



Product News

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IAR Embedded Workbench integrates the NXP S32 Design Studio for automotive and ultra-reliable designs

Uppsala, Sweden—April 26, 2016—IAR Systems® announces that the world's most widely used embedded development toolchain IAR Embedded Workbench® for ARM® is now integrated with the S32 Design Studio IDE from NXP Semiconductors. The integration enables the powerful build chain of IAR Embedded Workbench to be used to build code generated in the S32 Design Studio IDE.

The S32 Design Studio IDE is an integrated development environment for NXP's automotive and ultra-reliable MCUs. In addition to functionality such as pin configurator, bootloader and motor control toolbox, it provides AUTOSAR Microcontroller Abstraction Layer (MCAL) support and AUTOSAR OS for the S32K product line tailored for automotive applications.

By letting S32 Design Studio generate a project connection with IAR Embedded Workbench, the highly optimizing IAR C/C++ Compiler™ and the extensive C-SPY® Debugger can be used to develop the application. Adding a project connection will automatically include the generated code to the IAR Embedded Workbench project. If those files are changed from S32 Design Studio, they will be updated automatically in IAR Embedded Workbench. Thanks to an integration of the build chain of IAR Embedded Workbench into the Eclipse-based S32 Design Studio, developers can also opt to continue development within the S32 Design Studio while utilizing the IAR C/C++ Compiler.

"The easy migration between IAR Embedded Workbench and S32 Design Studio enables developers to gain efficiency through all stages of their development process," says Manuel Alves, Global Product Line Manager, NXP Semiconductors. "This powerful toolchain also lets them reach the highest level of performance and quality in their designs."

"This integration will further drive the development of automotive software," says Anders Lundgren, Product Manager, IAR Systems. "The S32 Design Studio provides a comprehensive environment that saves time and helps start application development quickly. By using it together with the powerful development toolchain IAR Embedded Workbench, developers will be able to maximize the performance of their applications."

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The complete C/C++ compiler and debugger toolchain IAR Embedded Workbench for ARM features comprehensive debugging possibilities and smart integrated profiling tools and is available with build chain certification according to the automotive functional safety standard ISO 26262. In addition, IAR Systems offers fully integrated static and runtime analysis tools for complete code control. More information is available at www.iar.com/iar-embedded-workbench/tools-for-arm.

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***Editor's Note:** IAR Systems, IAR Embedded Workbench, IAR Connect, C-SPY, C-RUN, C-STAT, visualSTATE, IAR KickStart Kit, IAR Experiment!, I-jet, I-jet Trace, I-scope, IAR Academy, IAR, and the logotype of IAR Systems are trademarks or registered trademarks owned by IAR Systems AB. All other products names are trademarks of their respective owners.*

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About IAR Systems

IAR Systems provides developers of embedded systems with world-leading software tools for developing competitive products based on 8-, 16-, and 32-bit processors. Established in Sweden in 1983, the company has over 46,000 customers globally, mainly in the areas of industrial automation, medical devices, consumer electronics, telecommunication, and automotive products. IAR Systems has an extensive network of partners and cooperates with the world's leading semiconductor vendors. IAR Systems Group AB is listed on NASDAQ OMX Stockholm. For more information, please visit www.iar.com.