

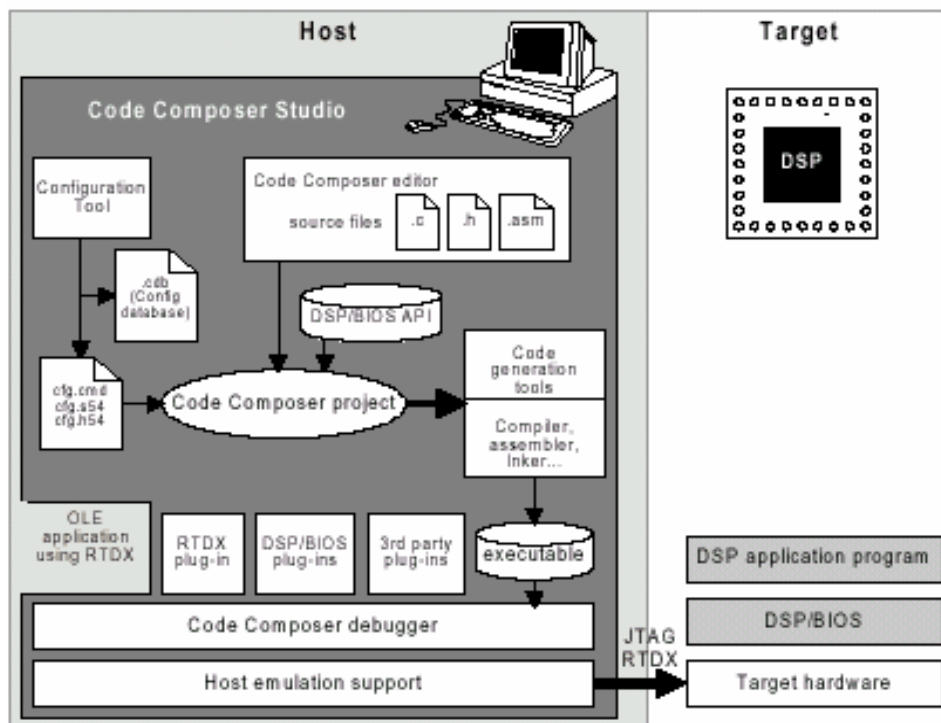
Code Composer Studio

The Code Composer Studio Integrated Development Environment (IDE) is designed to allow you to edit, build, and debug DSP target programs.

Code Composer Studio allows you to edit C and assembly source code. You can also view C source code with the corresponding assembly instructions.

Code Composer Studio includes:

- Integrated Development Environment (IDE): debugger, editor, visualization, profiler and project manager
- The editor is specifically tuned for writing C and DSP assembly, this allows developers to work more efficiently since they don't have to switch applications to edit their code.
- Multilevel debugging allows you debug both C and Assembly language code.
- Probe Points
- File I/O
- Comprehensive data Visualization displays
- GEL C-based scripting language



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CODE COMPOSER STUDIO HAVING FOLLOWING TOOLS:

The **C compiler** accepts C source code and produces assembly

The **assembler** translates assembly language source files into machine language object files. The machine language is based on common object file format (COFF).

The **linker** combines object files into a single executable object module.

The **archiver** allows you to collect a group of files into a single archive file, called a library.

The mnemonic-to-algebraic **assembly translator utility** converts mnemonic instructions into an assembly language source file containing algebraic instructions.

You can use the **library-build utility** to build your own customized run-time-support library.

The **run-time-support libraries** contain ANSI standard run-time-support functions, compiler-utility functions, floating-point arithmetic functions,

The **hex conversion utility** converts a COFF object file into TI-Tagged, ASCII-hex, Intel, Motorola-S, or Tektronix object format.

Features of Code Composer Version

- Integrated Development Environment with Leading Edge GUI
- Debug ide
- Compiler/Assembler/linker
- Simulator
- Advanced watch Windows
- Tightly integrated Editor
- File i/o / probe Points and Graphical Algorithm Scope Probes
- Advanced graphical Signal Analysis
- Interactive Profiling
- Automated testing and Customization via Scripting
- Visual project Management System
- Compile in the Background While Editing and Debugging
- Multi-processor Debugging
- Help on the target DSP
- Platforms supported

KEY BENEFITS OF CODE COMPOSER STUDIO

- User Friendly
- Integrated Development Environment (IDE)
- Coding Flexibility Usage Of C, Assembly And Combination Of Both
- Powerfull Software Tool
- Code Composer Studio provides full coverage from initial system configuration to field-level testing with real-time analysis to powerful visualization tools that assist in identifying problems and optimizing performance.

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