



Elite Software R&D Services
Since 1990



Tools for Real-time Systems Development

Client

LynuxWorks™, Inc., a pioneer and a proven leader in the embedded systems industry, delivering its software products solutions to the markets such as communications, aerospace and defense systems, medical, and automotive.

Solution

TotalView—a powerful source-level debugger for C/C++ software, that enables debugging of multiprocess, multithreaded, and multiprocessor-based systems, and applications across multiple, heterogeneous systems from one session.

TimeScan - an event-based tracing and performance analysis tool that supports multiprocess, multithreaded, and multiprocessor applications with event logging at a microsecond or better, and powerful debugging tools for difficult problems such as resource contention, bottlenecks, deadlocks, and critical processing timings, that could not be easily resolved with other solutions.

From early 2000 and up to date, Auriga has been working for LynuxWorks, Inc. in the area of LynxInsure++, an automatic run-time error detection and analysis environment. It analyses and instruments C/ C++ applications to detect programming errors and bugs that might be syntactically correct, but programmatically wrong, poor coding style cases not seen to ordinary debuggers, and then generates various reports in either text or animated graphic form, like memory leaks reports or total coverage analysis reports.

Auriga's Contribution

- Porting of Insure++ to LynxOS
- Development of the test scripts for XRunner to run tests for the TotalView and the TimeScan graphic interface of a special GUI tool for LynuxWorks to create, modify, run test projects and process results for TotalView and TimeScan regression tests in LynxOS native and cross environment.