

Borland® C++ 5

The most productive C++ for
16- and 32-bit development

Why care about developers?

- Developers spend \$4,000–\$6,000 a year on software and hardware
- Average 28 visits a year to retail stores
- Typically own multiple tools and buy add-on products
- Influence a large number of users

Why do developers choose Borland C++?

Borland C++ is the most productive C++. The new 5.0 version is an advanced Windows 95/NT hosted C and C++ compiler that enables developers to create both 32- and 16-bit Windows applications using the same source code. In contrast, Microsoft Visual C++ 4.0 requires developers to write the same application twice using two different sets of tools, different application frameworks, and different components. In addition, Borland C++ includes integrated tools to easily create Java™ applications, and Microsoft Visual C++ 4.0 doesn't.

What is the Borland C++ Development Suite?

Borland is introducing the first integrated C++ suite of tools. The suite includes:

- 1. The complete Borland C++ 5.0**
The most productive C++ for 16- and 32-bit development.
- 2. CodeGuard™ 32/16**
Automatically detects, locates, and diagnoses bugs at runtime in both 32- and 16-bit applications.
- 3. PVCS Version Manager**
Seamlessly integrated version control eliminates the need to switch tools.
- 4. InstallShield® Express**
Visually creates install programs using prebuilt components.
- 5. AppAccelerator™ for Java**
Increases performance of any Java application or applet by up to 10 times.

Features Supported	Borland C++ 5.0	Borland C++ Development Suite 5.0	Borland C++ Dev. Suite w/ Design Tools
Complete support for Windows 95/NT	✓	✓	✓
Create both 32- and 16-bit Windows applications with the same source code	✓	✓	✓
Compatible with Borland C++Builder™	✓	✓	✓
ObjectScripting fully programmable IDE	✓	✓	✓
Quickly add database functionality with Visual Database Tools	✓	✓	✓
FREE integrated Java tools for the Internet	✓	✓	✓
OWL and MFC source code included	✓	✓	✓
Incremental linker for faster builds	✓	✓	✓
Support for code signing	✓	✓	✓
ANSI/ISO Standard C++ Library, including STL	✓	✓	✓
Point-and-click install expert with prebuilt components		✓	✓
Automatic uninstall support for Windows 95		✓	✓
Detects bad pointers, even outside of API calls		✓	✓
Automatic detection, location, and diagnosis of memory bugs		✓	✓
Full color visual differencing of source code versions		✓	✓
AppAccelerator for up to ten times faster Java code		✓	✓
Together/C++, a source-based Object-Oriented Analysis and Design Tool			✓
Visual two-way object modeling			✓
Visual code generation			✓
Coad, OMT, and Unified notations			✓
Automatic documentation			✓
Help file generation			✓

Step up to the Development Suite for just \$100 more. That's a savings of more than \$900 if purchased separately!

What are Design Tools?

The Borland C++ Development Suite with Design Tools is a comprehensive suite of six integrated tools. It includes everything in the Development Suite, plus Together®/C++—a source-based Object-Oriented Analysis and Design Tool. Take yourself from design to implementation with one tool! Automatically generate documentation and help files, and design your applications with visual two-way modeling, all with built-in workgroup support. Design Tools are seamlessly integrated into the Borland C++ environment.

Why Borland C++ 5.0 delivers better solutions to developers than Microsoft Visual C++ 4.0

Challenge #1: Write Code Once for 16- & 32-bit	Challenge #2: Support for More Standards	Challenge #3: Faster Development
<ul style="list-style-type: none"> • Create 32- and 16-bit Windows applications with the same source code using one development environment Visual C++ requires using an outdated 16-bit and newer 32-bit development environment. • Use the same VBX components in both 32- and 16-bit applications Visual C++ has no support for VBX controls in 32-bit applications. • Leverage Windows 95-based controls in both 32- and 16-bit Windows applications Visual C++ does not emulate Windows 95-based controls in 16-bit Windows applications. • Easily create 32- and 16-bit Windows with OWL 5.2 application framework MFC 4.0 is 32-bit only, so developers must also use an outdated 16-bit version of MFC. 	<ul style="list-style-type: none"> • Full support for non-Microsoft standards such as Java Visual C++ does not offer Java support. • Get the latest ANSI/ISO C++ language features including the new Standard C++ Library with STL, and bool and namespace support Visual C++ has no ANSI/ISO Standard C++ Library; bool not implemented; and ships the outdated "freeware" version of STL. • Choose between OWL and MFC application frameworks Visual C++ supports MFC only. • Supports all the new Microsoft standards such as MAPI, VBX, WinSock, ODBC 2.0, and OLE 2.0 Visual C++ supports new Microsoft standards, but has abandoned VBX. 	<ul style="list-style-type: none"> • Reuse more than 150,000 lines of prewritten and tested OWL 5.2 code—you write less code because OWL leverages Object-Oriented Programming Visual C++ provides significantly less prewritten code because MFC is lower level, requiring more programming (closer to the Windows API). • Quickly add database functionality with Visual Database Tools Visual C++ requires developers to learn a database API or MFC classes to access data. No visual drag-and-drop database development tools. • Automate and customize your development environment using ObjectScripting to add custom experts, productivity-enhancing features, and more! Visual C++ gives you a Component Gallery for a preset way of automating components. No ability to automate anything in the IDE or to add new features.

Borland C++ 5.0 Product Information

Borland C++ 5.0—New User	Borland C++ Development Suite 5.0—New User	Borland C++ Development Suite with Design Tools 5.0—New User
Estimated street price: u.s.\$349.95* Borland C++ 5.0 —Special Upgrade Estimated street price: u.s.\$249.95* For owners of all Borland products; owners of Microsoft Visual C++ and Visual Basic, Symantec C++, and Watcom C and C++.	Estimated street price: u.s.\$499.95* Borland C++ Development Suite 5.0 —Special Upgrade Estimated street price: u.s.\$349.95* For owners of all Borland products; owners of Microsoft Visual C++ and Visual Basic, Symantec C++, and Watcom C and C++. (\$50 [†] rebate coupon for previous owners of Borland C++)	Estimated street price: u.s.\$849.95*
Contents	Contents	Contents
<ul style="list-style-type: none"> • CD-ROM with complete online documentation • Free 16-bit hosted Borland C++ 4.5 • Free Visual Database Tools • OWL and MFC source code • Manuals: BC++ 4.5 <i>Quick Tour</i>, BC++ 5.0 <i>Quick Tour</i> and <i>Quick Reference</i>, BC++ 4.5 and Database Tools <i>Getting Started</i>, ObjectScripting <i>Programmer's Guide</i>, BC++ 5.0 <i>User's Guide</i>,[‡] BC++ 5.0 <i>Programmer's Guide</i>[‡] 	Includes everything in Borland C++ 5.0, plus: <ul style="list-style-type: none"> • CodeGuard 32/16 • PVCS Version Manager • InstallShield Express • AppAccelerator for Java • All manuals in Borland C++ 5.0, plus CodeGuard 32/16 <i>User's Guide</i> • CD-ROM with online documentation for PVCS, InstallShield Express, and Java 	Includes everything in Borland C++ Development Suite 5.0, plus: <ul style="list-style-type: none"> • Together/C++ • Complete online documentation for Together/C++
Target Audience	Target Audience	Target Audience
Novice through expert C and C++ programmers using the Windows 95 or Windows NT operating system to write applications for Windows 95, Windows NT, Windows 3.1, and/or DOS.	Corporate developers, VARs, and systems integrators. Also useful for the full range of developers from novice through expert.	Professional C++ programmers and consultants needing complete round-trip engineering solutions.

System Requirements

- Intel 486-based PC or higher
- Microsoft Windows 95 or Windows NT 3.51 or 4.0 (includes Borland C++ 4.52, which runs on Windows 95, NT, or 3.1)
- 16Mb of memory or higher (20Mb recommended)
- CD-ROM drive

Hard Disk Requirements

(may vary due to cluster size and number of options installed)

For Borland C++ 5.0:

- CD-ROM configuration (tools run from CD): 25Mb
- Typical installation: 175Mb

For Borland C++ Development Suite 5.0:

- CD-ROM configuration (tools run from CD): 25Mb
- Typical installation: 195Mb

For Borland C++ Development Suite with Design Tools:

- CD-ROM configuration (tools run from CD): 25Mb
- Typical installation: 220Mb

Borland C++ 5.0 support services

Fast Fax for Detailed Information:

1-800-408-0001

TechFax™ for Technical Information:

1-800-822-4269

Free Install Support: (408) 461-9133

For information on Assist Support Services:

1-800-523-7070, 6 A.M.–5 P.M. Pacific Time, Monday-Friday

Online Services:

- Internet: <http://www.borland.com>
- CompuServe: GO BORLAND
- Borland Download Bulletin Board Service: (408) 431-5096
- For a FREE subscription to Borland Developer Newsletter, send e-mail with message body "Subscribe <your first name> <your last name>" to majordomo@borland.com

Attention Borland resellers

- Fast Fax for information on obtaining evaluation copy order forms or collateral: 1-800-408-0001
- For more information: (408) 431-1064

Satisfaction guaranteed!

Customers can buy Borland C++ 5.0 with complete assurance. If for any reason they're not fully satisfied with their purchase, they can return it to Borland within 90 days for a full refund.

No questions asked!

*Dealer prices may vary. Educational pricing is available through Borland Authorized Educational Resellers. Call 1-800-847-7797. [†]\$50 in U.S., \$70 in Canada. [‡]Only included with New User product. Copyright © 1997 Borland International, Inc. All rights reserved. Java is a trademark of Sun Microsystems, Inc. and refers to Sun's Java programming language. All Borland product names are trademarks of Borland International, Inc. Corporate Headquarters: 100 Borland Way, Scotts Valley, CA 95066-3249, (408) 431-1000. Internet: <http://www.borland.com> CompuServe: GO BORLAND. Offices in: Australia, Canada, France, Germany, Hong Kong, Japan, Latin America, Mexico, The Netherlands, Taiwan, and United Kingdom • BOR 9965

Borland C++ 5 Development Suite

The only comprehensive, integrated suite available

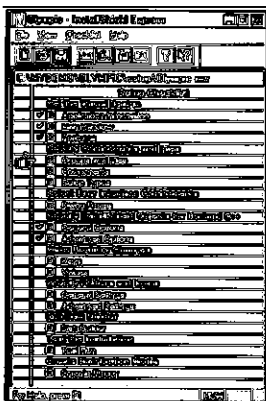
Introducing the all-in-one development suite. Speed your development process with an integrated set of five C++ and Java tools for Windows 95, NT, 3.1, and DOS.

Massive productivity gains

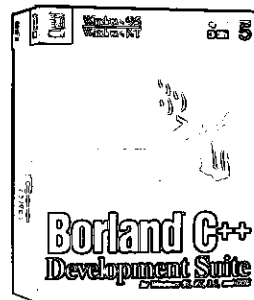
The Borland C++ Development Suite 5.0 has been designed to increase productivity at all stages of the product development process. In addition to Borland C++ 5.0, it includes four additional timesaving tools needed from prototype to deployment. Now, for the first time, you can seamlessly edit, debug, and compile Java™ and both 32- and 16-bit C and C++ code...automatically detect and diagnose C and C++ runtime bugs in your application... and manage solo or team-based changes to your source code with version control...all from within a *single integrated* environment. Then, create an installation for your new Windows 95 or Windows NT application with a point-and-click install program expert.

Only Borland brings all of these capabilities together in one package using market-leading tools: Borland C++ 5.0 with new Java environment, CodeGuard™ 32/16 automatic runtime bug detection, PVCS Version Manager, InstallShield® Express, and AppAccelerator™ for Java. At the heart of the Development Suite is Borland C++ 5.0, the latest innovation in C++ and Java environments, with an ObjectScripting programmable Integrated Development Environment (IDE).

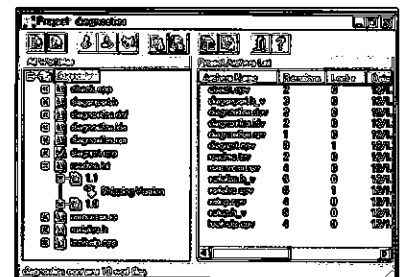
The productivity that comes from having a set of tools that span the development spectrum is now here. Speed your entire software creation process with the new Borland C++ Development Suite.



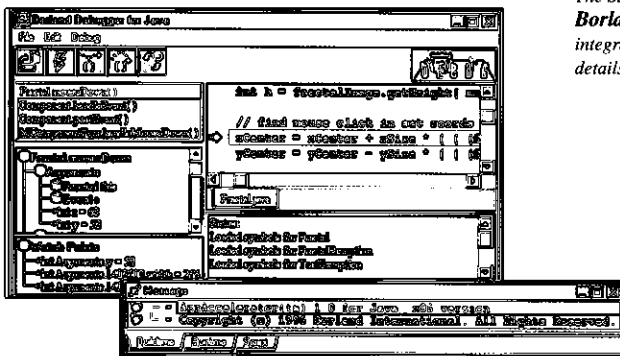
InstallShield Express delivers point-and-click professional installations on Windows 95 and Windows NT.



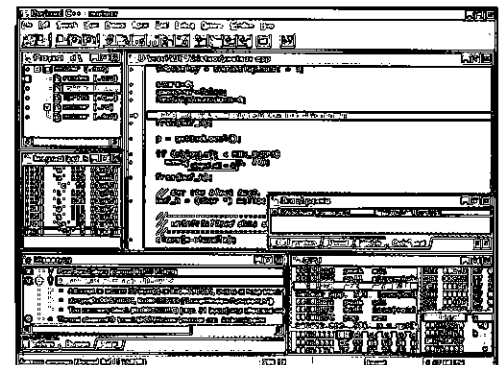
The Suite includes the complete Borland C++ 5.0 plus four more integrated tools. (Turn page for details on Borland C++ 5.0.)



PVCS Version Manager is built into the IDE for the ultimate in version control and project management.



AppAccelerator for Java speeds Java code and tools running on your x86 development machine by 5 to 10 times faster.



CodeGuard automatically and seamlessly detects, locates, and diagnoses C and C++ runtime bugs in your 32- and 16-bit applications.

Borland C++ 5

The most productive C++ for Windows 95, NT, 3.1, and DOS

With Borland C++ 5.0 you can...

- **Ease migration** to Windows 95 with parallel 32/16-bit development.
- **Use Java** to build true, multi-tiered Internet-aware, cross-platform applications.
- **Customize and extend** your environment with an ObjectScripting fully programmable IDE.
- **Reuse code** with 32- and 16-bit VBX and OCX component support.
- **Create single-source** 32- and 16-bit applications with OWL 5.0.
- **Compile MFC** source code.
- **Drag-and-drop** database components using Visual Database Tools.
- **Save time** using the multi-process 32-bit debugger with callback function source level stepping.
- **Simplify development** with the latest ANSI/ISO C++ language features including the NEW! Standard C++ Library (includes STL).
- **Visually generate** Windows 95 logo-compliant 32-bit applications.

Operating system migration

Quickly target Windows 95, NT, 3.1, and DOS all from a single 32- or 16-bit hosted environment. Preserve your investment in 16-bit standards with 32-bit support for VBX controls. And, give your 16-bit applications the Windows 95 look and feel by simply selecting a new 16-bit target using Object-Windows® Library (OWL) 5.0's Windows 95-based control emulation for Windows 3.1.

Develop 32- and 16-bit applications in parallel

NEW! Borland C++ 5.0 offers a 32-bit development environment capable of targeting the Windows 95, Windows NT, Windows 3.1, and DOS operating systems all from the same Windows 95 or Windows NT hosted IDE. Borland C++ comes with a single-source 32- and 16-bit version of OWL 5.0, both 32- and 16-bit Borland® Database Engines (BDEs), and the ability to utilize both 32- and 16-bit components like VBXs and new OLE Controls (OCXs).

Plus, we also include the award-winning 16-bit Borland C++ 4.5 and Database Tools, so you can develop under Windows 3.1 and still target all four of the above operating systems!

Deliver Windows 95 emulation on Windows 3.1 with 32/16 OWL 5.0

Easily create 32- and 16-bit Windows applications using single-source OWL 5.0, by simply selecting a new target in TargetExpert. OWL 5.0 lets you leverage the power of Windows 95 in your 16-bit Windows applications, with Windows 95-based common controls that are emulated by OWL on Windows 3.1.

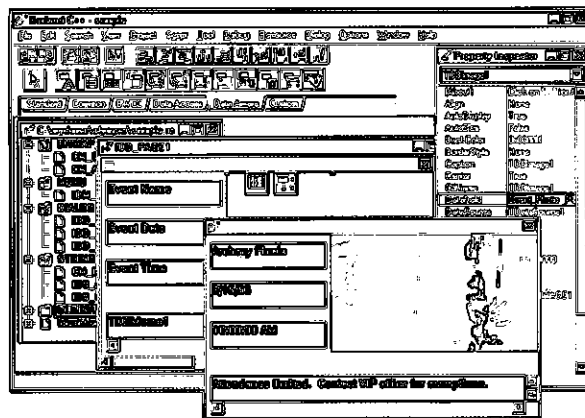
In addition to single-source OWL 5.0, you also get the same *leading-edge* C++ language

implementation for both 32- and 16-bit Windows.

Feel the speed of native 32- and 16-bit Borland Database Engines

The new 32-bit BDE turbocharges your 32-bit database applications and provides you with numerous ways to access that data, even from non-database applications! Create native database applications or turnkey value-added systems on both 32- and 16-bit Windows using BDE.

Use the new C++ object layer and new Component Object Model (COM) support for OLE Automation. Now you can access your data and integrate your C++ applications with



Visual Database Tools provide live data access from within the IDE, for fast development of professional user interfaces in your database applications.

non-database applications such as word processors, presentation software, spreadsheets, and more.

Changing standards

Get the best ANSI/ISO C++ language compliance; choose between the two most popular standard Windows application frameworks—OWL or MFC—and support all the new Microsoft standards such as MAPI, WinSock, ODBC 2.0, and OLE 2.0.

Extend Windows 95 with OWL 5.0

OWL 5.0 supports standards like the Windows 95-based common controls and picks up where those standards leave off, to increase your coding productivity. In addition to encapsulations of Windows 95-based controls, and standard APIs like WinSock, MAPI, and others, OWL 5.0 also gives you splash screen, dockable toolbar, print preview, animation, splitter window, and DIB window objects to make your development easier.

NEW! Microsoft Foundation Class (MFC) library compilation support

Now you can easily build the MFC library—versions 3.2 and 4.0—using Borland C++! We provide a compiler-independent patch to MFC for use with either Borland C++ or Visual C++. Plus, Borland C++ compiler support for Visual C++ language extensions makes it easier than ever to use Visual C++ source code in Borland C++. Now Borland C++ 5.0 users get to choose the application framework they want or need to work with.

Borland C++ 5.0 provides the most complete ANSI/ISO C++ implementation

Begin using the new Standard C++ Library in your applications today—building the standard applications of tomorrow. The Standard C++ Library consists of C++ classes such as string, complex, and numeric limits, and the Standard Template Library (STL) which consists of container and iterator classes.

Get new ANSI/ISO C++ language features to make your development easier, with keywords such as namespace, which eliminates name conflicts between an application

and libraries when both use namespaces. Plus, get other new language features such as `bool`, `explicit`, `mutable`, and `typename`.

Faster development

Massive productivity gains are yours with Borland C++ 5.0. Take advantage of 150,000 lines of prewritten and tested OWL 5.0 and supporting classes. Use Visual Database Tools to create RAD database applications. Automate and customize your development environment using ObjectScripting.

Experience the freedom of a fully programmable IDE

The new Borland C++ 32-bit hosted IDE can now be custom-tailored to fit your individual or corporate standards using ObjectScripting. Add custom experts, productivity-enhancing features, and more!

With ObjectScripting, you can completely customize the IDE using 23 classes with more than 600 methods and properties, useful to automate tedious manual processes, integrate tools and utilities into the IDE, and even add new custom features. ObjectScripting puts all this power in your hands by giving you access to the very same objects used by Borland's developers to build the IDE. The IDE Class Library contains almost two dozen IDE objects, including *Editor*, *TransferOutput*, *EditBuffer*, *EditWindow*, *StackFrame*, *ScriptEngine*, *KeyboardManager*, *EditOptions*, *ProjectNode*, *Debugger*, and more!

With the power of ObjectScripting, the only limit to productivity is your imagination!

Boost productivity through code and component reuse

Only the advanced technology in Borland C++ supports C++ objects, VBX controls, and OLE Controls (OCXs) in both 32- and 16-bit Windows applications. This allows you to reuse a wealth of objects and controls to quickly develop 32- and 16-bit applications.

You can also protect any investment you have in VBX controls using Borland C++ 5.0. Only Borland C++ 5.0 offers VBX support for your 32-bit applications so you aren't forced to integrate new OCXs just to port

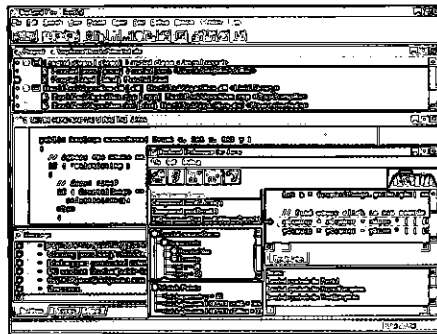
Integrated Java environment

Borland's award-winning C++ IDE now includes an integrated "add-on" environment for Java, plus the Development Suite includes AppAccelerator to speed Java code 5 to 10 times faster. Develop cross-platform code, debug using a new GUI debugger (itself written in Java), and accelerate all Java applications and applets running on your machine with this revolutionary Java language toolset!

Borland C++ 5.0 supports major industry standards, including new emerging standards such as Sun Microsystems' Java language. With Borland C++ integrated tools for Java, developers can easily create true cross-platform, Internet-aware, multi-tiered applications. Borland C++ developers can easily build client/server applications and components by using their C++ knowledge to leverage the robust and compact Java syntax.

The Java language from Sun Microsystems has already begun to revolutionize the way corporations and individuals build Internet-aware applications and components.

Because C++ and Java are closely related languages, it makes sense that Borland is the first to deliver a truly comprehensive set of Java-based tools.



The Borland integrated Java environment provides a complete solution for Java development, including the only GUI debugger for Java. (It's even written in Java.)

Key features of the Borland C++ integrated Java environment

- Develop cross-platform code to run on many popular operating systems.
- Build on powerful Internet support included with the integrated Java Development Kit (JDK).
- Debug using the GUI Java debugger (written in Java), with breakpoints, watch window, and more.
- Quickly target and build applications and applets with integrated TargetExpert and AppExpert for Java.
- Click on an error message in the IDE and go directly to the line of code reported by the Java compiler.
- Edit applications and applets with color syntax highlighting of Java source code.
- Take advantage of the complete Sun Microsystems' JDK, including binary redistributables.
- Enjoy blistering fast Java code execution speeds with AppAccelerator (only in the Development Suite).

Borland C++ 5

your existing 16-bit applications to 32-bit Windows.

Design databases intuitively with drag-and-drop Visual Database Tools

Creating database applications is as easy as pointing and clicking. Create database applications by simply dragging a component onto your UI in the integrated resource editor and setting its properties. Test your application right there, because you can access *live data* from inside the IDE!

Choose from a multitude of data-aware and data-access components designed with

Borland's own state-of-the-art Delphi™ development system in mind. At Borland, code and component reuse isn't just talk, because our Visual Database Tools truly reuse native high-performance Delphi components.

New integrated 32-bit debugging with callback function source level stepping

The **NEW!** 32-bit integrated debugger featuring *CPU view* provides low-level assembly code debugging detail.

It features source, module, OS exception, C++ exception, and thread breakpoints, plus the only multiple thread *and* multiple process

integrated debugging available! Multi-process debugging provides you with the flexibility and power you need to debug new 32-bit applications, including inter-object programming issues that arise when using OLE 2.0, threads, and semaphores. Plus, with a revolutionary new feature that event-driven code designers have wanted for ages, you can now "step into" operating system calls (Windows APIs) and have the thread of execution follow you back into source statements when your code is reentered by the OS (i.e., by a callback function)!

CodeGuard 32/16

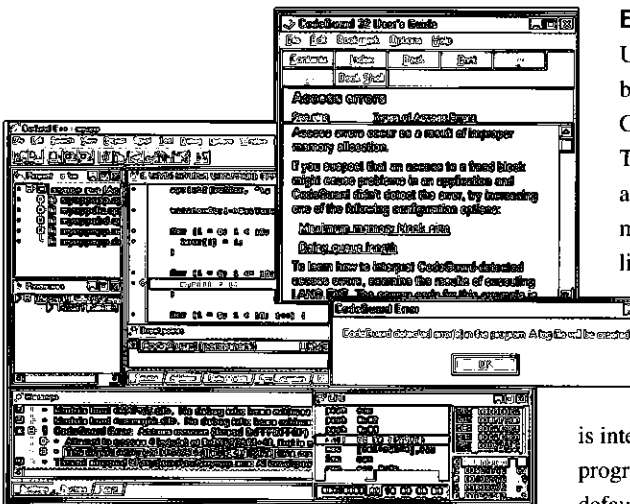
CodeGuard plays an integral part in the Borland C++ Development Suite by automatically detecting, then locating and diagnosing hard-to-find C and C++ memory bugs, plus Windows and RTL resource bugs. Easily pinpoint the most aggravating and elusive bugs in your 32- and 16-bit Windows applications without changing a single line of code.

Key benefits of CodeGuard

- Automatically pinpoint many kinds of C and C++ memory bugs, including pointer arithmetic bugs in *your* code (not just API calls).
- Develop higher quality applications at each stage of development, from prototype through release.
- Slash development time, as well as quality assurance, technical support, and most importantly, end-user time and frustration.
- Work directly within the IDE, allowing you to detect, locate, and investigate bugs as they occur, and to fix them on the spot.
- Save hours, days, and even weeks of manual debugging time.

Write cleaner code faster

There's a fast, easy way to rid your 32- and 16-bit C and C++ applications of aggravating bugs, without writing volumes of code and without tediously stepping through code line-by-line. New CodeGuard, in conjunction with Borland C++ 5.0, automatically locates and



Quickly create high-quality applications using CodeGuard 32/16, a seamless part of the Borland C++ Development Suite IDE.

diagnoses bugs virtually impossible to isolate using other means, automatically detecting memory overruns, invalid 32-bit pointer references and bad pointer arithmetic, uninitialized data accesses, and hard-to-locate memory leaks without you ever having to write a line of code. Check operations most vulnerable to memory corruption, including new/delete mismatches, array index overruns, the most troublesome Windows API memory and resource-related calls, and many other heap, stack, and data segment corruptions, by simply selecting a few radio buttons.

Easy to use

Using CodeGuard couldn't be easier. Simply select the CodeGuard option in the IDE's TargetExpert and rebuild your application. Or, set the command-line compiler option, link with the CodeGuard library, and run your application—no additional coding required.

Because CodeGuard is integrated into the IDE, programmers will tend to run it by default. This means bugs are found now rather than later—eliminating

backlogs of unfixed bugs that would otherwise develop.

Seamless integration

CodeGuard displays detected errors in the IDE message window. You get detailed data on each bug, including type of error, a brief description, source code line, and more. To fix the bug, double-click on the error message and you're taken directly to the offending line of code. Another click will even take you to the source of the original memory allocation, when applicable! Command-line users can inspect the detailed log file with all of the above information, plus call stack and adjacent source code lines, as well.

Borland C++ 5

PVCS Version Manager

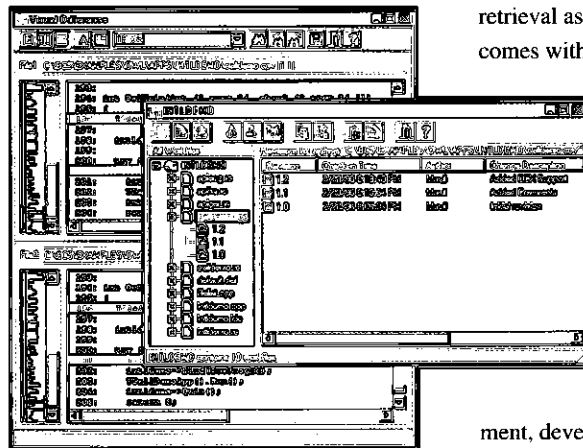
Use version control to better understand and manage your solo or team development process. Check-in code, check-out code, review revision logs, and retrieve old versions.

Protect all of your work, right from the IDE.

PVCS Version Manager, the world-standard version control system, has been tightly integrated into the Borland C++ development environment. This allows you to easily take advantage of version control features without learning new tools or changing your work habits.

Key benefits of PVCS Version Manager

- Manage your project better by keeping a complete history of revisions to your code.
- Protect your code by safeguarding against concurrent updates.
- Work faster no matter how small or large your team is.
- Now even the smallest projects can have the benefits only large-scale teams have taken advantage of before.



Easily manage source code changes with built-in PVCS Version Manager, including support for check-in, check-out, version labeling, and full-color visual comparisons of revisions.

Improve control and the quality of your development projects

PVCS lets you easily view the history of modifications made to an application's source files. It permits changes or reconstruction of any previous versions of a module or the entire source code tree. You can include version labeling to mark sets of files for later

retrieval as "beta," "release," etc. PVCS also comes with full-color visual differencing of versions to help you pinpoint changes to your code.

Increase the return on your software and hardware investments

PVCS adapts to existing development cultures so developers can be more productive. Now that PVCS is built right into the environ-

ment, developers don't have to go any further than their own familiar IDE.

Easy to use

PVCS Version Manager stores changes made to a project in a special file called an *archive*. Archives can contain files of any type, such as source code, executables, utilities, and documentation files. No matter where your team is located or what types of files they're working on, Borland's customizable IDE now gives you complete control with a visual representation of your project.

InstallShield Express

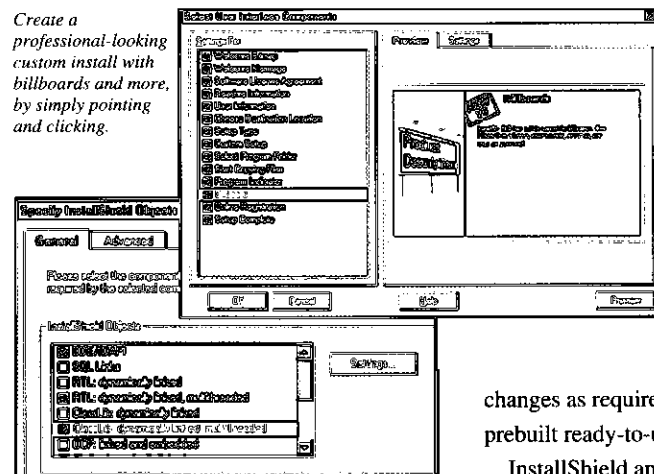
Now for the first time, a truly easy-to-use install expert makes it easy to create professional installations for your software, and it's now available from the Borland C++ IDE.

InstallShield Express is based on a new generation of technology that allows you to create a professional installation for Windows 95 and Windows NT applications through a visual point-and-click interface.

Key benefits of InstallShield Express

- Simplify the creation of install and uninstall for all of your applications.
- Unlike other installation tools, there's no need to write and debug complex scripts. Everything is point-and-click.
- Use for production-quality work or for quick "one-off" projects.

Create a professional-looking custom install with billboards and more, by simply pointing and clicking.



Easily create setup programs which include Borland redistributable files, including the RTL, OWL, OCF, and the Borland Database Engine (BDE).

Easy to use

InstallShield uses an interview metaphor to walk you through the installation process. Step through each entry in the Setup Checklist.

It lets you visually build disks, test the installation, and create distribution masters. You can specify components and files and create setup types. Quickly set up program folders and new files. Make system file changes and registry

changes as required. Or if you prefer, use 13 prebuilt ready-to-use dialog boxes.

InstallShield analyzes Borland C++ 5.0 project files to determine additional files needed. InstallShield Objects make it easy to also include third-party files. It lets you automatically include a Windows 95 logo—required uninstall with just one mouse click. Finally, complete your project with the included disk compression and disk splitting features.

Award-winning Borland C++ 5.0

Complete support for Windows 95 and NT

- Easily create Win95 logo-compliant applications.
- FREE! OLE Controls (OCXs) for: graphing, charting, spreadsheet, and spell-check!

Fully programmable environment

- Save time and boost productivity by extending your IDE with NEW! ObjectScripting.
- Use 600+ methods and properties on objects like: Editor, Debugger, ProjectNode, etc.

Parallel Windows 95/NT/3.1 development

- Quickly deliver native Windows 95, NT, and 3.1 applications from a single environment.
- Get 32/16 OWL, plus component support for NEW! OCXs and VBXs.

Latest ANSI/ISO C++ language features

- Utilize NEW! Standard C++ Library, including the Standard Template Library (STL).
- Use exceptions, templates, RTTI, plus NEW! namespaces, bool, explicit, mutable, and more.

OWL 5.0, plus new MFC library support

- Take advantage of MFC with a compiler-independent patch that allows MFC to be built with either Borland C++ or Visual C++. Support for Visual C++ language extensions, too.
- NEW! Create Windows 95 logo-compliant applications with OWL 5.0, plus get NEW! emulation of Win95 controls for Win3.1.

Visual database development

- Access live data from inside the IDE!
- Drag-and-drop development using native 32- and 16-bit Borland Database Engines.

CodeGuard 32/16 bug detection

- Automatically locate and diagnose hard-to-find memory and resource bugs.
- Easily pinpoint aggravating and elusive bugs without changing a single line of code.
- NEW! Validate pointers and pointer arithmetic anywhere, even between API calls!
- NEW! Validate Windows resource handles used in the most troublesome API calls.

Integrated PVCS Version Manager

- Manage and protect all of your work (group or solo) with a completely integrated version control system, featuring a visual source tree browser.
- Check-in code, check-out code, label revisions for release, and retrieve old versions.
- Generate detailed management reports.
- Visually compare versions in full color.

Visual point-and-click

InstallShield Express

- Easily create installations for your software using the NEW! install expert from the Borland IDE tool menu.
- Save time with prebuilt dialog boxes.
- Layout, test, install, and create master disks.
- Automatically get Win95 uninstall support.

Integrated Java programming tools, including GUI debugger

- Develop cross-platform code to run on many popular operating systems.
- Build on the powerful Internet support included with the Java Development Kit.
- Debug your Java code using the graphical Java debugger (itself written in Java).
- Speed up Java code running on your development machine by 5 to 10 times with AppAccelerator for Java (only included with the Development Suite).

Why Borland C++ Is Better than Visual C++

	Borland C++ 5.0	MS Visual C++ 4.0
Creates Windows 95, NT, 3.1 and DOS applications from a single IDE	✓	
Industry's fastest combined compile and link times	✓	
Includes 16-bit hosted tools for developers using Windows 3.1	✓	✓
Creates 32- and 16-bit OLE 2.0-based applications	✓	
Visual point-and-click expert-based code generation	✓	✓
ODBC driver levels 1 and 2 support	✓	✓
Native 32-bit Windows 95 and Windows NT hosted IDE	✓ New!	✓
Multi-threaded IDE for fast, seamless background compilation	✓ New!	✓
ObjectScripting fully programmable and OLE 2.0 automated IDE	✓ New!	
Integrates third-party tools with ObjectScripting, DLLs, and OLE Automation	✓ New!	
MFC compilation support	✓ New!	✓
Intel-engineered optimizer for Pentium® and Pentium® Pro code generation	✓ New!	
Namespaces and bool from ANSI/ISO C++ latest standard	✓ New!	(1)
Standard C++ Library from ANSI/ISO C++ latest standard, including STL!	✓ New!	(2)
RAD visual design components for the Borland Database Engine (BDE)	✓ New!	
32-bit BDE with enhanced SQL support	✓ New!	
Creates 32- and 16-bit VBX levels 1, 2, and 3 (data-aware) control containers	✓ New!	
Creates 32- and 16-bit OLE Control (OCX) containers	✓ New!	(3)
Emulation of Windows 95-based UI controls in your Windows 3.1 application	✓ New!	
Free integrated tools for Java including a GUI Java source code debugger	✓ New!	
Borland C++ Development Suite 5.0 includes all of the above, plus:		
AppAccelerator for five to ten times performance gains running Java code	✓ New!	
Instant visual "installs" with prebuilt dialogs, disk layout, compression, and more	✓ New!	
Automatic Win95 uninstall support using InstallShield, with just one click	✓ New!	
CodeGuard now checks <i>your</i> code (not just APIs) for bad pointers, and more	✓ New!	
Bug detection in 32- and 16-bit code, with multiple EXEs, DLLs, threads, etc.	✓ New!	
PVCS full-color visual differencing to compare versions of your code	✓ New!	
Label sets of source files with PVCS for "beta," "release," etc.	✓ New!	

¹ Only namespaces, no bool implementation ² Old shareware STL ³ 32-bit only

System Requirements

- Intel 486-based PC or higher
- Microsoft Windows 95 or Windows NT 3.51 (included Borland C++ 4.52 runs on Windows 95, NT, or 3.1)
- 16Mb of memory (20Mb or more recommended)
- CD-ROM drive (3.5" disks available for an additional fee)

Approximate Hard Disk Requirements

(may vary due to cluster size and number of options installed)

Borland C++ Development Suite 5.0

- CD-ROM configuration (all tools run from CD): 25Mb
- Typical installation: 120+Mb
- Full installation: 195Mb

Borland C++ 5.0

- CD-ROM configuration (all tools run from CD): 25Mb
- Typical installation: 100+Mb
- Full installation: 175Mb