

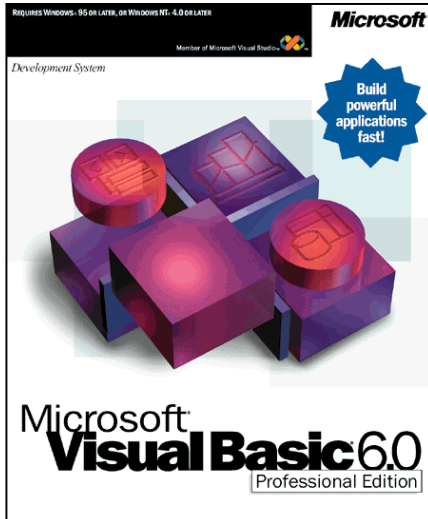


Microsoft®

# Microsoft® Visual Basic® 6.0



Member of Microsoft Visual Studio™



**Microsoft Visual Basic 6.0 helps developers build business and Web-based solutions easily. Integrated Visual Database Tools and a RAD environment promote productivity, while native code compilation provides fast applications. With Learning, Professional, and Enterprise editions, Visual Basic 6.0 meets the needs of any developer.**

## Product Highlights

*Microsoft Visual Basic development system is the most productive tool for creating fast business solutions for Windows® and the Web. A comprehensive, rapid application development environment helps developers quickly create and deploy client/server applications, plus easily program for the Internet using familiar Visual Basic programming tools and techniques.*

## Tap into productivity and performance.

Program with the world's most popular programming language to quickly create high-performance applications and components in a RAD environment.

Build fast, native-code applications and components that use the same world-class compiler technology as in the Microsoft Visual C++® development system. Applications can be optimized for speed and size and in many other ways to improve performance even more.

Make your applications and components thread-safe without the rigors of manual thread management.

Increase development speed and productivity with IntelliSense® Technology. On-the-fly syntax and statement completion using features such as Complete Word, Quick Info, and DataTips®.

Easily create a broad range of COM-based components, including ActiveX® Controls as well as middle-tier and server-side components.

Use your Visual Basic skills in the Microsoft Office 97 suite and in third-party applications that license Microsoft Visual Basic Applications Edition.

## Easily create data-centric applications.

Quickly develop rich data forms, or use the new integrated Report Writer to develop sophisticated, hierarchical reports, all with drag-and-drop ease.

Create reusable data access components using the new Data Environment for use across multiple projects, in other development tools, or on the Web that automatically take advantage of data binding.

Build a wide variety of applications for the mobile user. Write client/server applications that work with databases whether or not they are connected to a LAN or to the Web. Visual Basic 6.0 now supports the Microsoft universal data access interface with ActiveX Data Objects (ADO) version 2.0.

Achieve a new level of productivity when working with hierarchical data with the enhanced FlexGrid control. Easily display master-detail data in a way that allows you to expand, collapse, hide, or show information.

## Increase efficiency with integrated Visual Database Tools.

Use the comprehensive, newly integrated Visual Database Tools to perform your most common database activities without leaving Visual Basic.

View tables, modify data, and create SQL queries within the development

environment for any ODBC- or OLE DB compliant database.

Use the fully integrated database designer to visually design and modify live database schemas and other objects for Microsoft SQL Server™ 6.5+ and Oracle 7.3.3+ databases.

Use the Query Designer to visually create queries and perform sophisticated database tasks without having to learn the SQL language.

Create, edit, and modify stored procedures, all from within the Visual Basic environment. As in the Visual Basic code editor, SQL syntax is color-coded and immediately checked for correctness. This makes the SQL code easier to read and less prone to errors.

Interactively debug Microsoft SQL Server 6.5 or later stored procedures and triggers at the same time, and on the same workstation, as you develop and debug your applications.

## Start building Internet applications today.

Use the experience you've gained programming Windows-based applications in a RAD environment to move your code and applications to the Web.

Build Web applications and components running on Microsoft Internet Information Server that are accessible from any browser on any platform.

Deploy Internet applications and components quickly and easily using the Package and Deployment wizard.

## Experience enhanced Internet functionality with Dynamic HTML.

Benefit from rich presentation support, including dynamic layout, graphical transitions, robust typography, scrolling and automatically resizing forms, and more.

Create event-driven Dynamic HTML pages for use in Microsoft Internet Explorer 4.0. The new Dynamic HTML Page Designer lets you program highly interactive Web pages as easily as a Visual Basic form.

Distribute software automatically and leverage both Dynamic HTML and the browser user interface.

Easily integrate the Web, including Dynamic HTML pages, into Visual Basic applications using Internet Explorer 4.0 WebBrowser Control.

## Achieve scalability in the Enterprise.

Build on a world-class platform using the power and reliability of industry-standard tools. Microsoft Visual Basic tightly integrates with the Microsoft BackOffice® family, which provides a dependable and safe environment for robust enterprise applications, whether stand-alone, for intranets, or for the Internet.

Take advantage of the Windows NT® platform. Provide native code applications for systems that run on Windows 95 and Windows NT operating systems, including Intel and DEC Alpha platforms.

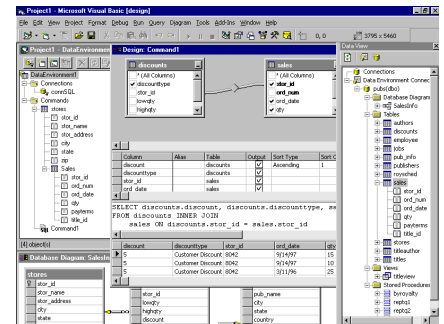
Visually model complex application architectures and component interfaces with the easy-to-use Visual Modeler. The Visual Modeler also generates code and lets you regenerate code as you evolve and refine your models.

Build better solutions using the Windows NT Option Pack. Microsoft Transaction Server 2.0, Microsoft Internet Information Server 4.0, and Microsoft Message Queue Server let you build sophisticated, multiuser business applications for the Web, a LAN, or both.

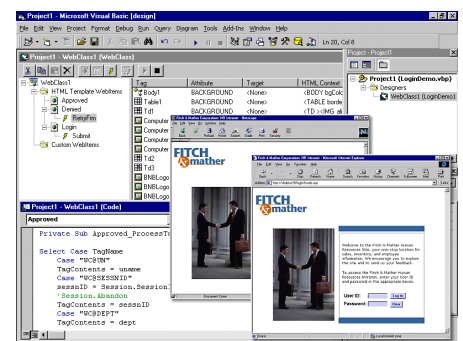
Use Microsoft SQL Server 6.5 Developer Edition, a scalable, high-performance database management system for Windows NT based systems, to prototype and test enterprise applications.

Secure your source code using Microsoft Visual SourceSafe™.

Visual SourceSafe provides an easy-to-use, secure, project-oriented version control. Now any size team can increase productivity and easily protect documents, source code, and content for the Web or PC.



Visual Basic 6.0 provides integrated Visual Database Tools such as table view, query designer, and the database designer all accessible without leaving Visual Basic.



With Visual Basic 6.0, you can create powerful applications for the Internet, accessible from any browser on any platform.

| Feature                                                            | What it can help you do                                                                                                                                                                                                                                                                                        | Enterprise Edition | Professional Edition | Learning Edition |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|------------------|
| <b>Visual Basic Applications Edition</b>                           | Use your Visual Basic skills in Microsoft Office 97 and third-party applications that license Visual Basic Applications Edition.                                                                                                                                                                               | ✓                  | ✓                    | ✓                |
| <b>Rich set of standard controls</b>                               | Save development time by using controls such as a Web browser, data-bound grid, file list box, drive list box, common dialog, check box, and combo box, as well as many others.                                                                                                                                | ✓                  | ✓                    | ✓                |
| <b>Learn Visual Basic Now</b>                                      | Get a head start on the learning process with a self-paced, instructional CD-ROM that includes multimedia video lessons, and hands-on lab exercises.                                                                                                                                                           |                    |                      | ✓                |
| <b>Optimizing native code compiler</b>                             | Build native code applications and components that leverage the world-class Microsoft Visual C++ compiler technology.                                                                                                                                                                                          | ✓                  | ✓                    |                  |
| <b>Support for Internet Information Server Applications</b>        | Create powerful applications for the Internet, accessible from any browser on any platform.                                                                                                                                                                                                                    | ✓                  | ✓                    |                  |
| <b>Dynamic HTML Page Designer</b>                                  | Write applications that take full advantage of Dynamic HTML and Internet Explorer 4.0.                                                                                                                                                                                                                         | ✓                  | ✓                    |                  |
| <b>Enhanced support for Microsoft SQL Server and Oracle</b>        | Use the improved data programming environment and native OLE DB providers when working with Microsoft SQL Server 6.5+ and Oracle 7.3.3+ databases.                                                                                                                                                             | ✓                  | ✓                    |                  |
| <b>ADO (ActiveX Data Objects)</b>                                  | Easily access local or remote data across a LAN or the Internet.                                                                                                                                                                                                                                               | ✓                  | ✓                    |                  |
| <b>Data Environment Designer</b>                                   | Quickly develop reusable data-access components with drag-and-drop ease.                                                                                                                                                                                                                                       | ✓                  | ✓                    |                  |
| <b>Mobile computing support</b>                                    | Give mobile users greater flexibility: write client/server applications that work with databases whether or not a connection exists with a LAN or the Web.                                                                                                                                                     | ✓                  | ✓                    |                  |
| <b>Middle-tier and server-side component creation</b>              | Create high-performance, thread-safe components for maximum scalability.                                                                                                                                                                                                                                       | ✓                  | ✓                    |                  |
| <b>Custom data source creation</b>                                 | Create reusable data-source components that encapsulate your proprietary or legacy data.                                                                                                                                                                                                                       | ✓                  | ✓                    |                  |
| <b>Drag-and-drop report and form creation</b>                      | Quickly build sophisticated data forms and reports by dragging elements from the Data Environment without writing any code.                                                                                                                                                                                    | ✓                  | ✓                    |                  |
| <b>Visual Component Manager</b>                                    | Find, track, catalog, and reuse application components.                                                                                                                                                                                                                                                        | ✓                  | ✓                    |                  |
| <b>Microsoft Transaction Server 2.0 Developer Edition</b>          | Achieve maximum run-time scalability and component transaction integrity when developing sophisticated, secure, multiuser business applications.                                                                                                                                                               | ✓                  | ✓                    |                  |
| <b>Microsoft Transaction Server Debugging</b>                      | Interactively debug distributed application components running on Microsoft Transaction Server.                                                                                                                                                                                                                | ✓                  | ✓                    |                  |
| <b>Microsoft Internet Information Server 4.0 Developer Edition</b> | Develop Web-based solutions using a complete Web server for publishing and sharing information.                                                                                                                                                                                                                | ✓                  | ✓                    |                  |
| <b>Professional Visual Database Tools</b>                          | View database tables and views, and modify data in any ODBC- or OLE DB compliant database, and rapidly create SQL queries within the development environment.                                                                                                                                                  |                    | ✓                    |                  |
| <b>Enterprise Visual Database Tools</b>                            | View database tables and views, and modify data in any ODBC- or OLE DB compliant database, and rapidly create SQL queries within the development environment. Visually design and modify database schemas and objects, including stored procedures, for Microsoft SQL Server 6.5+ and Oracle 7.3.3+ databases. | ✓                  |                      |                  |
| <b>Data Object wizard</b>                                          | Simplify the creation of COM-based data-access components and reduce your development time by automatically generating the necessary code to handle the interaction with stored procedures, data binding, and data display.                                                                                    | ✓                  |                      |                  |
| <b>Visual Modeler</b>                                              | Visually plan and model complex application architectures and component interfaces—regenerate code as models are refined.                                                                                                                                                                                      | ✓                  |                      |                  |
| <b>Native DEC Alpha support</b>                                    | Build high-performance, scalable applications and components that run natively on DEC Alpha.                                                                                                                                                                                                                   | ✓                  |                      |                  |
| <b>Transact SQL (TSQL) debugger</b>                                | Interactively debug Microsoft SQL Server 6.5+ stored procedures and triggers at the same time, and on the same workstation.                                                                                                                                                                                    | ✓                  |                      |                  |
| <b>Microsoft SQL Server 6.5 Developer Edition</b>                  | Develop and test enterprise database applications with a scalable, high-performance database management system for Windows NT based systems.                                                                                                                                                                   | ✓                  |                      |                  |
| <b>Microsoft Visual SourceSafe 6.0</b>                             | Use the Microsoft Visual SourceSafe version control system to collaborate, share, and secure source code with your team for Windows-based and Web development.                                                                                                                                                 | ✓                  |                      |                  |

## Specifications

### To run Visual Basic 6.0 Enterprise Edition, you need:

- PC with a Pentium-class processor; Pentium 90 or higher processor recommended
- Microsoft Windows 95 or later operating system or Microsoft Windows NT operating system version 4.0 with Service Pack 3 or later (Service Pack 3 included)
- 24 MB of RAM for Windows 95 or later (32 MB recommended); 24 MB for Windows NT 4.0 (32 MB recommended)
- Microsoft Internet Explorer 4.01 Service Pack 1 (included)
- Hard-disk space required:
  - Typical installation: 116 MB
  - Maximum installation: 135 MB
- Additional hard-disk space required for the following products:
  - Internet Explorer: 43 MB typical, 59 MB maximum
  - MSDN™: 57 MB typical, 493 MB maximum
  - Microsoft Windows NT 4.0 Option Pack: 20 MB for Windows 95 or later; 200 MB for Windows NT 4.0
- Microsoft SQL Server 6.5 and Microsoft SNA Server 4.0 run on Windows NT 4.0 only, and require the following additional hard-disk space:

- SQL Server: 80 MB typical, 95 MB maximum
  - SNA Server: 50 MB typical, 100+ MB maximum
- CD-ROM drive  
VGA or higher-resolution monitor; Super VGA recommended  
Microsoft Mouse or compatible pointing device

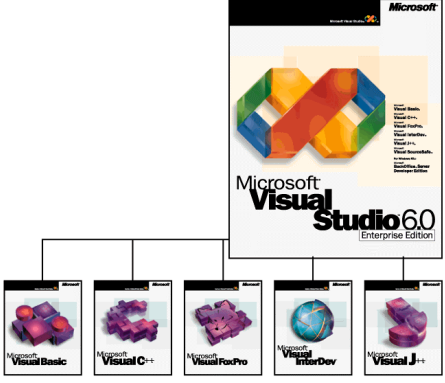
### To run Visual Basic 6.0 Professional Edition, you need:

- PC with a 486DX/66 MHz or higher processor; Pentium or higher processor recommended
- Microsoft Windows 95 or later operating system or Microsoft Windows NT operating system version 4.0 with Service Pack 3 or later (Service Pack 3 included)
- 16 MB of RAM for Windows 95 or later (32 MB recommended); 24 MB for Windows NT 4.0 (32 MB recommended)
- Microsoft Internet Explorer 4.01 Service Pack 1 (included)
- Hard-disk space required:
  - Typical installation: 76 MB
  - Maximum installation: 94 MB
- Additional hard-disk space required for the following products:
  - Internet Explorer: 43 MB typical, 59 MB maximum
  - MSDN: 57 MB typical, 493 MB maximum
  - Microsoft Windows NT 4.0 Option Pack: 20 MB for Windows 95 or later; 200 MB for Windows NT 4.0

- CD-ROM drive
- VGA or higher-resolution monitor; Super VGA recommended
- Microsoft Mouse or compatible pointing device

### To run Visual Basic 6.0 Learning Edition, you need:

- Multimedia PC with a 486DX/66 MHz or higher processor; Pentium or higher processor recommended
- Microsoft Windows 95 or later operating system or Microsoft Windows NT operating system version 4.0 with Service Pack 3 or later (Service Pack 3 included)
- 16 MB of RAM for Windows 95 or later; 24 MB for Windows NT 4.0
- Microsoft Internet Explorer 4.01 Service Pack 1 (included)
- Hard-disk space required:
  - Typical installation: 52 MB
  - Maximum installation: 65 MB
- Additional hard-disk space required for the following products:
  - Internet Explorer: 43 MB typical, 59 MB maximum
  - MSDN: 57 MB typical, 493 MB maximum
  - *Learn Visual Basic Now*: 16 MB including labs
- CD-ROM drive
- VGA or higher-resolution monitor; Super VGA recommended
- Microsoft Mouse or compatible pointing device



Build mission-critical enterprise solutions with Microsoft Visual Studio™ 6.0 Enterprise Edition, the complete development suite. It includes:

- Microsoft Visual Basic Enterprise Edition development system
- Microsoft Visual C++ Enterprise Edition development system
- Microsoft Visual FoxPro Enterprise Edition database development system
- Microsoft Visual InterDev™ Enterprise Edition Web development system
- Microsoft Visual J++™ Enterprise Edition development system for Java
- Microsoft Visual SourceSafe version control system
- Microsoft BackOffice Server Developer Edition



For more information about Microsoft Visual Basic, visit <http://msdn.microsoft.com/vbasic/>

For the latest developer news and more information on Microsoft's broad range of resources for developers, including support programs, events, training, and the MSDN Library Online, visit MSDN Online at <http://msdn.microsoft.com/>

### TO ORDER:

To order Microsoft Visual Basic or other Microsoft visual tools, or to receive a reseller referral, in the United States or Canada, call (800) 621-7930, Dept. A334DS. Outside the United States and Canada, please contact your local Microsoft subsidiary. Customers who are deaf or hard-of-hearing can reach Microsoft text telephone (TTY/TDD) services by calling (800) 892-5234 (in the United States) or (905) 568-9641 (in Canada).

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