

Features

- Detection of memory corruption on heap and stack
- Detection of uninitialized variables, pointers, and objects
- Detection of memory leaks and other memory allocation/free errors
- STL checking** for proper usage of STL containers and related memory errors
- Compile-time checks for type- and size-related errors
- Runtime tracing of function calls
- GUI and command line interface
- Memory error checking in 3rd party static and dynamic libraries
- Direct interfaces with Visual Studio debugger

Benefits

- Finds memory errors before they become runtime problems
- Finds common errors during 64 bit porting
- Helps optimize memory usage of applications
- Reduces development and support costs
- Easily integrates with regression test suites in "smoke alarm" mode
- Provides detailed stack traces of errors to help understand their causes

TCA Test Coverage

- Calculates line and block coverage
- Reports line, block, class, function, and file coverage
- Text reports and interactive code browser with coverage highlighting

Inuse Memory Monitor

- Visualizes memory leaks
- Displays memory use in real time
- Helps correlate memory usage with program events

** Available for any Unix users with GCC 3.0 and above.

Parasoft® Inuse® and Parasoft® TCA®

Along with the runtime memory error detection engine, Inuse++ includes two components that increase the tool's scope of analysis:

- TCA (provides total coverage analysis)
- Inuse (provides application memory usage analysis)

TCA analyzes and reports block code coverage and lets you get "beneath the hood" of your program to see which parts are actually tested and how often each block is executed. In conjunction with a runtime error detection tool like Inuse++ and a comprehensive test suite, this can dramatically improve the efficiency of your testing and promote faster delivery of more reliable programs.

Inuse visualizes how an application uses memory. This component provides a graphical view of all memory allocations, over time, with specific visibility into overall heap usage, block allocations, possible outstanding leaks, and so on. By providing insight into an application's memory usage patterns, Inuse allows you to effectively analyze and optimize runtime memory usage and performance.

* Parasoft holds patents #5,581,696 and #6,085,029 for its source instrumentation algorithms.

Supported Platforms

Microsoft Windows 2000/XP/2003 32-bit (Inuse++ works as a plug-in for Visual C++)

- Microsoft Visual C++ 6.0
- Microsoft Visual C++ .NET
- Microsoft Visual C++ .NET 2003
- Microsoft Visual C++ 2005
- Microsoft Visual C++ 2008

Microsoft Windows Vista/Windows 7 32- and 64-bit

Microsoft Windows XP/2003 64-bit

- Microsoft Visual C++ 2005 with SP1
- Microsoft Visual C++ 2008

Linux for x86 Processors 32-bits (all distributions)

- GNU gcc/g++ 2.95.x, 3.2 - 4.5
- Intel ICC 8.1, 9.0, 9.1, 10.0, 10.1, 11.0

Linux for AMD64 and Intel EM64T 64-bits (all distributions)

- GNU gcc/g++ 3.2.x - 4.5
- Intel ICC 8.1, 9.0, 9.1, 10.0, 10.1, 11.0

IBM AIX 5.1, 5.2, 5.3, 6.1, PowerPC Processor 32 and 64 bits

- IBM VisualAge v5
- IBM VisualAge (xIC) v6, v7, v8
- GNU gcc/g++ 2.95.x, 3.2.x, 3.3.x, 3.4.x, 4.0.x, 4.1.x, 4.2.0, 4.2.1

Solaris 8, 9, 10 UltraSparc Processor

- Forte Developer 6 Update 2 (6.2) / Sun CC 5.3
- Sun ONE Studio 7 / Sun CC 5.4
- Sun ONE Studio 8 / Sun CC 5.5
- Sun Studio 9 / Sun CC 5.6
- Sun Studio 10 / Sun CC 5.7
- Sun Studio 11 / Sun CC 5.8
- Sun Studio 12 / Sun CC 5.9
- GNU gcc/g++ 2.95 - 4.2

HP-UX 11 for PA-RISC 32- and 64-bits

- aCC/aC++ version A.03.26 and above
- GNU gcc/g++ 2.95 - 4.2

www.parasoft.com

Contact info:

Parasoft Corporation, 101 E. Huntington Dr., 2nd Flr., Monrovia, CA 91016

Ph: (888) 305.0041, Fax: (626) 256.6884, Email: info@parasoft.com