SWChangeLogs-Compilers-20081121

XL C/C++ 9.0, XL Fortran 11.1

Overview

For a brief overview of the new compilers, see Using the XL Compilers for Blue Gene

XL C/C++ 9.0

Improvements and new features for the Blue Gene/L version include:

- Upgrade of the default language level option for C to extc99 allowing you to use C99 features and headers without having to explicitly specify extc99 in a suboption
- Auto SIMD performance improvements
- Improved tuning for MASS library functions
- Additional features and enhancements for performance and optimization tuning
- New or changed compiler options and directives

See the "What's new..." chapter of Getting Started with XL C/C++ for more changes in XL C/C++ 9.0.

XL Fortran 11.1

Improvements and new features for the Blue Gene/L version include:

- Enhanced support for Fortran 2003 including implementation of the full Fortran 2003 object-oriented model, I/O enhancements, scoping and data manipulation enhancements, procedure enhancements, and intrinsic function enhancements
- Auto SIMD performance improvements
- Improved tuning for MASS library functions
- Additional features and enhancements for performance and optimization tuning
- New or changed compiler options and directives

See the "What's new..." chapter of Getting Started with XL Fortran for more changes in XL Fortran 11.1.