



Allinea DDT – A revolution in debugging



The Distributed Debugging Tool is a comprehensive graphical debugger for scalar, multi-threaded and large-scale parallel and multi-core applications

DDT puts you in control of your application, whether you are working with a workstation or a thousand processor high performance cluster

DDT has the industry's best parallel debugger interface; one screen to control thousands of processes – all at the click of a button

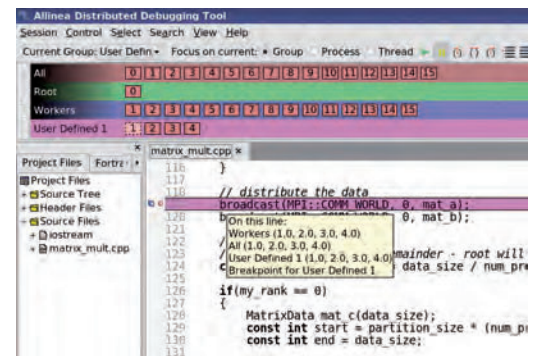
Supports all major MPIs, Open MP and queueing systems

Sophisticated memory debugger finds memory leaks and common errors

Easy-to-use, powerful and cost-effective

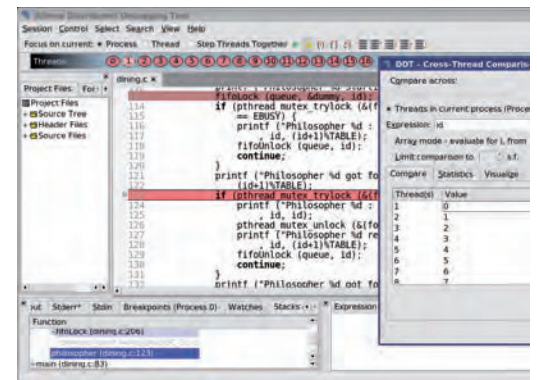
Advanced C, C++ and Fortran support

DDT saves time, frustration and money



Intuitive Interface

DDT has been designed to make debugging even the most demanding parallel applications easier, faster and more efficient



Multiple thread support

DDT allows users to debug applications by both processes and threads

Scalable Versatile Intuitive

- Run and step groups of processes and threads with visual feedback, including a parallel stack view for a current overview of process locations
- Compare values across groups of processes and threads: statistically, graphically and automatically by equivalence
- Message queue analysis to detect program deadlock
- Attach to running processes, launch MPI jobs through GUI, or let DDT submit your job to your favourite batch scheduler
- Advanced Fortran and C++ support, including a Fortran module browser and a C++ standard template wizard
- Exceptional memory debugging features
- Navigate through local variables, stack frame and complex data structures with ease
- Visualize slices of multi-dimensional arrays using OpenGL graphics
- Automatic display of project source files with syntax highlighting
- Significant enhancements to OpenMP and multi-threaded support
- Instant detection of out-of-bounds writes and reads for allocated data

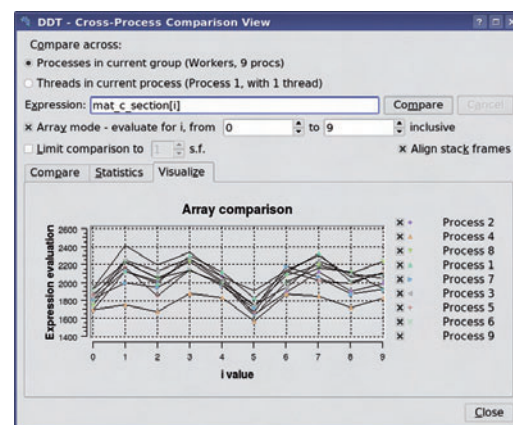
NEW in DDT 2.2:

- Improved Multi Dimensional Array Viewer
- Simplified presentation of process groups
- Enhanced parallel stack view

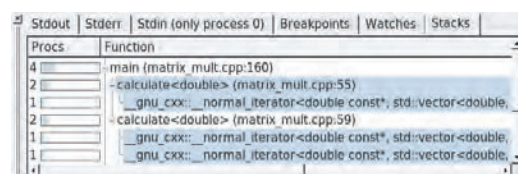
COMPATIBILITY

- Available for AIX, Linux and Solaris
- Support for the latest processors and platforms: X86, X86-64, IA64, Power, UltraSPARC and Cell BE
- Compatible with compilers from all major vendors – including Absoft, IBM, Intel, Pathscale, Portland Group, Sun and the GNU compiler suite

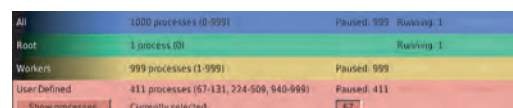
NEW in DDT 2.2: NEC SX8 and CRAY XT support



Rapid problem-finding
DDT automatically analyses values
across processors



Enhanced parallel stack view
DDT now shows exactly where your
program is, in one single view



Summary Process View
DDT has the ability to control thousands
of processes from a single clear panel

