

Visual Lint

Integrated C++ code analysis for Microsoft Visual Studio and eMbedded Visual C++

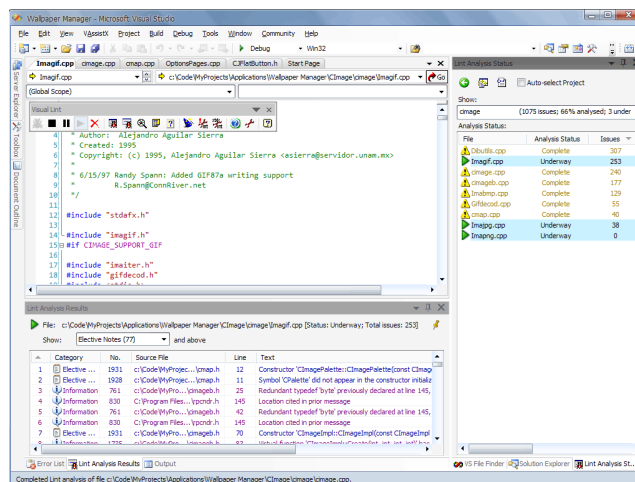
If you've ever tried to perform a lint analysis of a large codebase, you will know how time consuming and disappointing the whole experience can be.

Of course, if your idea of "fun" is writing complex command lines and trying to figure out how to configure a lint tool with hundreds of options, this might be a process you would enjoy.

However, for the rest of us there is now an easier way.

Introducing Visual Lint

Visual Lint is an add-in for Microsoft Visual C++ and Visual Studio which closely integrates the Gimpel PC-Lint static code analysis tool¹ within the integrated



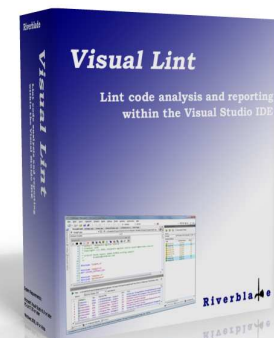
development environment (IDE).

Once Visual Lint has been installed within your IDE, you won't need to write a PC-Lint command line again. All of that is done for you, so you can concentrate on the most important thing—your code.

Improve code quality by finding bugs early

PC-Lint is an industry standard C/C++ code analysis tool which can identify a wide range of potential issues—from the subtle (e.g. variable name scoping issues) to the not so subtle (e.g. unguarded pointers and badly defined classes)

With Visual Lint, we aim to unlock this potential so you can identify and correct such issues early.



- Closely integrates PC-Lint 7.50 or 8.00 within the Visual Studio IDE^{*}
- No need to learn complex PC-Lint command lines
- Analysis of implementation files automatically uses the settings of the active project configuration
- Automated background analysis of complete solutions and workspaces while you edit
- Supports both single file ("unit checkout") and whole project analysis
- Easy to interpret displays of analysis results, colour coded by severity.
- Easily lookup the meaning of any lint issue using dedicated displays and tooltips
- Customisable HTML and XML reports showing a summary of the analysis results across a complete solution
- Integrates the PC-Lint manual within the IDE
- Compatible with Visual Studio 2002, 2003, 2005, 2008, Visual C++ 6.0 and eMbedded Visual C++ 4.0
- Available in **Free**, **Standard** and **Professional** Editions to suit your requirements and budget.

^{*} Valid PC-Lint licence required. Please visit www.gimpel.com for details.

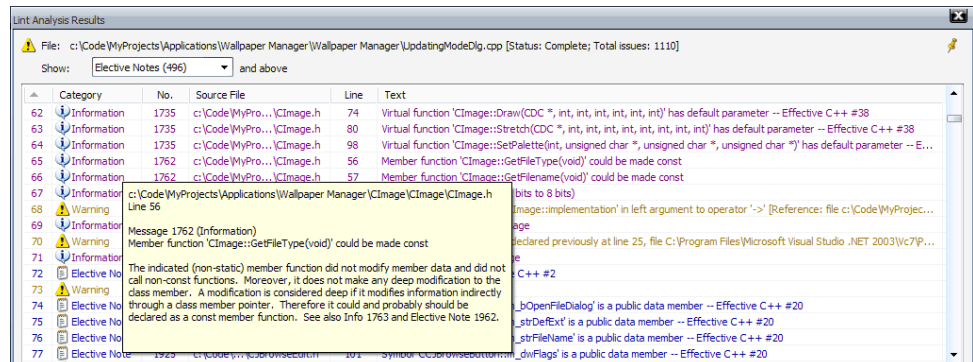
Riverblade

Tools for Visual Studio Developers

Visual Lint – Integrated code analysis for Microsoft Visual Studio

Easy to interpret Analysis Results

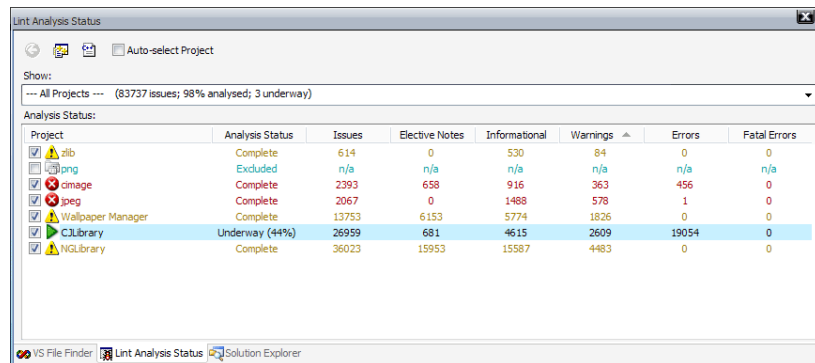
One of the criticisms often leveled at code analysis tools is the mass of analysis results they can produce. By integrating custom displays into the IDE, Visual Lint is able to present analysis results in a form you can easily interpret and prioritize corrective action accordingly.



When you open a file, the corresponding analysis results will automatically be presented for review.

Why analyse files manually one at a time, when the IDE can do it for you?

Visual Lint can unobtrusively analyse complete Visual C++ solutions and workspaces in the background while the IDE is idle. At any time you can examine the analysis status of the solution via a dedicated Analysis Status Display:



Three Product Editions to suit your requirements and budget

Visual Lint is available in three editions: Free, Standard and Professional:

- **Visual Lint Free Edition** allows manual lint analysis to be carried out in a similar way to traditional methods of integrating lint tools within the IDE. The dedicated Analysis Results Display makes it easy to interpret the meaning of the identified lint issues .
- **Visual Lint Standard Edition** adds the capability for automated re-analysis of files and HTML reports, ensuring that up to date analysis results and reports are always available to the developer.
- **Visual Lint Professional Edition** offers additional features more applicable to advanced users, notably whole-project analysis, the ability to define custom categories of lint issues and apply custom lint configurations.

For further details of the features provided by each Visual Lint edition, please visit www.riverblade.co.uk/products/visual_lint.

About Riverblade:

Founded in 2004, Riverblade is a UK based Independent Software Vendor (ISV) and Microsoft Partner specialising in the development of tools to assist developers using Microsoft Visual Studio. We are based in Bournemouth, on the south coast of England. Additional information about Riverblade and our products can be found at www.riverblade.co.uk.

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