

# Surveyor

from Lexient Corp.

A code analyzer for enterprise development teams

## Product Overview

### What is Surveyor?

Surveyor is a code analyzer for software development teams that reduces the overall costs associated with development activities by:

- Fostering collaboration
- Putting detailed code structure and relationship information in the hands of an entire development organization
- Streamlining the development cycle
- Automating the process of understanding complex source code

### How does Surveyor work?

Surveyor from Lexient automatically captures and extracts from existing source code relevant information, building a centralized library accessible by the entire development organization within the enterprise. Then automated code analysis is performed, and the resulting information and metrics are available in real-time to authorized users, thus facilitating cooperation and rapid completion of project milestones.

Once the library is on-line, members of the team can visually navigate all tiers of the application's internal structure. Through the intuitive interface, objects can be rapidly examined without the labor-intensive process of finding and examining code. As a result, management oversight activities such as code audits and code reviews become effortless.

## Streamlining the Development Cycle

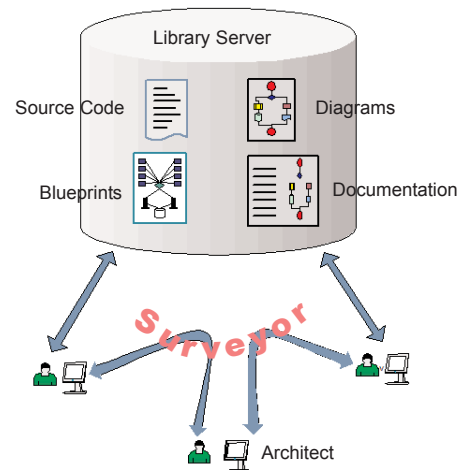
Most development organizations respond to changing business requirements by initiating an iterative cycle of analysis, design, coding and testing. Surveyor enables several of these steps to be conducted **at the same time**. How is this done? By providing developers with a variety of sharable blueprints of the structure, interactions, and relationships within their source code. With a navigable interface to code resources, the impacts of design and code changes can be seen in seconds. Streamlining the development cycle enables developers to interact with code resources and other team members more naturally, and significantly increases the rate at which they are able to complete projects.

### Unifying Development Teams

Surveyor adds a powerful tool to an organization's development team by enhancing communication between team members, providing an automated analysis process, and blending the various iterative steps in the development cycle. By becoming a part of an organization's current development process, Surveyor delivers on the goal of increasing the speed and quality of completing software, and decreases overall software development costs.

## Automating the Code Analysis Process

Often, developers analyze source code by randomly poking around the source code - reading it to try to better understand why it was written in a particular way. Surveyor automates this process by instantly generating interactive, navigable visual maps showing the underlying structure, relationships, and interactions between various elements. Within seconds, the average team member can perceive the blueprint of the source code as only experienced senior developers could have previously.



Surveyor enables teammates to communicate about diagnostics and other analyses visible to all authorized constituents

## Collaboration enabled in the Development Team

How do development teams currently collaborate on projects? Like most other types of teams, they endure long conference room meetings using whiteboards, and also learn about code by reading over senior developers' shoulders. Surveyor is an interactive digital whiteboard shown to enhance communication between team members. No more 'whiteboarding' sessions in conference rooms tying up the entire team for days as they try to understand a complicated piece of spaghetti code. Instead, Surveyor provides many means of collaborating, so teams can easily coordinate on rapidly completing project deliverables.