

# Visual Lint

## Squash bugs early with interactive code analysis

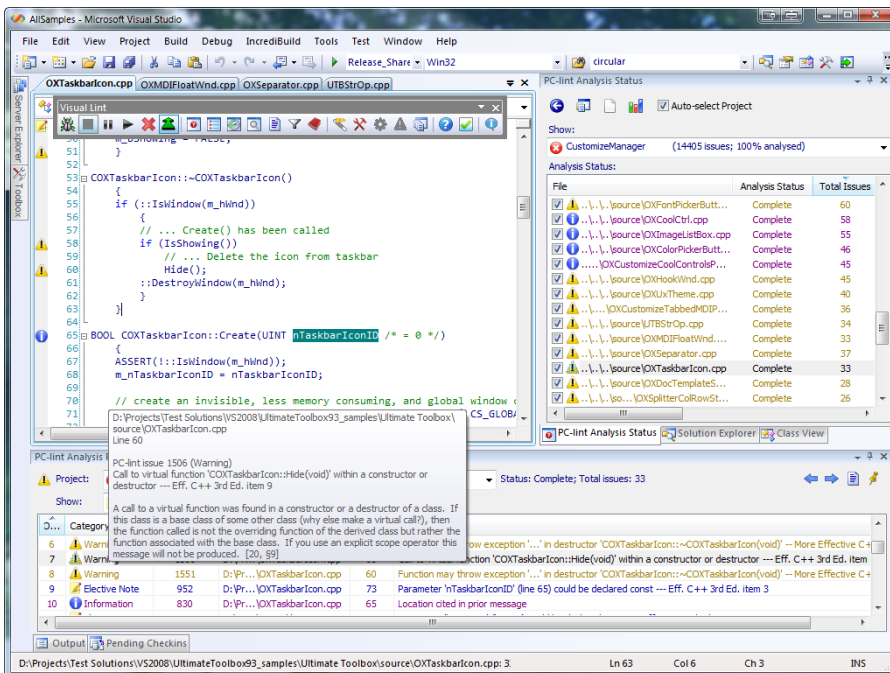
If you have ever tried to review the quality of a large codebase, you will know how time consuming and frustrating the whole experience can be.

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 is an interactive code analysis environment which makes it easy to use industry standard analysis tools to identify defects and improve the quality of your code.



Once Visual Lint has been installed, 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, you can unlock this potential to identify and correct such defects early.

### Which analysis tools are supported?

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

Adding support for new languages and analysis tools is generally straightforward, so please contact us if you are interested in a particular language, project type or analysis tool.



### Key Benefits

- Interactive and command line analysis of C, C++, C# and Java codebases <sup>1</sup>
- Deep integration within development environments via plug-ins compatible with Microsoft® Visual Studio® (2002–2019), Atmel Studio and Eclipse (3.4 onwards)
- Standalone applications for the analysis of projects from other development environments (e.g. Visual C++ 6.0, CodeGear C++, VisualDSP++ and Green Hills MULTI)
- 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 analysis issue <sup>3</sup>
- Detect unused C/C++ include files <sup>3</sup>
- Customisable analysis reports
- Per-user, floating and site licences available.

<sup>1</sup> Support for other languages and analysis tools available on request. Commercial analysis tools supplied separately; freeware/open source analysis tools (e.g. CppCheck) may be freely downloaded

<sup>2</sup> Requires IncrediBuild. Please visit [www.incredibuild.com](http://www.incredibuild.com) for details

<sup>3</sup> Available with selected analysis tools only.

# Visual Lint – interactive code analysis

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

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

## Analyse your code in the background, while you work

Visual Lint can unobtrusively analyse entire codebases in the background while you work. 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 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.

## Product Editions to suit your needs and budget

Per-user, floating and site licences are available for the following Visual Lint product editions:

- **Visual Lint Professional Edition** is designed for professional development teams. It allows you to control exactly which projects and files you want to include or exclude from analysis and define the analysis configuration on a project by project basis. Dedicated displays make it easy to interpret the meaning of the identified issues.
- **Visual Lint Enterprise Edition** is designed for development teams with detailed analysis configuration and reporting requirements. It includes support for code editor markers, accelerated grid analysis, detailed analysis reporting and the most customisable analysis configuration of any Visual Lint edition.

**Visual Lint Build Server Edition** is also available to analyse code on your build or continuous integration server. A separate product brief is available for this edition—please ask for details.

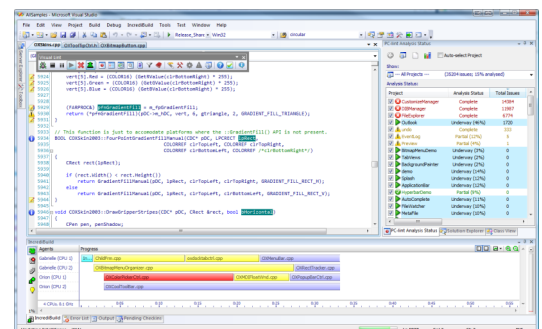
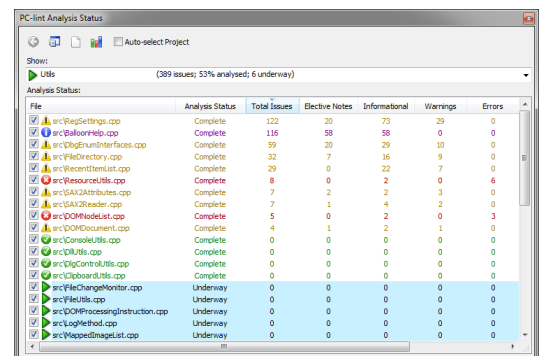
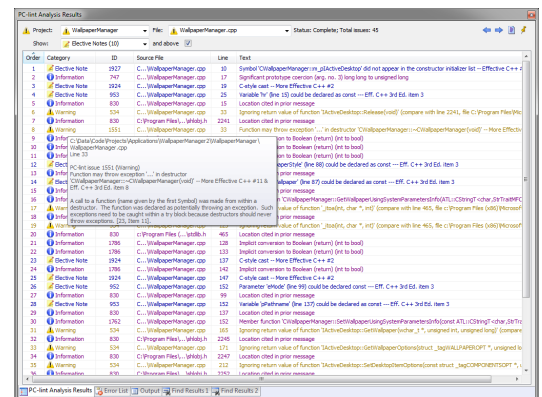
Similarly, **Visual Lint Personal Edition** is a low cost solution for freelance and individual developers which allows both manual and automated analysis to be carried out directly within the development environment.

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

### About Riverblade:

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

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



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