

# CA-Visual Objects® 2.7

Object-Oriented Client/Server Development

*CA-Visual Objects is a fully object-oriented 32-bit development environment for creating sophisticated business applications and components that run under Microsoft Windows 9x, NT, 2000 and XP operating systems. CA-Visual Objects couples the flexibility and ease-of-use of object programming with powerful visual development tools and repository-based application management. Its intuitive design and native code Xbase language enable the development of feature-rich client/server and Internet applications.*

## The Power To Solve Business Challenges, Today And Tomorrow

As technology speeds ahead, businesses of all sizes are forced to solve more and more difficult challenges to remain competitive. These challenges include moving to the Web for greater accessibility, creating modern graphical interfaces to increase productivity, and leveraging existing data and business logic to reduce costs and provide more power to applications. Fortunately, just as technology quickens the pace for these companies, it also provides a product to create business applications that tackle these challenges, and creates a competitive edge that enables them to successfully compete in the marketplace. This product is CA-Visual Objects — the ultimate object-oriented application development environment for Windows platforms.

CA-Visual Objects empowers developers and programming teams with a comprehensive application development system that is easy to use, uniquely powerful, and provides the control required by corporate and independent developers.

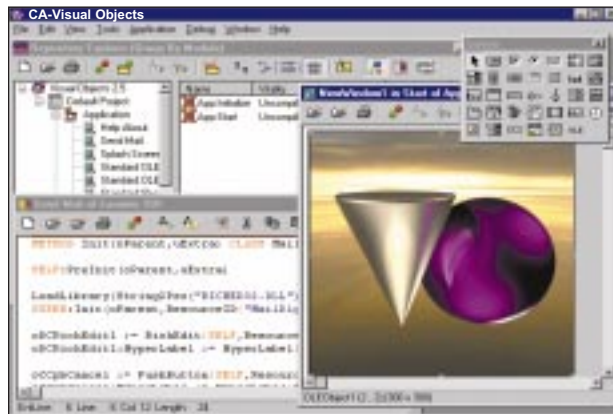
## Full-Featured Object-Oriented Development System

CA-Visual Objects provides a robust, extensible, 32-bit object-oriented development language that enables developers to create mission-critical Windows client/server and Internet applications and components. CA-Visual Objects enhances productivity by combining the benefits of object-oriented programming—such as inheritance, polymorphism, and encapsulation—with robust visual design tools and automatic code generation. Included with CA-Visual Objects is an extensive array of class libraries that support GUI programming, database management, support for industry standards, integration of existing logic, and more. In addition, developers can create their own classes and methods, ensuring that applications can be designed to meet specific organizational requirements.

## Key Benefits

CA-Visual Objects offers numerous facilities, empowering developers to:

- Manage the entire development process from within its powerful, integrated development environment.
- Integrate directly with Jasmine® for seamless storage and access of complex data, and SQL and DBF-compliant data sources for traditional data.
- Quickly develop Web-based extensions and Windows client/server applications.
- Take advantage of industry standards to enhance applications and provide transparent data access.
- Integrate with Microsoft Visual SourceSafe for source code control.
- Perform just-in-time debugging, helping to ensure flawless production execution.

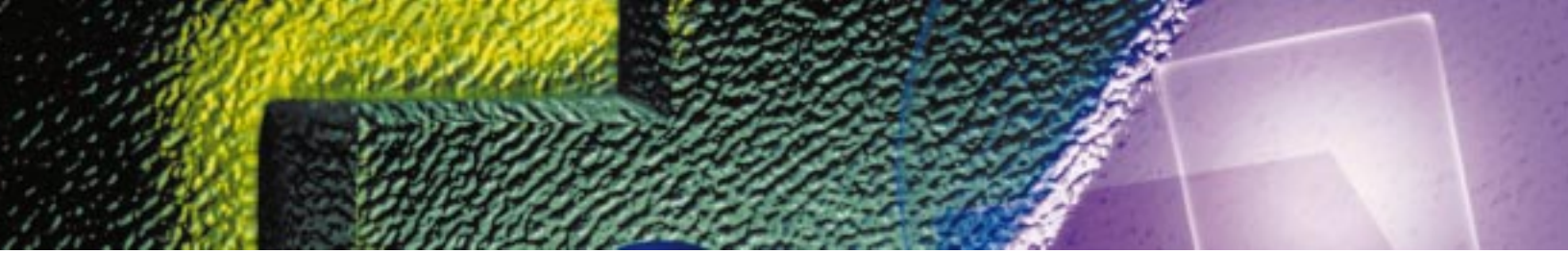


*CA-Visual Object's Integrated Development Environment provides a central point of control for the entire spectrum of available features.*

## CA-Visual Objects Puts Developers In Command

CA-Visual Objects provides all the tools developers need to create virtually any Windows client/server application or Internet component. CA-Visual Objects Integrated Development Environment (IDE) provides a centralized “command center” enabling developers to work quickly and efficiently.

The IDE is a truly seamless graphical environment, putting the functionality you need at your fingertips, enabling you to work more quickly and efficiently.

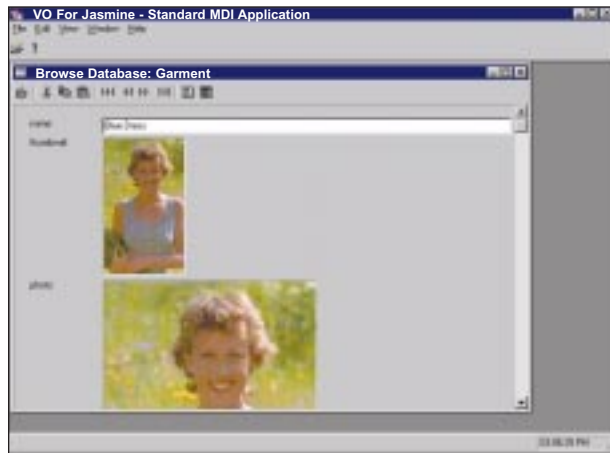


## CA-Visual Objects And Jasmine: A Powerful Combination



CA-Visual Objects embraces the future of information technology with native support for Jasmine, CA's pure object database and intelligent information infrastructure.

Most organizations are using object-oriented development tools like CA-Visual Objects. So why not use an infrastructure that is designed specifically to handle the business objects CA-Visual Objects creates? Businesses have an increasing need to make use of complex data, such as audio and video, animation, medical images, photographs, architectural diagrams, time-series, geo-spatial, and other types of data. Jasmine is the best way to handle the integration of these complex data types.



*The seamless integration of CA-Visual Objects and Jasmine provides developers with the power of a pure object database.*

A Jasmine class library and a Jasmine editor have been built into CA-Visual Objects, enabling data and logic stored in Jasmine to be used in applications created with CA-Visual Objects. This integration greatly extends CA-Visual Objects by providing mission-critical pure object support.

## Taking Businesses To The Web

As more and more businesses look to exploit the use of the Internet, extranets, and intranets, it is increasingly important to provide customers, business partners, and employees with intuitive Web-based applications and services.

CA-Visual Objects incorporates new class libraries enabling the development of Internet-based business solutions. Now developers can deliver the power of CA-Visual Objects applications to the Web, helping to improve service levels, expand market reach, and reduce operating costs.

## Support For Industry Standards

It is imperative that today's new and innovative mission-critical business applications leverage existing information architectures by supporting industry standards. CA-Visual Objects provides classes that support such standards as ODBC, OLE/COM, and ActiveX, allowing CA-Visual Objects applications to take advantage of advanced Windows features and are accessible by other applications supporting these standards.

The OLE Server library, included with CA-Visual Objects, lets developers create OLE Server applications, ActiveX controls, and Active Server Page (ASP) components. Utilizing the classes included in this library, CA-Visual Objects application logic can be used by other applications, whether developed with CA-Visual Objects or another OLE-compliant tool.

This support for multi-tiered environments, inherent throughout CA-Visual Objects, enables organizations to leverage previous investments when creating new client/server and Internet applications that help to enhance existing systems.

## Integrated Source Code Control

An integral part of any collaborative application development project is source code control. To ensure that all developers are working with the most current version, and because many CA-Visual Objects developers use Microsoft's Visual SourceSafe product to manage source code, CA-Visual Objects provides transparent integration of Visual SourceSafe features into its IDE. Developers are now able to manage application life cycles and create innovative applications from the same graphical environment. Additionally, this source control feature takes the burden of managing concurrent development away from development groups.

## System Requirements

CA-Visual Objects Version 2.7 requires:

- Intel or compatible Pentium-based PC, Pentium III or higher CPU recommended
- Microsoft Windows 2000 or XP or higher
- 64Mb memory, 128+ Mb recommended
- 75Mb hard disk space, 300Mb recommended
- CD-ROM drive
- Microsoft Visual SourceSafe for source control features.

**For more information, call 1-800-659-4723,  
or visit our website at [www.cavo.com](http://www.cavo.com)**

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