ECU-TEST makes automation easy

With ECU-TEST you can intuitively create test cases for automotive software in every development phase and run them automatically – even without any prior knowledge of test automation and programming. We have designed the tool in such a way that the test quality is kept exceptionally high at all levels, although the effort it takes to use it is extremely low.

Key features at a glance

- Supports a broad range of test tools and test environments (MiL/SiL/PiL/HiL/vehicle)
- Uniform and effective automation of the entire test environment
- Smooth collaboration through Diff and SCM integration (Git, SVN)
- Automation of distributed test environments
- Intuitive graphical user interface
- Generic test-case description

Integrated trace analysis module (see TRACE-CHECK data sheet):
- Easy analysis specification via
  - Triggered analyses
  - Timing diagrams
  - Python interface
- Support for all common recording formats
- High reusability of analyses
- Clear presentation of results
- Transition to the interactive SignalViewer
- Plots enriched with result data

Supported trace formats

Signal-based trace formats:
- AS3TRACE (TraceTronic)
- CSV
- MAT: MATLAB/Simulink, ControlDesk
- MDF 3.0/3.1/3.2/3.3/4.0/4.1
- RDB: VTD
- STI, STZ 2.0.1/2.1/2.2, ASAM XiL-API
- TDMS: National Instruments

Buslogging:
- TTL (TTTech)
- ASC (Vector)
- BLF (Vector)
- MDF 4.0/4.1

Ethernet
- PCAP (TraceTronic, Wireshark)
- BLF (Vector)
- DLT

Middleware/Cosimulation
- ADTF2
- eCAL 5.0/5.1
- AS3TRACE (FEP)
ADAS
• ERD (CarSim)
• ERG (CarMaker)
• RDB

Multimedia
• Audio: FLAY, WAV
• Video: AVI, MP4, MKV, MTS

Other formats supported on request.

Supported hard- and software

• AKKA: Gigabox
• ASAM: ACI
• ASAM: XIL
• ASAP: STEP
• ATI: VISION
• AVL: LYNX
• AVL: PUMA
• Beckhoff: TwinCAT
• Digitalwerk: ADTF
• dSPACE: ControlDesk
• dSPACE: ModelDesk
• dSPACE: MotionDesk
• EA: UTA 12
• ESI: SimulationX
• ETAS: BOA
• ETAS: INCA
• ETAS: LABCAR
• ETAS: LABCAR-PINCONTROL
• FEP
• FEV: Morphée
• HMS: ACT - Restbusimulation
• HMS: Bus interfaces
• IPG: CarMaker
• JS Foundation: Appium
• KS Engineers: Tornado
• Lauterbach: TRACE32
• MAGNA: BluePiraT
• Mathworks: MATLAB® & Simulink
• Mechanical Simulation Corporation: CarSim
• MicroNova: NovaSim
• NI: LabVIEW
• NI: VeriStand
• NI: VISA
• Opal-RT: RT-LAB
• PEAK: PCAN
• PLS: UDE
• QUANCOM: QLIB
• RA Consulting: DiagRA D
• SAE: PassThru
• Scienlab: CDS
• Scienlab: ESD
• Softing: CAN L2 API
• Softing: DTS
• Softing: EDIABAS#
• Speedgoat: Simulink RT
• Synopsys: Silver
• Synopsys: Virtualizer
• The GNU Project: GDB
• TraceTronic: cTestBed
• TraceTronic: Ethernet
• TraceTronic: Multimedia
• TraceTronic: RemoteCommand
• TraceTronic: Serial interface
• TraceTronic: SSH
• TTech: TTXConnexion
• Vector: CANalyzer
• Vector: CANape
• Vector: CANoe
• Vector: XL API
• ViGEM: CCA
• Vibes: VTD
• VW: ODIS
• X2E: Xoraya

Test Management Tools
• Broadcom Rally Software
• Micro Focus ALM / HP Quality Center
• Micro Focus Octane
• IBM RQM
• PTC Integrity LifeCycle Manager
• SIEMENS Polarion ALM
• Test42

Source Code Management Tools
• Apache Subversion
• Git

On request we will gladly realize the linkage of your specific hardware or software.

System requirements

• OS: Windows 10, 64 bit
• Free hard disk capacity: at least 3 GB
• RAM: at least 2 GB
• Screen resolution: at least 1200 x 800 pixel