



RistanCASE GmbH announces **ARM DS I.2 support** in "Development Assistant for C"

Development Assistant for C (DAC) is an Integrated Development Environment (IDE) which supports the development and maintenance of embedded software in C and Assembler language.

The most important DAC features are: Editor with Code Structure Highlighting, Flow Chart, Symbol-Browser, Call-Hierarchy and Data Flow Graph, Type-Hierarchy Graph, Static Code Analysis (Design Lint, Software Metrics, MISRA C, Symbol Name Check), Makefile and Documentation Generator.

Project Manager

The Project Manager manages project files and organizes them in logical groups.

Editor

The Editor offers a large number of separate features, but is at the same time linked with all other features, which makes it even more powerful. We try to make the Editor keep up with the latest trends in the world of editors, to provide standard editor features, which have come to the fore over a long span of years, but also to offer some non-standard functionalities. Code Structure Highlighting is a special source code display in the Editor in which program structures are highlighted using colors and frames. In this way, the impression that a structured flow chart is displayed in the Editor is created.

Flow Chart

The Flow Chart has the ability to analyze the source code and display a structured or non-structured Flow Chart as the graphical-logical presentation of the edited function.

Browser

The Browser gives answers to simple, but common questions, such as: Where is this function declared? Where is it used? Where are assignments to this variable carried out? Which are all the types defined in the project?

Call-Hierarchy and Data Flow Graph

The Call-Hierarchy and Data Flow Graph provides an overview of the function-data relation in the program. On the one hand, they can be used to display software system design and as such enhance software understanding and represent a valuable resource for software review and documentation.





Type-Hierarchy Graph

The Type-Hierarchy Graph enables you to distinguish relations in the often-tangled web of data on project.

Software Metrics

The Software Metrics identify and measure the key parameters which affect software development. DAC offers a solution which combines the usefulness of using software metrics and the facility of working in an integrated environment.

User-Defined Actions

User-Defined Actions provide DAC with two important possibilities: cooperation and adaptability. In the project, you can define several of your own actions, which will call ADS tools (Compiler, Linker).

Command Shell

The Command Shell provides you with an overview of the output of character-mode applications started from DAC.

Message Window

The Message window is the place where you can simply check the errors DAC has come up with by analyzing the project, creating documentation, or which the ADS compiler called via UDA has reported.

Makefile Generator

The Makefile Generator simplifies a tedious but necessary job, which consists of the creative part - selecting and configuring tools which are necessary for the software build process, and the formal part - specifying files which need to be built together with their dependencies.

Documentation Generator

The Documentation Generator synchronizes the development process with the software documentation process. The basic idea behind the documentation generator is to write documentation templates and generate actual documents.

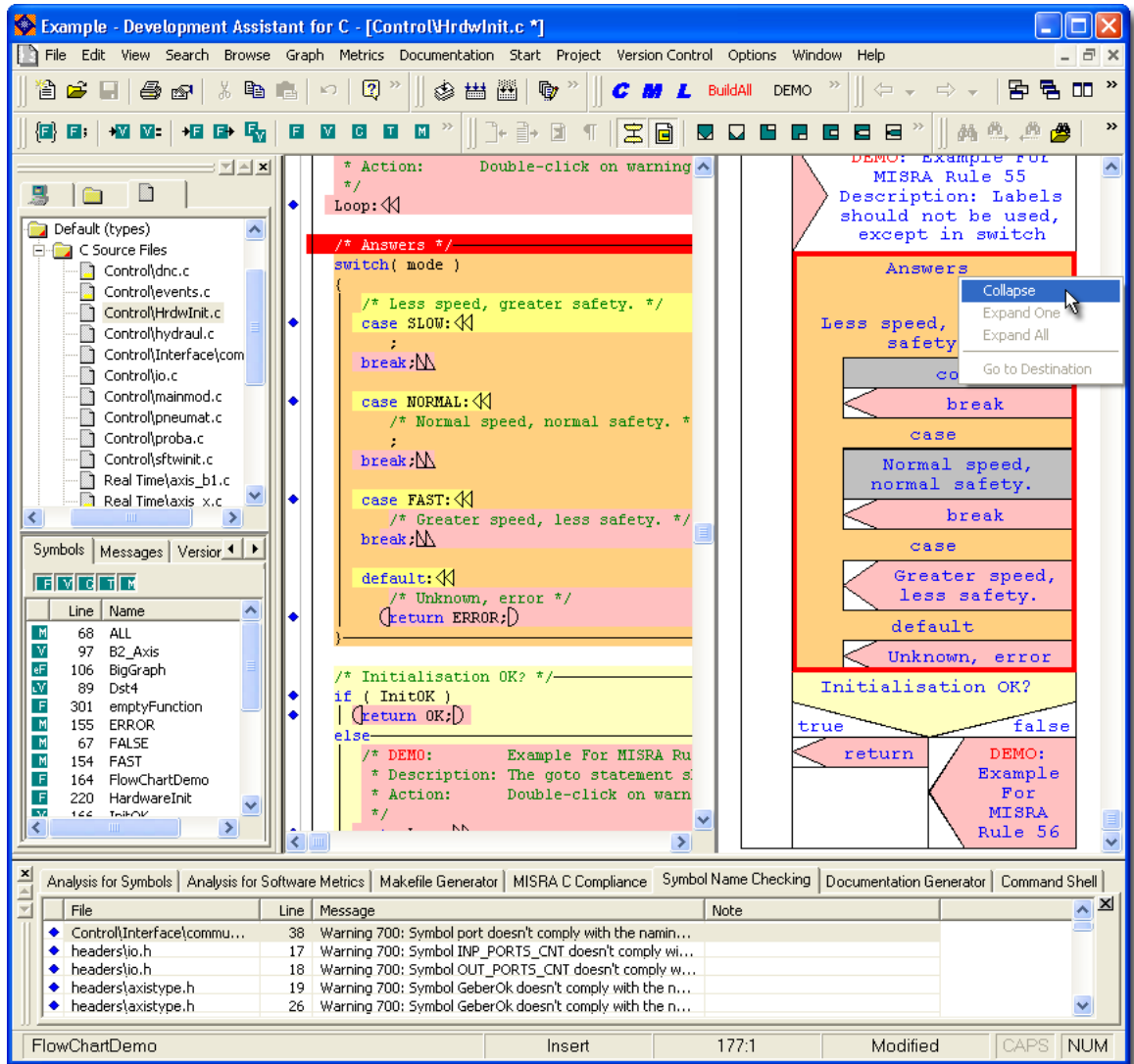
Symbol Name Check

The Symbol Name Check gives you the possibility to bring in certain conventions relating to the naming of user-defined symbols, and to check whether the names you have defined in the project correspond to the conventions assigned.





The DAC plug-in system allows support for debuggers, version control systems, and projects import from IDEs'.



About RistanCASE GmbH

RistanCASE was founded in 1994 and their product "Development Assistant for C," due to its high degree of innovation, is one of the most popular development tools for micro controller applications. At present it supports about ninety ANSI C and Assembler dialects for embedded systems.

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