

New in Sun Studio 11

- Improved performance tuning for new Sun systems
 - UltraSPARC IV+ (490,890,4900,6900), T1 (Niagara) systems
 - New single core 2.8GHz Opterons, dual-core Opterons
 - 5-8% improvement on INT, 10-12% on FP over Studio 10
- New Features include:
 - Full implementation of OpenMP v2.5 APIs + autoscoping with all compilers
 - DataSpace Profiling on UltraSPARC systems
 - SSE3 assembler support, SSE/SSE2 Vector/SIMD intrinsics
 - Medium-model implementation (x64)
 - Dwarf debugging support (C, C++)
 - Improved Performance Analyzer: Dataspace profiling, HW counter data collection
 - Compiler Commentary on x86
- Free product binaries + fee-based support options

Sun Studio 11 for Solaris OS

- Optimizing C, C++, Fortran compilers
- CLI and GUI debugger
- Runtime Checking- memory usage, access, leaks
- Acclaimed Performance Analysis Tools
- NetBeans™-based IDE
- Distributed build utility (“dmake”)
- Sun Performance Library
- Rogue Wave Tools.h++, SCL, STLport libraries
- X-Designer GUI Builder
- Native Connector Tool – Java/Native Integration

Sun Studio 11 for Linux OS

- Compatible with GCC (Sun compilers not included)
- CLI and GUI debugger
- Performance Analysis Tools
- NetBeans™-based IDE
- X-Designer GUI Builder
- Distributed build utility (“dmake”)
- Supported on: SLES 9 and RHEL 4
- Sun Linux Compilers Technology Preview at:

developers.sun.com/sunstudio/linux

Key Takeaways

- Performance = H/W + OS + Compilers
- Sun Studio 11, with its optimizing compilers and support for the newest multi-core systems, provides the best performance
- Ease of upgrading with compatibility with prior versions and gcc features
- Graphical debugger and performance analysis tools are best of class on Solaris
- Common toolset between Solaris SPARC, x86 and x64 minimizes porting issues
- Sun Studio 11 is **FREE**, with available support options

More Information & Resources

- Visit Sun's Developers page for Documents, Code Samples, Technical Articles, Tips and Datasheets:
 - <http://developers.sun.com/prodtech/cc>
- Get the latest support information:
 - <http://developers.sun.com/prodtech/cc/support>
- Download Sun Studio:
 - <http://developers.sun.com/prodtech/cc/downloads>
- Sun Studio Compilers for Linux – Technology Preview
http://developers.sun.com/prodtech/cc/tech_preview.jsp