



## **High Performance Computing Software Development Kit™ for Mac OS X - Supercomputing made easy!**

The Absoft High Performance Computing Software Development Kit (HPC SDK) for Apple's Mac OS X is the premier software development kit for building and running high performance computing applications on Mac OS X. Absoft's HPC SDK consists of preconfigured tools that help you to immediately compile, debug, run, and optimize high performance computing applications.

### **Everything you need for HPC software development, in a single software package.**

Preconfigured Best of Breed software tools install easily and quickly on your HPC server or cluster allowing you to start developing and running applications within minutes:

The Absoft HPC SDK for Mac OS X includes the following components:

- Absoft Pro Fortran 95 Compiler v9.2 (new)
- Absoft FxP MPI Debugging Solution (new)
- LAM/MPI and MPICH2- for parallel MPI execution
- VAST Auto-vectorization, Auto-parallelization, and OpenMP
- ScaLAPACK, LAPACK95, ATLAS, and other open source components included and preconfigured
- IMSL Fortran Numerical Libraries
- Absoft Modules Environment (AME) with new Dashboard support
- Absoft Common License Manager (CLM)
- Absoft Common Installer (ACI)
- Absoft Examples and HPC Benchmarks

The HPC SDK software development environment creates a cohesive, complete HPC software development solution that allows developers to focus on the debug, run, optimize, development cycle. The HPC SDK makes cluster development pleasant and productive for both beginning and advanced developers.

Beginning users will benefit by accessing the included Absoft examples (a comprehensive set of example HPC programs, associated Makefiles, and Readme files) to quickly learn how to take full advantage of HPC SDK features.

Experienced users will appreciate the HPC SDK's ability to customize their development environment. Switching between compilers, modifying development environments, adding additional tools, and changing the configuration is simple and easy using the Absoft Modules Environment (AME). The AME (including a Graphical Dashboard Widget for quick and easy switching between 32-bit and 64-bit environments, libraries, and other HPC tools) also allows users to save their environment settings "on the fly".



Feature	Benefit
Flexible Configuration Options	<ul style="list-style-type: none"><li>☒ Allows many choices based on the number and type of server, offering ideal solutions for both small and large organizations.</li><li>☒ Yields affordable solutions that can be incrementally expanded as workloads grow.</li><li>☒ Add new tools as your needs change. HPC SDK protects your investment for years to come.</li></ul>
Easy to use Installer and License Manager	<ul style="list-style-type: none"><li>☒ The Absoft Common Installer (ACI) installs all components on the HPC SDK in three easy clicks, creating a fully functional HPC development environment within minutes.</li><li>☒ The Absoft Common License Manager (CLM) provides a consolidated and customizable framework for software license management, eliminating component maintenance headaches.</li><li>☒ Developers spend more time coding and less time trying to make their development environment work.</li><li>☒ Speeds time-to-productivity.</li></ul>
Innovative Software Tools in a Single Package	<ul style="list-style-type: none"><li>☒ Powerful compiler, debugging, and system software tools help improve developer productivity and drive higher levels of utility from the cluster.</li><li>☒ The preconfigured and tightly integrated software components reduce development time by allowing developer to focus on the compile, debug, run, and optimize cycle.</li><li>☒ Select third party tool compatibility allows you to further customize your development environment.</li></ul>
Absoft Support	<ul style="list-style-type: none"><li>☒ One year of free Absoft technical support gives you peace of mind that any questions or problems you have will be handled in a quick and prompt manner.</li><li>☒ Single point of contact for all HPC SDK tools and technologies reduces maintenance; ensures "It Just Works".</li></ul>

### Availability

The Absoft HPC SDK is available as a preconfigured software package based on the number of processors and the number of simultaneous users on the HPC system. Prices start at \$5,000 for commercial versions. Product and ordering information are available by calling Absoft directly at 248-853-0050, by visiting <http://www.absoft.com>, or by emailing [sales@absoft.com](mailto:sales@absoft.com).

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