

# Visual Lint

## Squash bugs early with interactive C/C++, C# and Java code analysis for Microsoft Visual Studio and Eclipse

If you've ever tried to assess the quality of a large codebase, you will know how time consuming and frustrating the whole experience can be.

Of course, if your idea of "fun" is trying to figure out how to configure an analysis tool with hundreds of options and wading through reams of unfathomable analysis results, 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 closely integrates industry standard code analysis tools including **PC-lint**, **CppCheck**, **FxCop** and **FindBugs** within the Microsoft Visual Studio and Eclipse integrated development environments:

Once Visual Lint has been installed within your development environment,



### Key Benefits

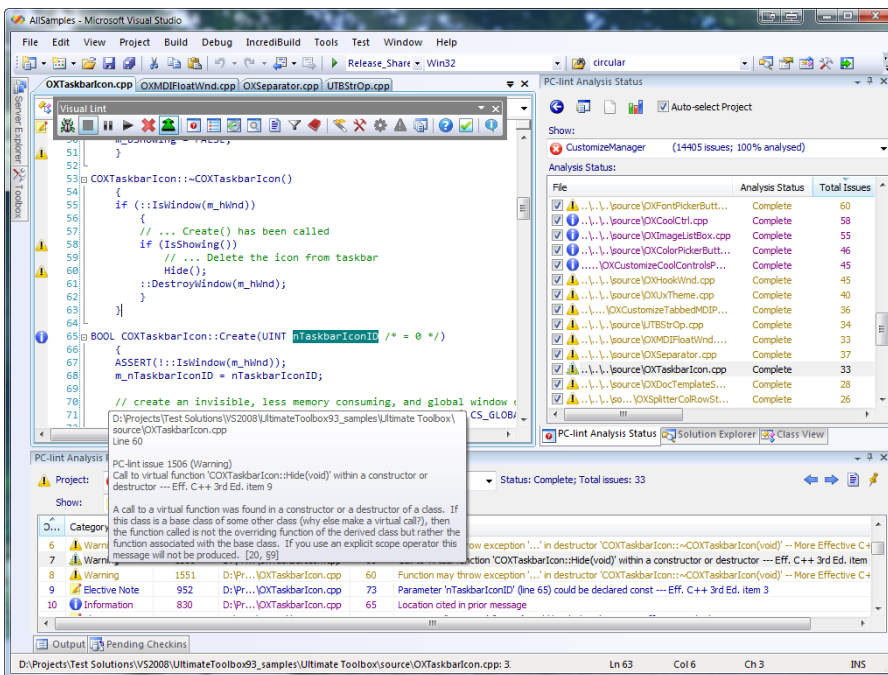
- Deep integration of industry standard code analysis tools within the Visual Studio and Eclipse development environments<sup>1</sup>
- Supports analysis of C, C++ C# and Java codebases
- Easy to interpret dedicated displays, colour coded by severity
- Automated incremental analysis of complete codebases *while you edit*
- Accelerate code analysis tasks using spare machines on your network<sup>2</sup>
- Straightforward configuration automatically takes into account active project settings
- Easy lookup of the meaning of any reported issue<sup>3</sup>
- Detect unused C/C++ include files<sup>4</sup>
- Customisable HTML reports showing a summary of the analysis results
- Compatible with Visual Studio (2002/2003/2005/2008/2010), Visual C++ 6.0, eEmbedded Visual C++ 4.0 and Eclipse
- Per-user and floating licences available.

1 Analysis tools supplied separately.

2 Requires IncrediBuild XGE interfaces extension package . Please visit [www.xoreax.com](http://www.xoreax.com) for details.

3 Available with selected analysis tools only.

4 When used with the Gimpel PC-lint C/C++ analysis tool.



it analyses your code incrementally to identify potential issues - so you can concentrate on the most important thing—**your code**.

### Improve code quality by eliminating bugs early

Visual Lint supports industry standard code analysis tools 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 C/C++ pointers and poorly defined interfaces)

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

### Which analysis tools are supported?

Visual Lint supports a variety of analysis tools including **PC-lint**, **CppCheck** and **cppLint.py** for C/C++, **FxCop** for C# and **FindBugs** for Java.

We add support for additional analysis tools regularly, so please contact us if you are interested in support for a particular analysis tool.



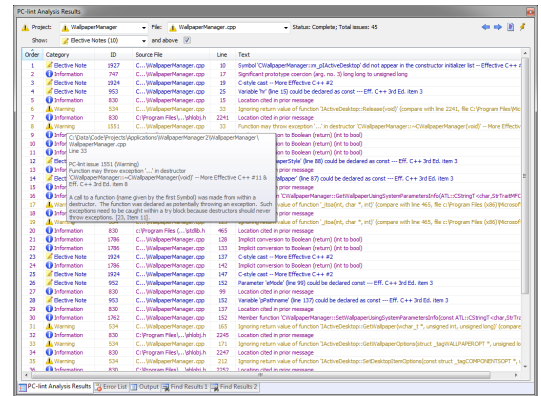
# Visual Lint – interactive code analysis for Microsoft Visual Studio and Eclipse

## 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 development environment, Visual Lint is able to present analysis results in a form you can easily interpret and prioritise corrective action accordingly.

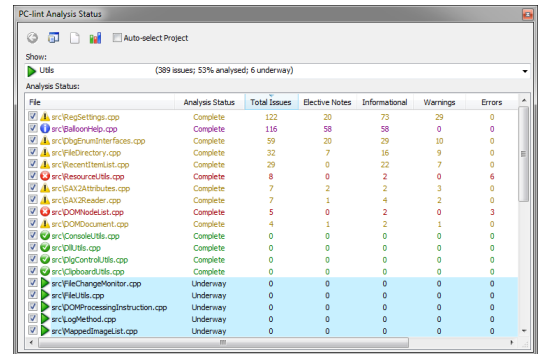
When you open a file, the corresponding analysis results will automatically be presented for review and action.



## Why analyse files manually, when the development environment can do it for you?

Visual Lint can unobtrusively analyse entire codebases in the background while the development environment is idle. Both per-file and per-project analysis methods are supported.

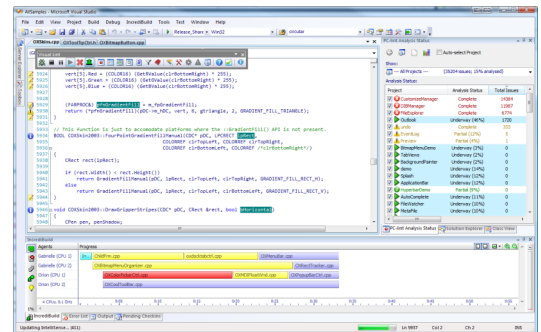
At any time you can examine the analysis status and history of any part of the codebase via dedicated Analysis Status and Analysis History Displays.



## Accelerated code analysis using unused processing capacity on your network

If the analysis of your codebase takes longer than you would like, Visual Lint can accelerate it dramatically by distributing analysis tasks amongst other computers on your network using the Xoreax IncrediBuild XGE Interfaces package.<sup>2</sup>

Using this method you can easily obtain a **twentyfold reduction** in the time it takes analyse complex codebases.



## Three Product Editions to suit your requirements and budget

Visual Lint is available in both per-user and floating licences in the following product editions:

- **Visual Lint Standard Edition** allows both manual and automated analysis to be carried out directly within the development environment. Dedicated displays make it easy to interpret the meaning of the identified issues.
- **Visual Lint Professional Edition** is recommended for development teams who require customised analysis configurations. Visual Lint Professional Edition allows you to control exactly which projects and files you want to include or exclude from the analysis, and even adjust the analysis configuration on a project by project basis.
- **Visual Lint Enterprise Edition** is recommended for large development teams with detailed analysis configuration and reporting requirements. Visual Lint Enterprise Edition offers code editor markers, distributed analysis, detailed HTML reporting and the most customisable analysis configuration of any Visual Lint edition.

For full details of the capabilities of Visual Lint, please visit [www.riverblade.co.uk/products/visual\\_lint](http://www.riverblade.co.uk/products/visual_lint).

### About Riverblade:

Founded in 2004, Riverblade is a UK based independent software vendor specialising in code analysis tools and development environment integration.

Additional information about us and our products can be found at [www.riverblade.co.uk](http://www.riverblade.co.uk).

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