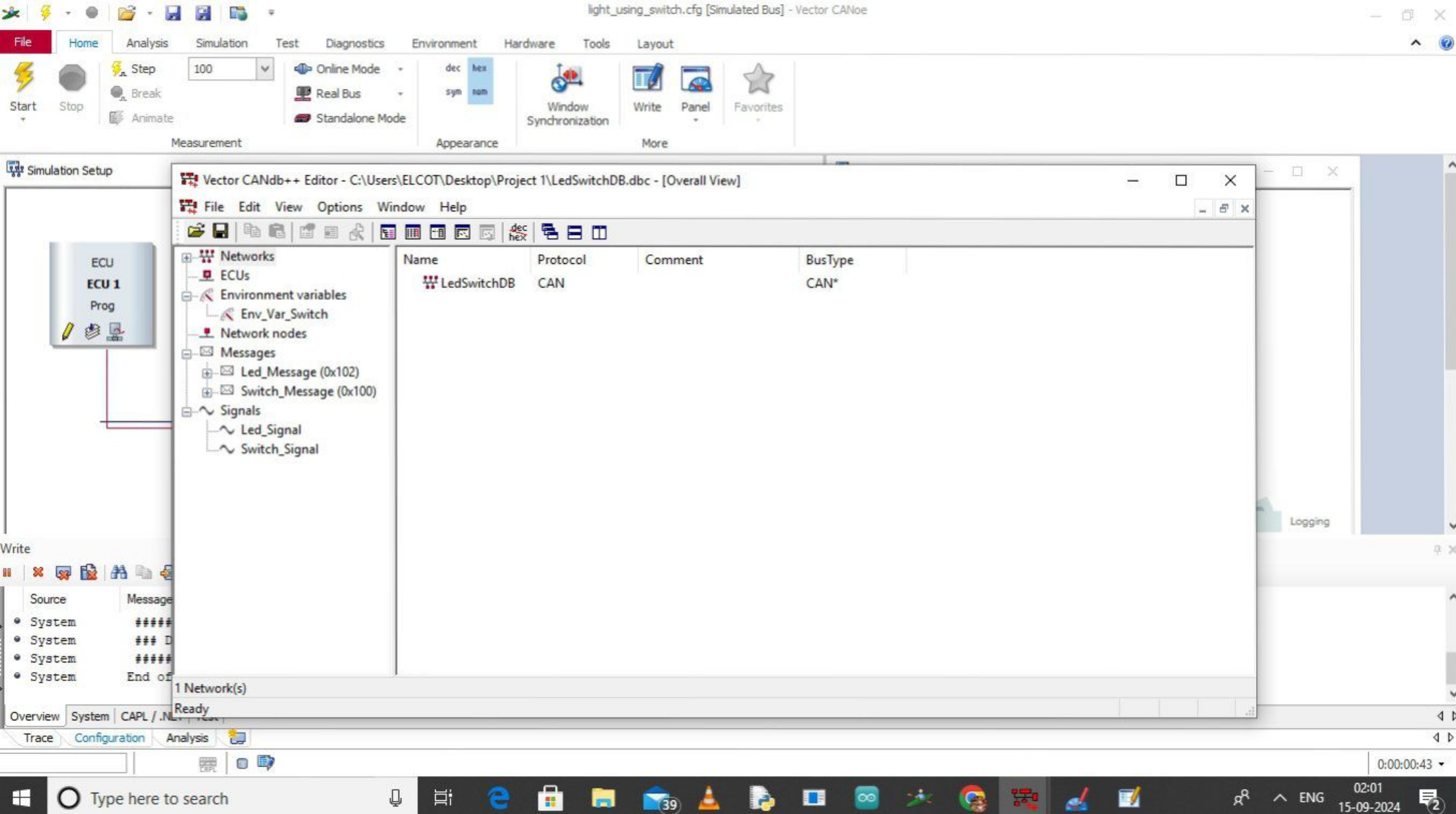

light_using_switch.cfg [Simulated Bus] - Vector CANoe
File
Home
Analysis
Simulation
Test
Diagnostics
Environment
Hardware
Tools
Layout
Start
Stop
Step
Break
Animate
100
Online Mode
Real Bus
Standalone Mode
Measurement
Appearance
Window Synchronization
Write
Panel
Favorites
More
Simulation Setup
ECU
ECU 1
Prog
Vector CANdb++ Editor - C:\Users\ELCOT\Desktop\Project 1\LedSwitchDB.dbc - [Overall View]
File Edit View Options Window Help
Networks
ECUs
Environment variables
Env_Var_Switch
Network nodes
Messages
Led_Message (0x102)
Switch_Message (0x100)
Signals
Led_Signal
Switch_Signal
Name
Protocol
Comment
BusType
LedSwitchDB
CAN
CAN*
1 Network(s)
Ready
Logging
Write
Source
Message
System
Overview
System
Trace
Configuration
Analysis
0:00:00:43
Type here to search
ENG
02:01
15-09-2024

Vector CAPL Browser

File Edit View Filter Compiler Tools Window Help

LedSwitch.can

- Includes
- Variables
- System
- Value Objects
  - on envVar Env_Var_...
- CAN
  - on message CAN...
- Functions

```
1  /*@!Encoding:1252*/
2  includes
3  {
4
5  }
6
7  variables
8  {
9   message Led_Message LD;
10  message Switch_Message SW;
11 }
12  on message Switch_Message
13 {
14   if(@Env_Var_Switch==1)
15   {
16     LD.Led_Signal=1;
17     write("LED ON STATE");
18     output(LD);
19   }
20   else
21   {
22     LD.Led_Signal=0;
23     write("LED OFF STATE");
```

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

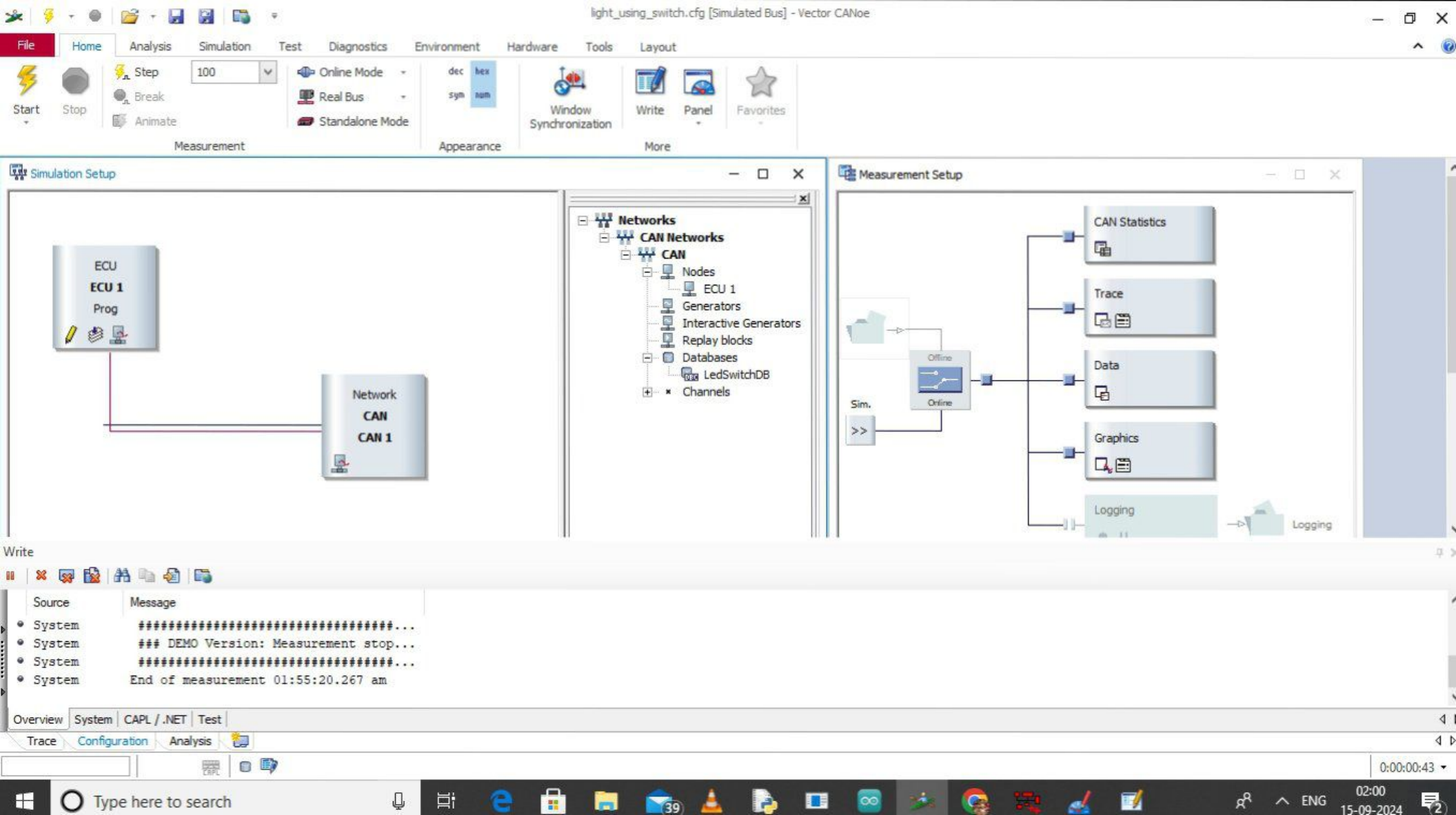
Output | Bookmarks | Breakpoints

CAPL Fu... | Symbols

Ln 20 Col 7 INS

Type here to search

ENG 02:35 15-09-2024


light_using_switch.cfg [Simulated Bus] - Vector CANoe
File
Home
Analysis
Simulation
Test
Diagnostics
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Hardware
Tools
Layout
Start
Stop
Step
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Online Mode
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Measurement
dec
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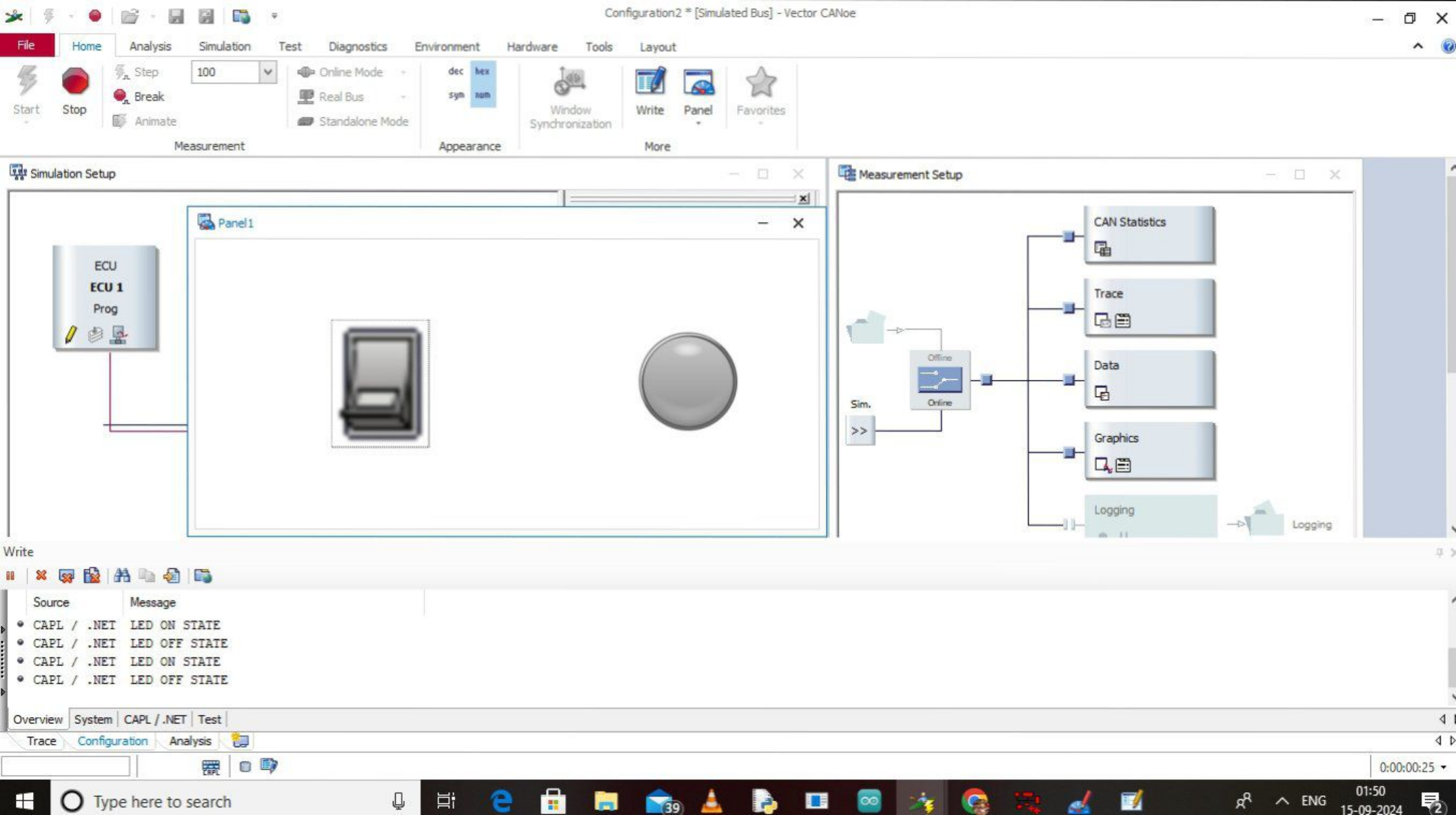
Simulation Setup
ECU
ECU 1
Prog
Network
CAN
CAN 1
Networks
CAN Networks
CAN
Nodes
ECU 1
Generators
Interactive Generators
Replay blocks
Databases
LedSwitchDB
Channels
Measurement Setup
CAN Statistics
Trace
Data
Graphics
Logging
Offline
Online
Sim.
>>
Logging
Write
Source
Message
System ##################################...
System ### DEMO Version: Measurement stop...
System ##################################...
System End of measurement 01:55:20.267 am
Overview
System
CAPL / .NET
Test
Trace
Configuration
Analysis
0:00:00:43
Type here to search
ENG
02:00
15-09-2024


Configuration2 * [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
Panel1
ECU
ECU 1
Prog
Measurement Setup
CAN Statistics
Trace
Data
Graphics
Logging
Offline
Online
Sim.
>>
Logging
Write
Source
Message
CAPL / .NET LED ON STATE
CAPL / .NET LED OFF STATE
CAPL / .NET LED ON STATE
CAPL / .NET LED OFF STATE
Overview
System
CAPL / .NET
Test
Trace
Configuration
Analysis
0:00:00:25
Type here to search
ENG
01:50
15-09-2024

Configuration2 * [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

Panel1

ECU
ECU 1
Prog

Measurement Setup

CAN Statistics
Trace
Data
Graphics
Logging

Offline
Online
Sim.
>>
Logging

Write

Source	Message
System	01-0022 In current mode windows tim...
CAPL / .NET	LED ON STATE
CAPL / .NET	LED OFF STATE
CAPL / .NET	LED ON STATE

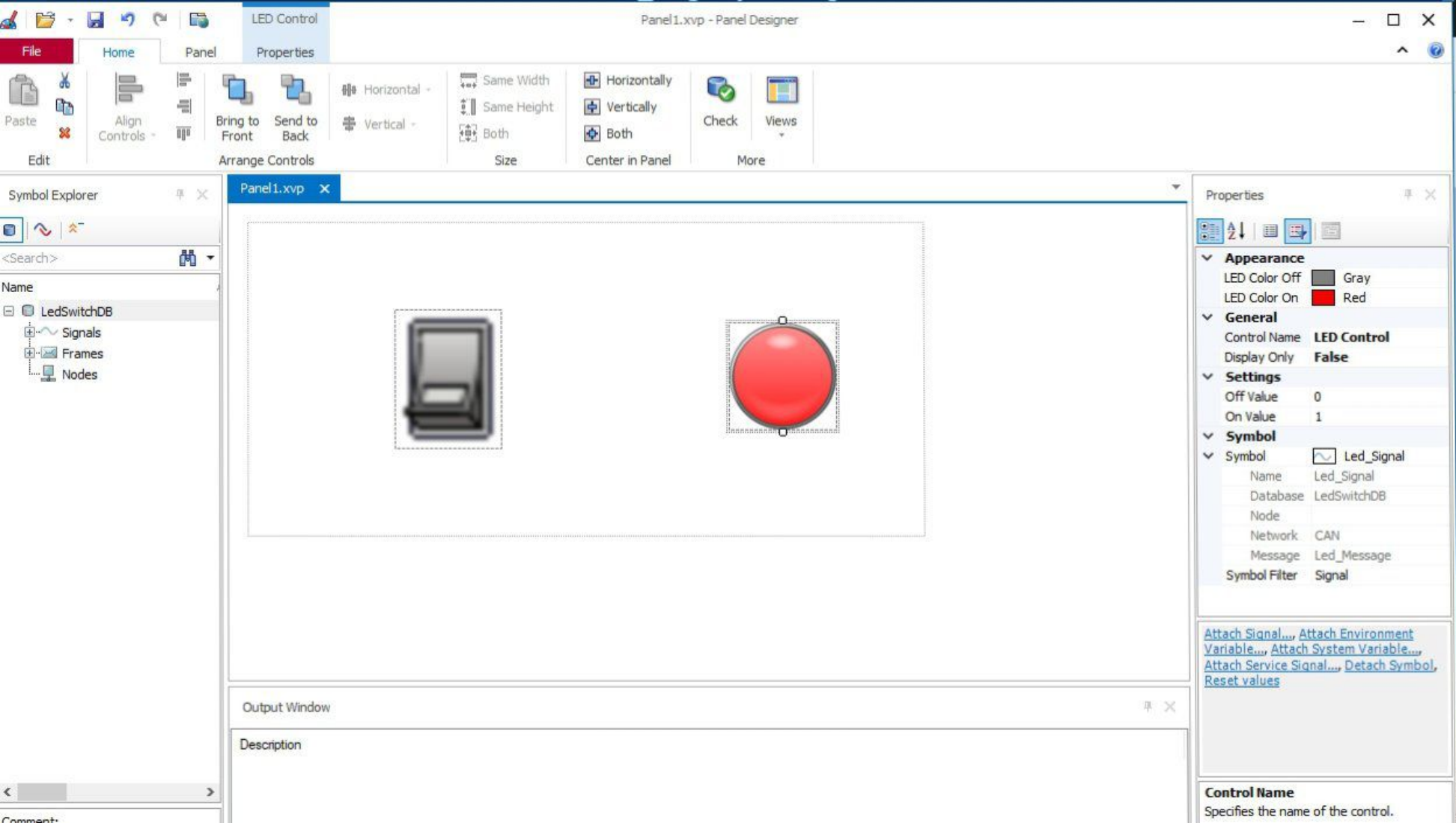
Overview | System | CAPL / .NET | Test

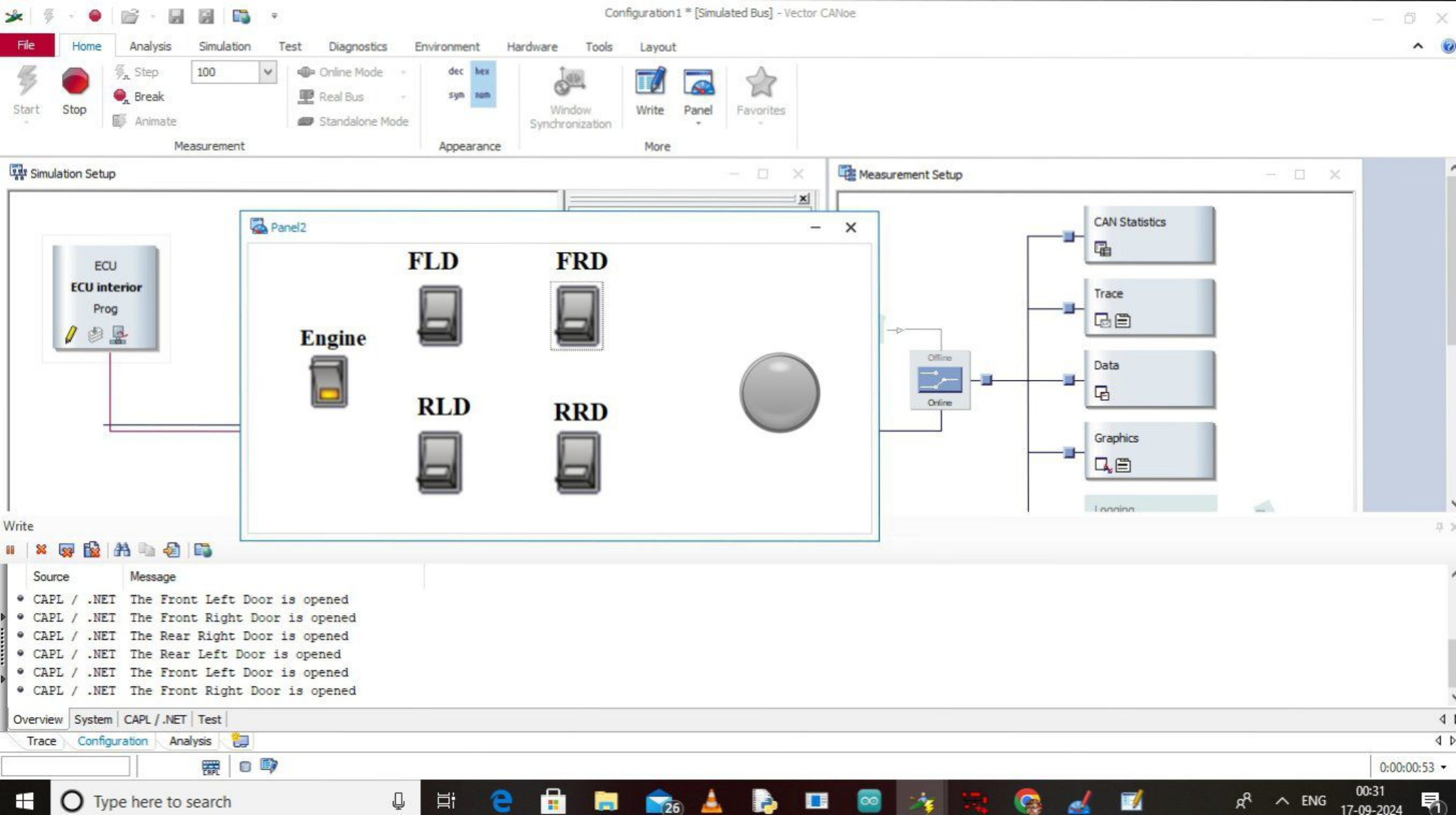
Trace | Configuration | Analysis

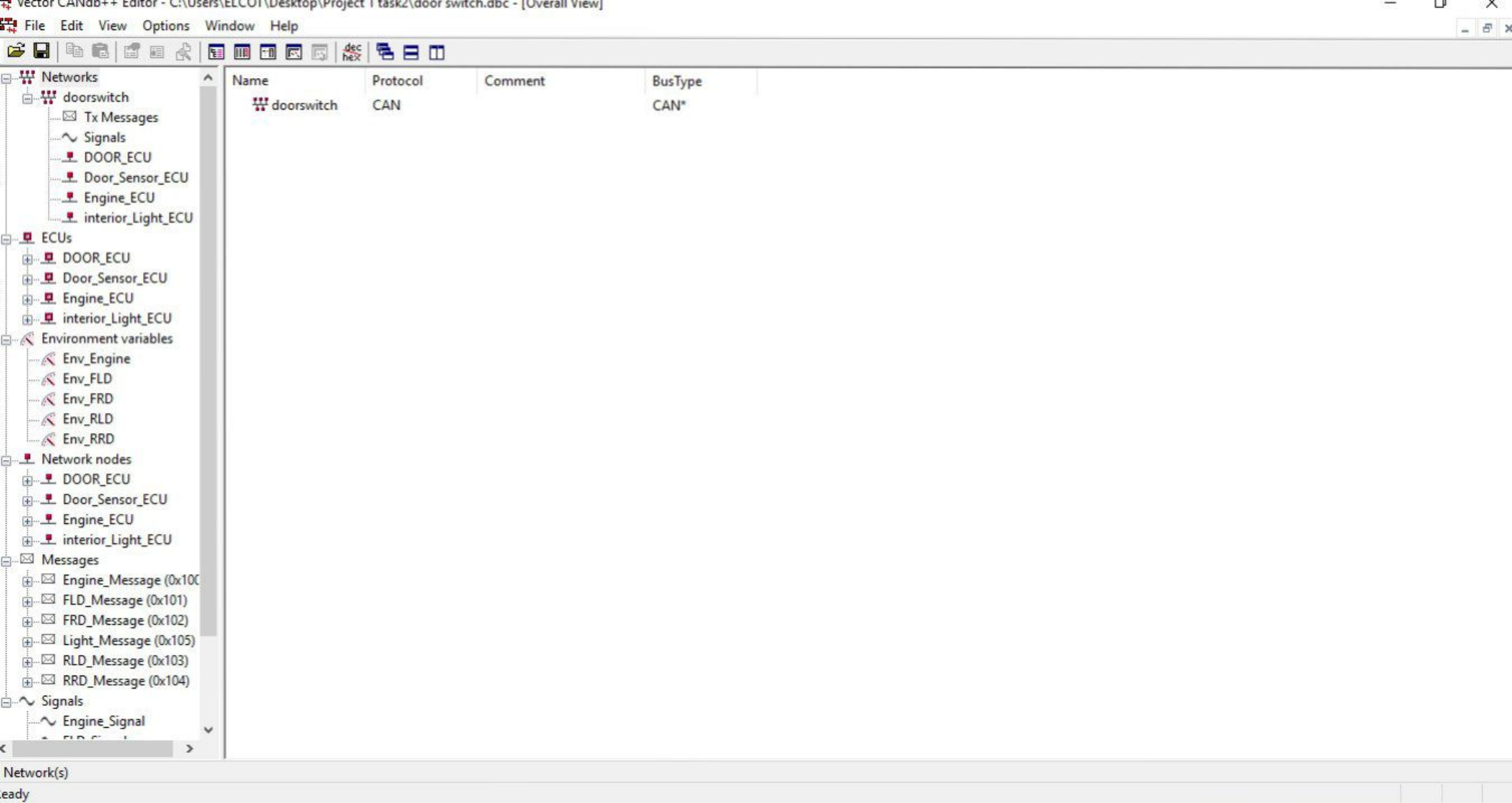
0:00:00:16

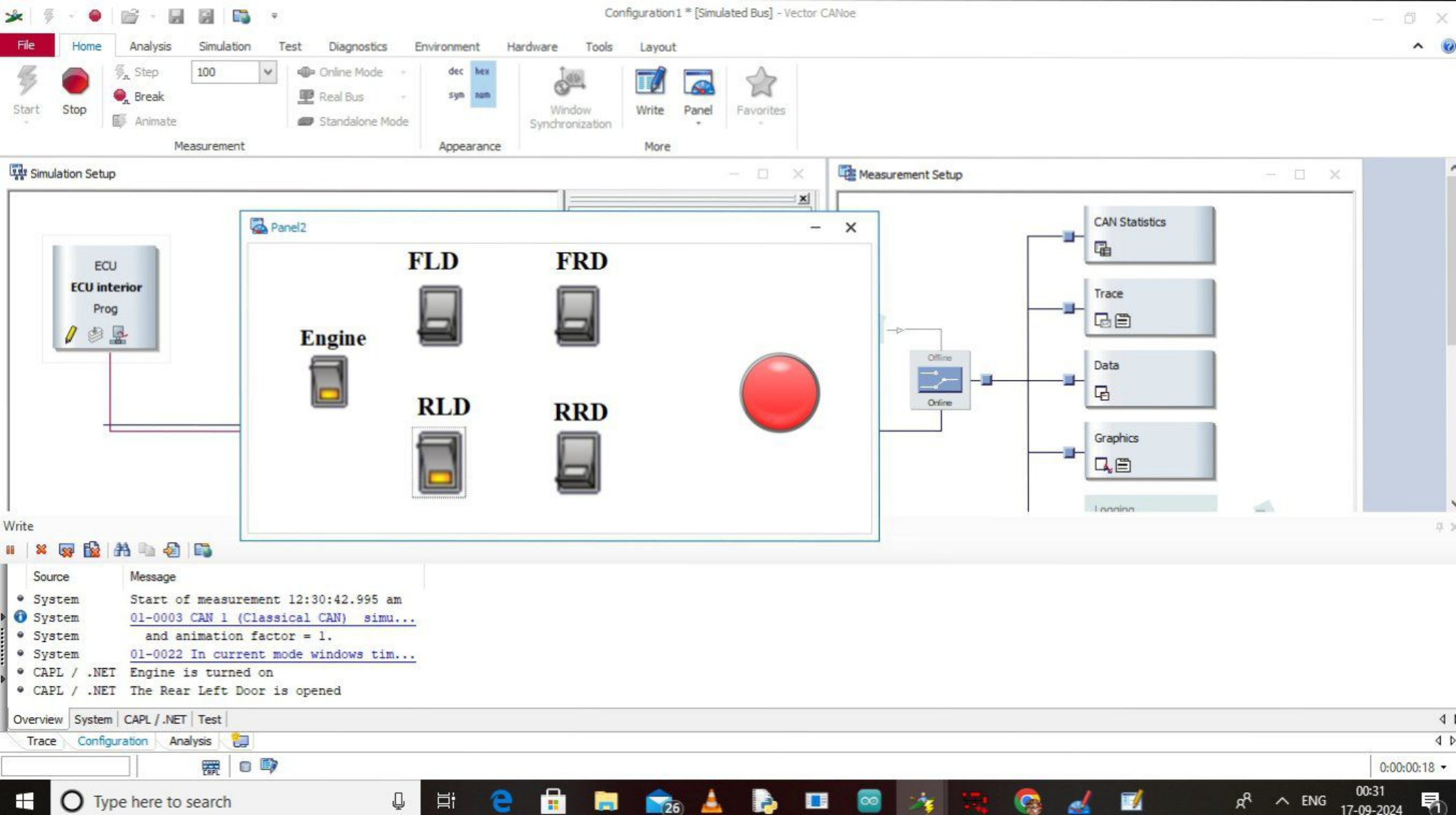
Type here to search

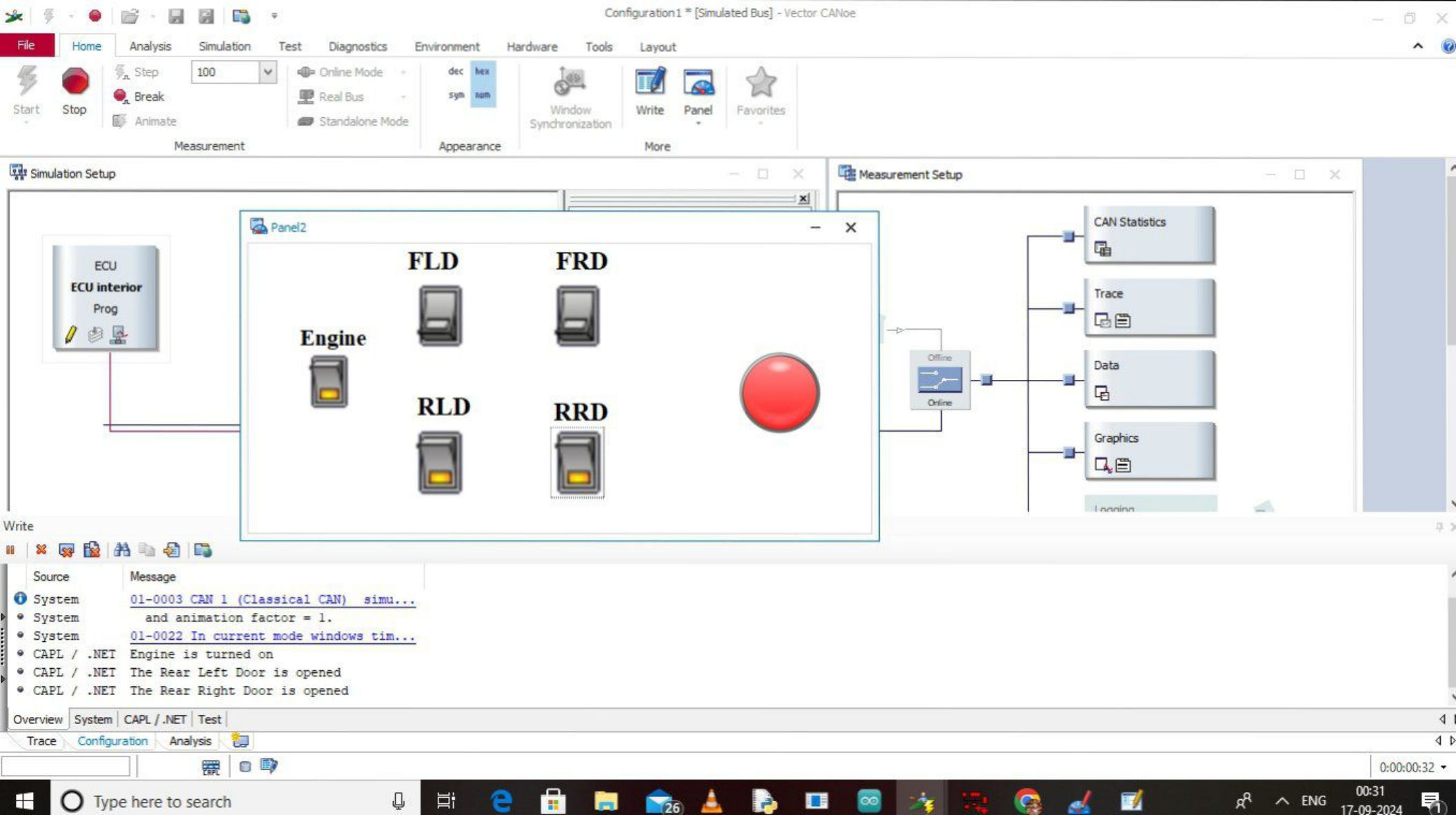
ENG 01:50 15-09-2024


LED Control
Panel1.xvp - Panel Designer
File
Home
Panel
Properties
Paste
Align Controls
Bring to Front
Send to Back
Horizontal
Vertical
Same Width
Same Height
Both
Horizontally
Vertically
Both
Check
Views
Edit
Arrange Controls
Size
Center in Panel
More
Symbol Explorer
<Search>
Name
LedSwitchDB
Signals
Frames
Nodes
Panel1.xvp
Output Window
Description
Properties
Appearance
LED Color Off
Gray
LED Color On
Red
General
Control Name
LED Control
Display Only
False
Settings
Off Value
0
On Value
1
Symbol
Symbol
Led_Signal
Name
Led_Signal
Database
LedSwitchDB
Node
Network
CAN
Message
Led_Message
Symbol Filter
Signal
Attach Signal..., Attach Environment Variable..., Attach System Variable..., Attach Service Signal..., Detach Symbol, Reset values
Control Name
Specifies the name of the control.


Configuration1 * [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
ECU
ECU interior
Prog
Panel2
FLD
FRD
Engine
RLD
RRD
Measurement Setup
CAN Statistics
Trace
Data
Graphics
Offline
Online
Write
Source
Message
CAPL / .NET The Front Left Door is opened
CAPL / .NET The Front Right Door is opened
CAPL / .NET The Rear Right Door is opened
CAPL / .NET The Rear Left Door is opened
CAPL / .NET The Front Left Door is opened
CAPL / .NET The Front Right Door is opened
Overview
System
CAPL / .NET
Test
Trace
Configuration
Analysis
0:00:00:53
Type here to search
ENG
00:31
17-09-2024


Vector CANdb++ Editor - C:\Users\ELCOT\Desktop\Project 1 task2\door switch.dbc - [Overall View]
File Edit View Options Window Help
Networks
doorswitch
Tx Messages
Signals
DOOR_ECU
Door_Sensor_ECU
Engine_ECU
interior_Light_ECU
ECUs
DOOR_ECU
Door_Sensor_ECU
Engine_ECU
interior_Light_ECU
Environment variables
Env_Engine
Env_FLD
Env_FRD
Env_RLD
Env_RRD
Network nodes
DOOR_ECU
Door_Sensor_ECU
Engine_ECU
interior_Light_ECU
Messages
Engine_Message (0x10
FLD_Message (0x101)
FRD_Message (0x102)
Light_Message (0x105)
RLD_Message (0x103)
RRD_Message (0x104)
Signals
Engine_Signal
Name
Protocol
Comment
BusType
doorswitch
CAN
CAN*
Network(s)
Ready


Configuration1 * [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
ECU
ECU interior
Prog
Panel2
FLD
FRD
Engine
RLD
RRD
Measurement Setup
CAN Statistics
Trace
Data
Graphics
Offline
Online
Write
Source
Message
System
Start of measurement 12:30:42.995 am
01-0003 CAN 1 (Classical CAN) simu...
and animation factor = 1.
01-0022 In current mode windows tim...
CAPL / .NET
Engine is turned on
The Rear Left Door is opened
Overview
System
CAPL / .NET
Test
Trace
Configuration
Analysis
0:00:00:18
Type here to search
ENG
00:31
17-09-2024


Configuration1 * [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
ECU
ECU interior
Prog
Panel2
FLD
FRD
Engine
RLD
RRD
Measurement Setup
CAN Statistics
Trace
Data
Graphics
Offline
Online
Write
Source
Message
System
01-0003 CAN 1 (Classical CAN) simu...
and animation factor = 1.
01-0022 In current mode windows tim...
CAPL / .NET
Engine is turned on
The Rear Left Door is opened
The Rear Right Door is opened
Overview
System
CAPL / .NET
Test
Trace
Configuration
Analysis
0:00:00:32
Type here to search
ENG
00:31
17-09-2024

Panel2.xvp - Panel Designer

LED Control

File | Home | Panel | Properties

Paste | Align Controls | Bring to Front | Send to Back | Horizontal | Vertical | Same Width | Same Height | Both | Horizontally | Vertically | Both | Check | Views

Edit | Arrange Controls | Size | Center in Panel | More

Symbol Explorer

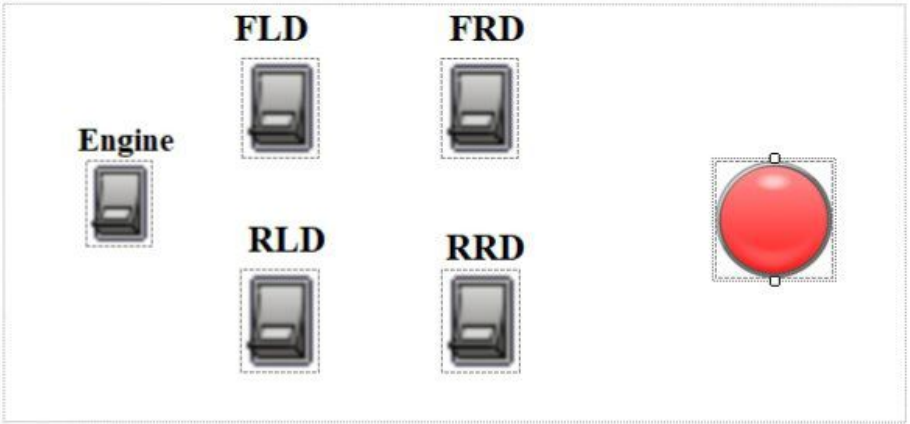
<Search>

Name

- doorswitch
  - Signals
  - Frames
  - Nodes

Comment:

Panel2.xvp



Output Window

Description

Properties

- Appearance
  - LED Color Off: Gray
  - LED Color On: Red
- General
- Layout
  - Location: 457, 101
  - Size: 76, 76
- Settings
  - Display Frame: True
  - Epsilon: 0
  - Is Proportiona: True
  - LED Style: Ellipse
  - Off Value: 0
  - On Value: 1
- Symbol
  - Symbol: Light_Signal
    - Name: Light_Signal
    - Database: doorswitch
    - Node

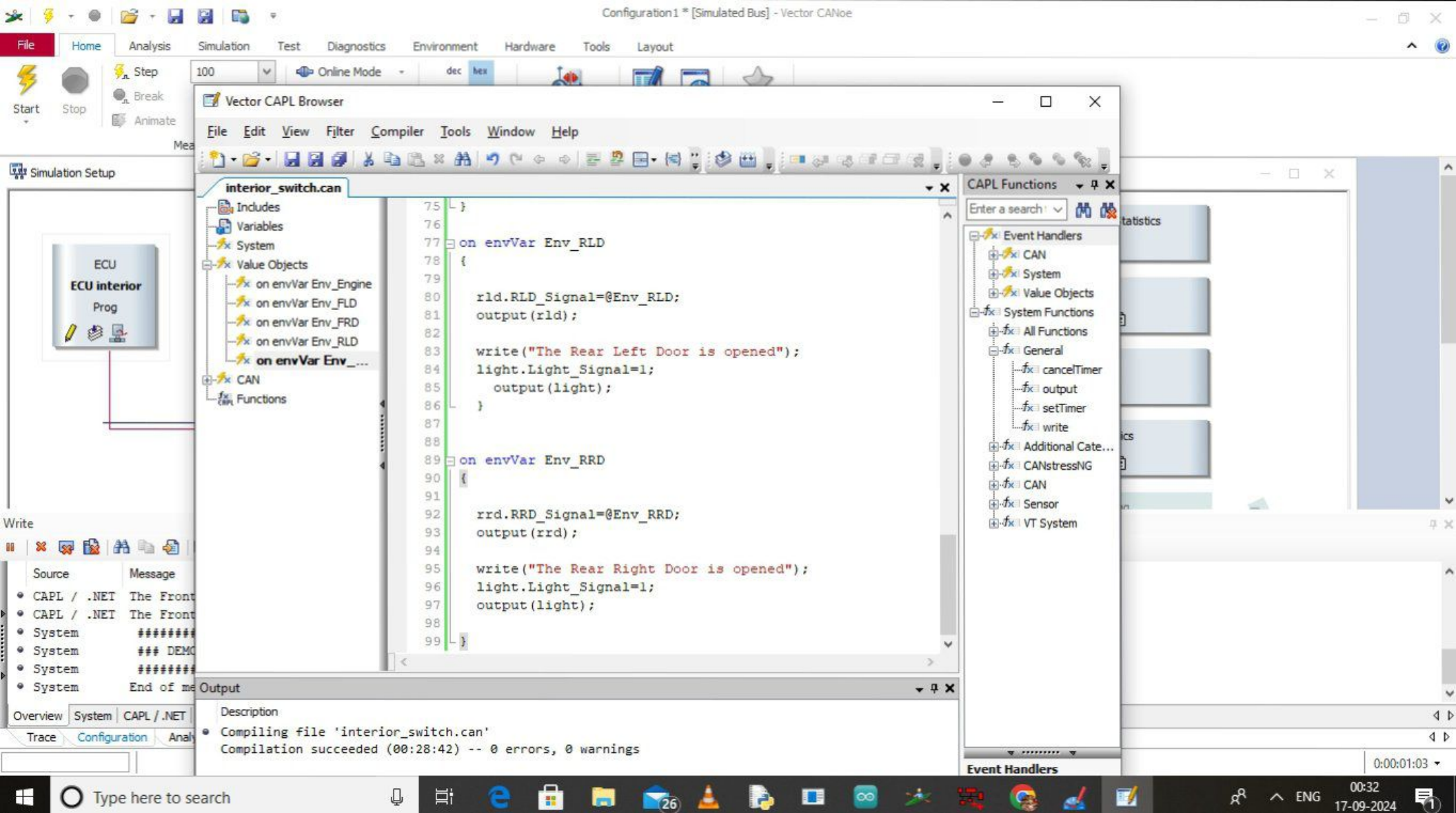
Attach Signal..., Attach Environment Variable..., Attach System Variable..., Attach Service Signal..., Detach Symbol, Reset values

Toolbox | Properties

LED Control | CAN::doorswitch::Light_Message::Light_Signal | C:\Users\ELCOT\Desktop\Project 1 task2\Panel2.xvp

Type here to search

ENG 00:32 17-09-2024


Configuration1 * [Simulated Bus] - Vector CANoe
File Home Analysis Simulation Test Diagnostics Environment Hardware Tools Layout
Start Stop Step Break Animate
100 Online Mode
Vector CAPL Browser
File Edit View Filter Compiler Tools Window Help
interior_switch.can
Includes
Variables
System
Value Objects
on envVar Env_Engine
on envVar Env_FLD
on envVar Env_FRD
on envVar Env_RLD
on envVar Env_...
CAN
Functions
75 }
76
77 on envVar Env_RLD
78 {
79
80 rld.RLD_Signal=@Env_RLD;
81 output(rld);
82
83 write("The Rear Left Door is opened");
84 light.Light_Signal=1;
85 output(light);
86 }
87
88
89 on envVar Env_RRD
90 {
91
92 rrd.RRD_Signal=@Env_RRD;
93 output(rrd);
94
95 write("The Rear Right Door is opened");
96 light.Light_Signal=1;
97 output(light);
98
99 }
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
Compiling file 'interior_switch.can'
Compilation succeeded (00:28:42) -- 0 errors, 0 warnings
Simulation Setup
ECU
ECU interior
Prog
Write
Source
Message
CAPL / .NET
System
Overview
System
CAPL / .NET
Trace
Configuration
Type here to search
ENG
00:32
17-09-2024