

C++Builder 3

Borland is very excited to announce the new Borland C++Builder 3. C++Builder 3, with over 50 new and significant features, is the best C++ compiler and development environment ever created. It delivers productivity and performance that you expect and demand when building any Windows applications. C++Builder 3 delivers the advanced Project Manager for handling complex applications requiring multiple target types, six new powerful debugging capabilities, over 15 new compiler options for smaller and more efficient code, seamless client/server database development and three new integrated internet development technologies. Exclusive to C++Builder 3 are technology solutions for decision support with the Decision Cube multi-dimensional cross-tab components, MIDAS (Multi-Tier distributed application services) development kit for building business critical applications with DCOM, and the new Adaptive Compiler Technologies for unbelievable performance.

High Performance, Most Advanced C++ Compiler and Linker for developer productivity

For C++Builder 3, Rapid Application Development means making the Code/Make/Run/Recode cycle faster, integrated development of visual applications seamless and the use of reusable components easier. C++Builder 3 delivers greater developer productivity by including five leading-edge compiler and linker technologies:

- **Incremental Linker** stores data and debug information about the object files and intelligently decides whether a file needs to be relinked. This means that as projects grow productivity remains high.
- **Smart Adaptive Compiler Technology** dynamically creates precompiled headers based on developer usage patterns. Now while precompiled header technology has been around since the early eighties, C++Builder adds further optimizations such as memory caching instead of I/O disk caching and a header modification table to reduce the amount of memory needed to store symbol table information. Again, this means less code compiled and faster turn-around times.
- **Packages** are a unique compiler technology that creates smaller and more efficient application executables that can be quickly and easily distributed via an Intranet to a large number of users. Significantly reduce link times with the Visual Component Library Packages which are dynamically linked via an import library instead of statically linked into the executable. Packages are another way to get applications to production on time and on budget.
- **Dynamic RTL** also means that the Run Time Library is dynamically and not statically linked and offers the same types of advantages that one gets from Packages.
- **Intelligent IDE** automatically determines which Visual Component Libraries need to be used for a given project instead of defaulting to include all libraries. The amount of work the compiler/linker does resolving references is reduced which in turn significantly improves build times.

Productivity of Rapid Application Development:

With C++Builder 3, high-performance and rapid application development helps C++ developers create any C++ application in a fraction of the time. Build upon your current C++ expertise to build console applications, device drivers and NT services. Meanwhile, C++ developers no longer have to buy, learn and integrate third party design tools and languages to create visually appealing database, Internet, and commercial applications. Greater productivity is available with a comprehensive set of 130 components, support for OWL and MFC object frameworks, integrated forms designer, integrated object/component inspector and productivity tools such as Code Insight, Wizards, ToolTip Expression evaluation and more. Also with migration wizards from Visual C++ or Borland C++, you can take advantage of the productivity enhancements of C++Builder to help existing projects meet their deadlines.

With C++Builder 3, Borland has spent a lot of time with the core systems, debug kernel, compiler, and linker in order to offer a tool for systems development. C++Builder 3 combines that with seamlessly integrated application development technologies to increase developer productivity, increase the fun of C++ development and reduce the development cycle. C++ Builder gets applications to production on-time and on-budget.