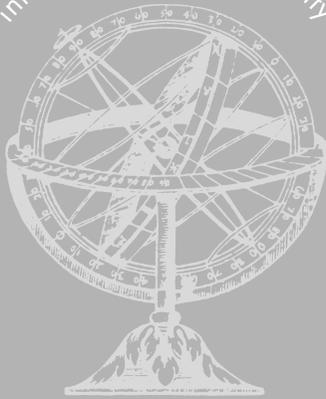


integrated web connectivity



32-bit  
cross-platform  
relational  
database  
application  
development  
workshop

# 4D

# ACI 4D Desktop

**4D** DESKTOP is the essential set of tools for database application development. Cost-effective and scalable, 4D Desktop integrates three key advantages of the 4D Product Line:

- ▶ 4th Dimension
- ▶ 4D Compiler
- ▶ 4D Insider

## 4TH DIMENSION PROVIDES FLEXIBILITY

4th Dimension (4D) is a 32-bit, multi-threaded relational database management system combining rapid application development (RAD), power modeling, and built-in Internet/intranet capabilities. 4D provides native support for Windows 95, Windows NT, Macintosh, and Power Macintosh. Any 4D application created for one platform can be deployed immediately on another. 4D easily scales from a single-user application to a workgroup architecture with 4D Server.

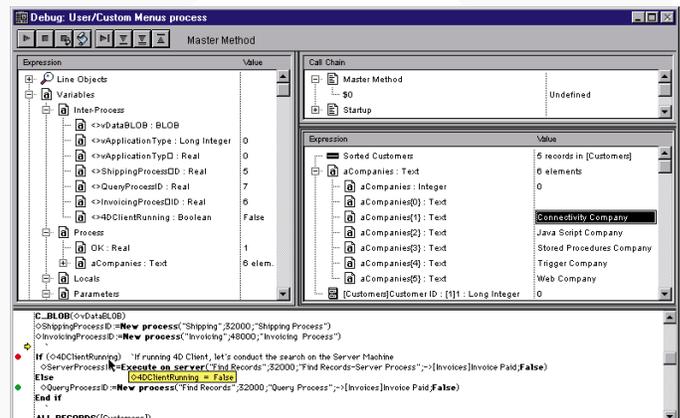
As a combined database and integrated Web server, 4D requires no CGI or additional software to serve data via the Web. Ensuring Web access to your application is as easy as clicking a check box in the Preferences dialog. No code changes are necessary. 4D and 4D Server treat any Web browser as a 4D client, extending the built-in database features.

The 4D design environment delivers an enhanced structure editor providing visual tools to organize data storage in 4D applications. The elaborate drill-down 4D Explorer facilitates easy navigation and access to all 4D objects.

The re-engineered 4D Form Editor dramatically simplifies user-interface creation, saving hours of programming time with point-and-click, drag-and-drop control over a comprehensive palette of predefined form objects. Or, use the automatic 4D Form Wizard to generate a variety of editable forms with point-and-click ease.

The 4D Debugger incorporates hundreds of features to efficiently isolate and fix source code errors.

## Troubleshooting source code is easy with the efficient 4D Debugger

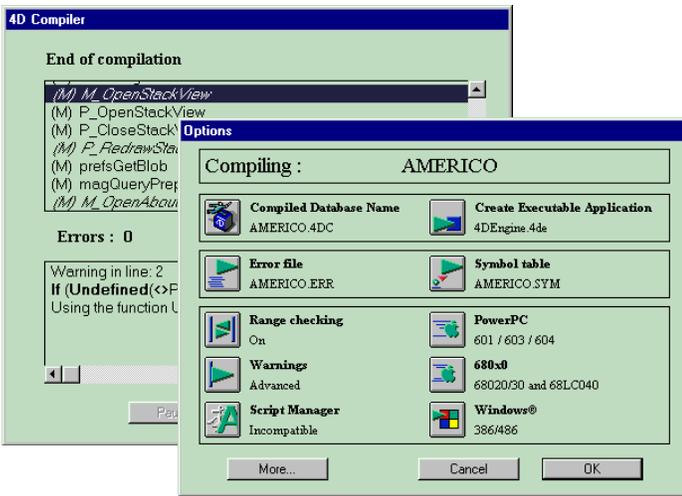


#### 4D COMPILER DELIVERS SPEED

4D Compiler is a powerful multi-target compiler that translates interpreted applications into rapid machine code. 4D Compiler takes advantage of a wide range of processors including: Intel 80386, 80486, and Pentium; Motorola 68020, 68030, 68LC040, 68040, and 68881/68882 math co-processors; PowerPC 601, 603, 603e, and 604. 4D applications benefit from native processor speed, executing at speeds three to 1,000 times faster than their interpreted counterparts. 4D Compiler also delivers:

- ▶ Extensive and detailed diagnostic warnings and error messages
- ▶ Code quality control
- ▶ Automatic variable typing
- ▶ Range checking
- ▶ Interactive debugging with 4D

4D Compiler translates interpreted applications into rapid machine code



#### ADDITIONAL RESOURCES

For detailed information about the complete 4D Product Line, please request the following white papers from ACI US:

*Introducing ACI 4th Dimension Version 6*

*ACI 4th Dimension: The widest scope of built-in database features*

*4th Dimension: The new dimension of Internet database access and publishing*

*ACI 4D Insider: The new dimension of efficient code management*

*ACI 4D Compiler: The new dimension of fast, cross-platform development*

*ACI 4D Productivity Plug-ins: The office system inside 4D and 4D Server*

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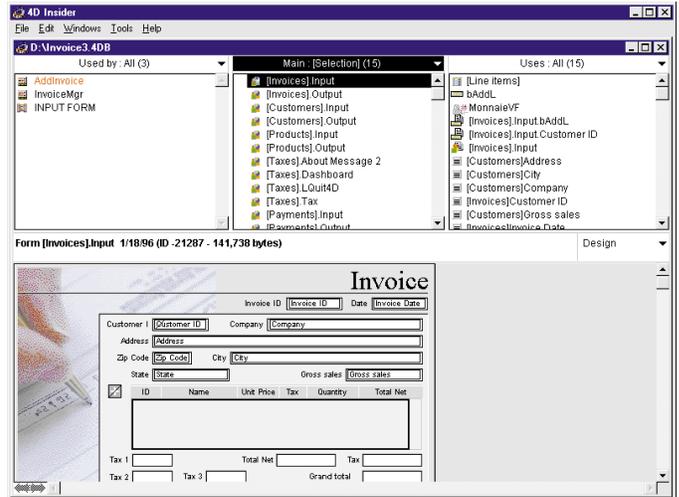
#### 4D INSIDER MANAGES CODE ADMINISTRATION

4D Insider addresses the most cumbersome yet indispensable database development needs in a simple and efficient manner. A point-and-click, drag-and-drop code servicing system, 4D Insider allows component builders to modularize or merge existing applications, to examine database objects and their dependencies, and to ensure transparent maintenance of 4D and 4D Server applications. 4D Insider offers database developers many other important advantages:

- ▶ Dictionary of 4D databases displaying database objects and their interdependencies
- ▶ Global search-and-replace capability
- ▶ Cross-reference and documentation tool
- ▶ Component building retaining object properties and relationships
- ▶ Creation of 4D structures from SQL files generated by CASE tools

In addition to opening existing databases, 4D Insider enables creation of new databases from existing components without writing a single line of code. Once created, new databases work with both 4D and 4D Server.

4D Insider is a point-and-click, drag-and-drop code servicing system



#### ONE-OF-A-KIND SOLUTIONS TO DATA MANAGEMENT NEEDS

From development to deployment, ACI delivers innovative, scalable solutions for fulfilling diversified business requirements. The complete 4D Product Line includes:

- ▶ 4D Server for client/server deployment
- ▶ 4D Runtime for individual application distribution
- ▶ 4D Engine for unlimited deployment licensing

