

LevelBlue Source Code Diligence

LevelBlue offers a variety of source code analysis services to help you understand the state of your software projects. If you want to understand the quality of your code across your codebases, to identify key knowledge-holders who wrote your vital and your languishing software projects, to analyze the security of your applications, or to improve your software processes and testing infrastructure to reduce software defects in the future, then our services can help.

We can help you analyze how you developed your software in the past by looking at prior patterns of maintenance; help you measure what the status and security of your software is now through static analyses and human review; and help you understand and improve how you are building your software for the future by looking at your software processes and testing.

We can help you figure out who wrote that important piece of software that no one works on anymore – if the sole authors of portions of critical projects depart, this can be a critical failure waiting to happen. And we can identify which portions of your projects have not been touched in some time – are they solid and stable portions or insecure and untested portions written before your security engineering practice was up to snuff?

LevelBlue's offerings are built on decades of experience analyzing software in litigation, giving us deep insight into how to identify code-level issues early – before they escalate into major problems such as disputes over software ownership or the serviceability of delivered software.

Using a combination of machine-aided and human expert review, LevelBlue will increase your awareness of and visibility into any issues with the codebase.

Where are you now?

Measurement

LevelBlue will measure your code, run static analyses on it to identify potential issues such as dead code, overly complex functions, and modules, and provide statistics about documentation, code complexity, dead code, and your development progress that speak to quality.

Code Review

LevelBlue's experienced consultants will review samples of your source code to judge quality and consistency across projects.

Application Security Assessments

LevelBlue also has application security experts who can analyze your software for security vulnerabilities and perform in-depth reviews of the security of your software systems and processes.

How did you get here?

Maintenance

LevelBlue also can examine patterns of software development and maintenance across projects, modules, and files to determine differences in patterns of development. This can help identify projects and portions of projects that have received little or no attention recently.

Key developers

LevelBlue can also help you identify the key developers in various software projects to help figure out who on your team may have knowledge about long-languishing codebases or key portions of important projects. This can either help you find the person you need now, or help you uncover a critical loss of knowledge before it sets back your product timelines.

Ownership

LevelBlue also offers a variety of services to help you ensure that *you* own your code. Through decades of working in the software litigation space, our teams have developed means that can help identify the presence of third-party code in your codebase even without access to the third-party source code in question.

Where are you going from here?

Process

Software process is a cornerstone of software quality. LevelBlue will send questionnaires and conduct interviews to understand how you plan, control, and measure your software development processes.

How do you organize your teams, plan their work, and measure their success? How do you create, monitor, and enforce coding standards and style? How do identify bugs and ensure they are fixed? How reliably do you follow your policies? LevelBlue can help you understand your process and how to improve it and improve the quality of your code.

Testing

Through questionnaires, interviews, and analysis of your unit tests, test coverage, and test configurations, LevelBlue can help you understand what holes there may be in your tests and how to improve.

About LevelBlue

LevelBlue reduces risk and builds lasting resilience so organizations can innovate and advance their mission with confidence. As the world's most analyst-recognized and largest pure-play managed security services provider, LevelBlue elevates client outcomes that matter: stronger defense, faster response, and sustained business continuity. LevelBlue combines AI-powered security operations, advanced threat intelligence, and elite human expertise to provide the most comprehensive portfolio of strategic advisory, managed security, offensive security, and incident response services.