DaVinci Developer

User-Friendly Design of AUTOSAR Software Components

What is DaVinci Developer?

DaVinci Developer is a tool for designing the architecture of software components (SWCs) for AUTOSAR ECUs.
This tool lets you create a graphic design of the interfaces, define the internal behavior with runnable entities and link the SWCs to one another.

Highlights of Version 4.3

Improved Usability of Project Merge Function
> Flexibility to make merge decision for individual SwConnectors

Simplified Detection of Errors in the DPA Project
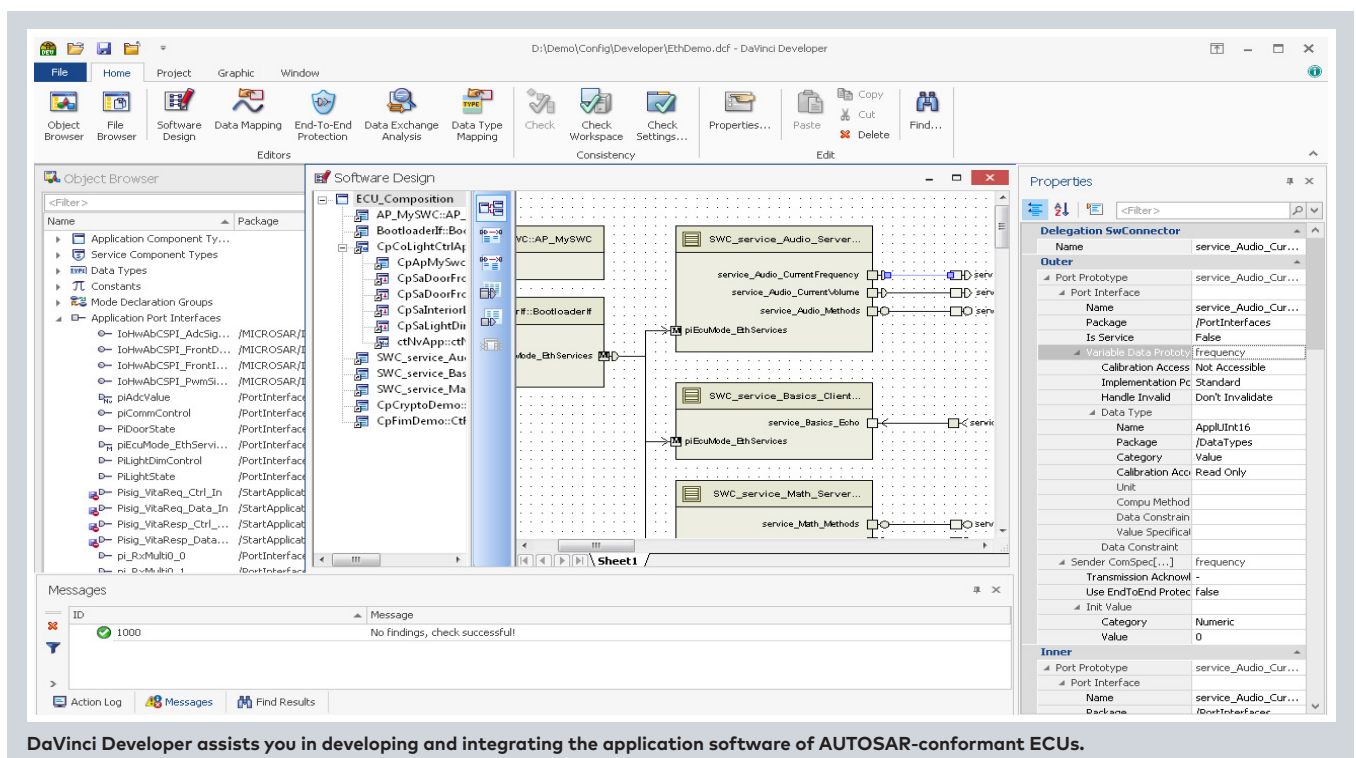> Improved reporting of missing files during project load

Overview of Advantages

User-friendly and Easy Design of AUTOSAR SWCs
> Numerous graphic editing functions
> Check the SWCs for AUTOSAR conformity
> Link model-based development tools via ARXML

Options

Option CPG: Contract Phase Generation
This option lets you generate the header file and the implementation template file for C-based applications easily and quickly from the DaVinci Developer tool.

DaVinci Developer assists you in developing and integrating the application software of AUTOSAR-conformant ECUs.

Special Functions
Project Update
> Special import functions for updating the SWC architecture after a change has been made to the input data given by the OEM

Auto Mapping
> Automatically generate connectors between SWCs
> Automatically generate data mapping between SWCs and network signals
> Name-based search algorithm designed for typical OEM naming rules

Data Exchange Analysis
> Representation of data exchange in the ECU by analysis of the SWC architecture
> Detailed analysis of communication relationships on the level of individual data elements and network signals

Organization of AUTOSAR Files via DCF Libraries
> Shared ARXML files can be moved to DCF libraries
> Include mechanism for write-protected loading of DCF libraries

Vector AUTOSAR Solution
You can obtain many AUTOSAR products from Vector for the entire development process – from design to functional development, basic software and integration as well as for testing and calibration.

More Information: www.vector.com/davincideveloper

Circular model of typical AUTOSAR projects. DaVinci Developer is used in the phase of "application software development".

System Design · System Verification · Application Software Development · Application Software Verification · ECU Software Integration · ECU Software Verification