

What real users say about:

Understand
Source Code Analysis & Metrics

Understand is one of the few tool software development tools that actually lives up to its marketing. There's no way I would (or could!) tackle a legacy code base without it. And **SciTools'** tech support is among the best in the industry-responsive and knowledgeable.

-- Marc Criley, Cohesion Force, Inc.

I know of no other tool that provides as such well-organized and accessible browsing information about my program. For code archeology work, I have abandoned my "big" programming editor in favor of **Understand**, because it does the job better and faster. The new editor with better text coloring, hover tool tips, line collapsing, etc. is a big improvement. The 'Info Browser' alone is a premier feature and justification for ownership.

-- Dave Kellogg, CSDP, Software Engineer
The Raymond Corporation

Understand is a "Code Scene Investigation" tool. Any piece of code I get, I want to put it through **Understand**. It gives me a new perspective which helps me a lot. The support is prompt and awesome – that makes it an even more remarkable experience. In addition, the tool is only getting better with the regular builds. I have used it extensively in embedded space as well as the Windows code space.

-- Abhijit Rao, O'Neil Product Development Inc

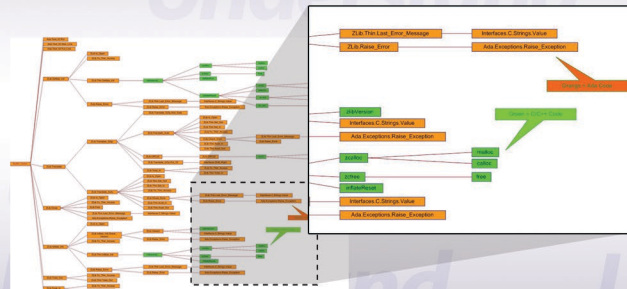
Information Browser

The Information Browser (IB) is used to quickly see project specific information for all types of entities in **Understand**, including uses, calls, basic metrics, and everywhere an entity is used, called, modified or interacted with.



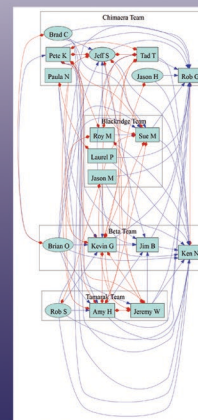
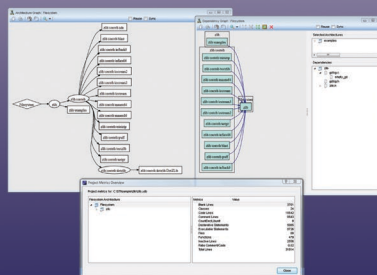
Combined Language Analysis

Analyze code bases written in multiple languages
Trace calls from one language to another



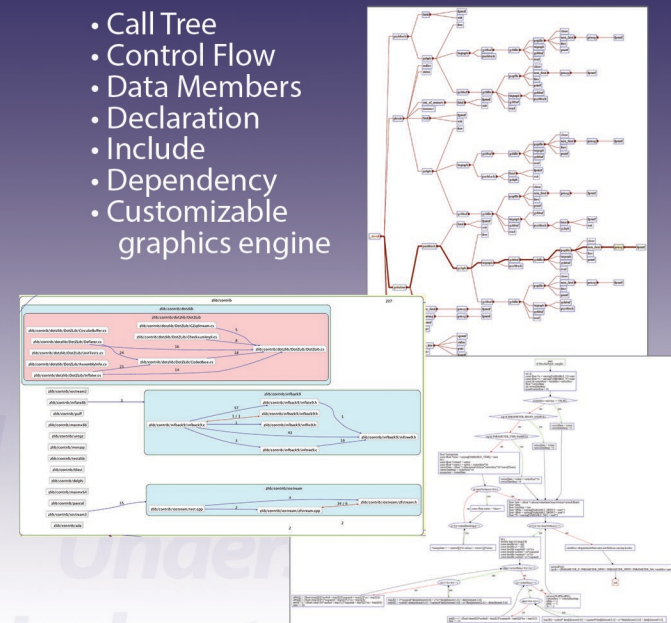
Customizable Architectures

- Create abstract hierarchies
- Analyze code from a higher level
- Map code in logical groupings



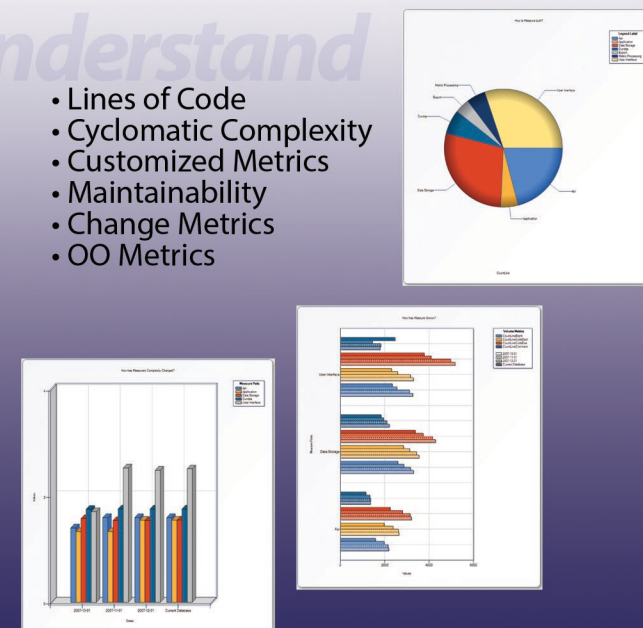
Graphical Reports

- Call Tree
- Control Flow
- Data Members
- Declaration
- Include
- Dependency
- Customizable graphics engine



Metrics Reports

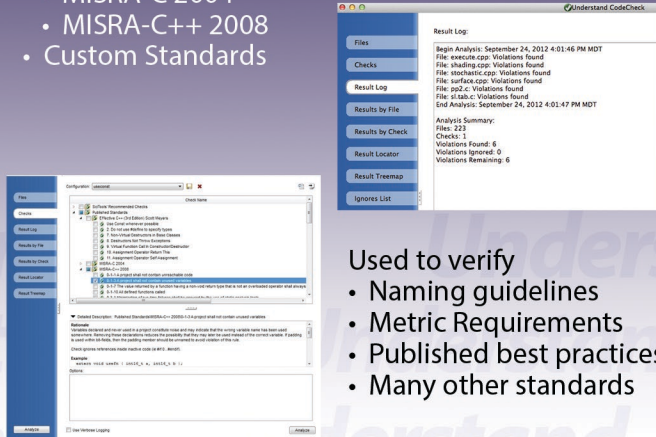
- Lines of Code
- Cyclomatic Complexity
- Customized Metrics
- Maintainability
- Change Metrics
- OO Metrics



Codecheck

Check your code using:

- Published Standards from
 - Effective C++
 - (3rd Edition) Scott Meyers
 - MISRA-C 2004
 - MISRA-C++ 2008
- Custom Standards



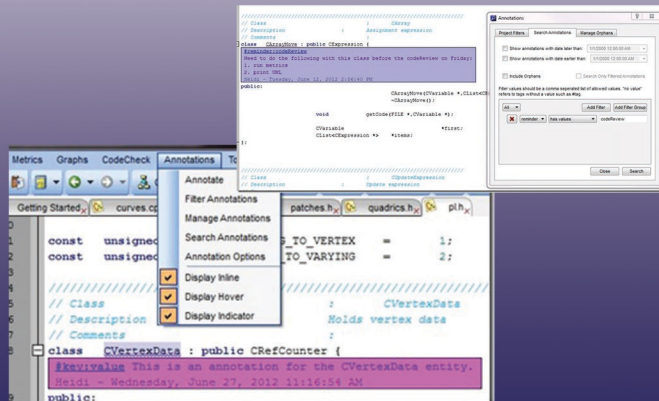
Used to verify

- Naming guidelines
- Metric Requirements
- Published best practices
- Many other standards

Annotations

Add notes or comments to code files without changing the source code directly.

Tag notes with key value pairs to organize data and quickly search exactly what you are looking for.



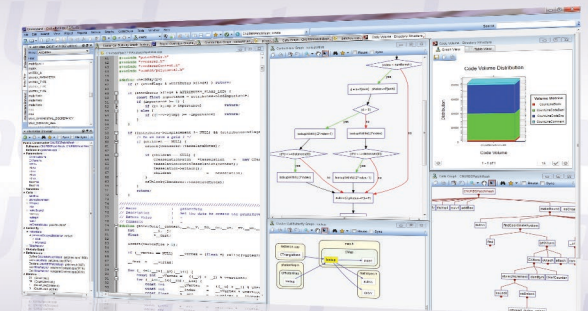
Understand 3.0

The best tool for:



- Maintaining **your** code
- Reverse Engineering
- Code Knowledge
- Static Analysis
- Metrics

Source Code Analysis & Metrics



Language Support

C, C++, C#, Objective C, Ada, Java,
Delphi/Pascal, Cobol, JOVIAL, VHDL,
FORTRAN, PL/M, Python, PHP, HTML,
CSS, Javascript, XML

www.scitools.com

SciTools
Maintain your Software