

## Speedware/4GL

The heart of the classic Speedware development toolkit

*Speedware/4GL, along with Speedware/Designer and the Speedware utilities, makes an application developer's life easier and a lot more productive.*

### The Speedware Environment

Speedware/4GL is a complete, sophisticated fourth-generation, platform-independent procedural and non-procedural programming language. With its CASE companion, Speedware/Designer, it is geared for maximum productivity in creating transaction-oriented applications.

Speedware prototyping lets you design and test programs using high-level dialogs. It generates optimized code and automates many boring but necessary programming chores. Your application specifications are automatically compiled for your platform environment, ready to run or to be ported to more platforms.

Speedware keeps development, maintenance and enhancement within a single, integrated environment. You can create or modify a whole application — database and file definitions, menus, programs, transaction screens, logical data views, reports, security systems and documentation — without exiting to another system.

### There's more...

- **Versatile menu and screen styles**  
Speedware/4GL provides full control over menu styles and data entry screen layouts. Therefore, even when undertaking modifications or enhancements, the familiar visual interface of your application is maintained. Speedware applications take users to new territory, but still let them feel right at home.
- **Custom report frames**  
Speedware/4GL's built-in frame system for report layouts lets you define areas that automatically adjust to varying amounts of data. Our frame feature is especially handy for formats like mailing labels.

- **Large report screening**  
Report formats that work best on paper often don't fit well on a screen. Speedware/4GL automatically displays on-screen reports with vertical and horizontal scrolling, as required.
- **Transaction rollback**  
When a transaction cannot be completed as entered, it's vitally important to step out of it smoothly, especially with SQL databases. Speedware's eventdriven language allows both automatic and programmatic control of file locks during transactions, to make sure you can roll back incomplete or invalid transactions without risk to data integrity.
- **Security capabilities**  
Speedware/4GL provides multi-level control over user access to data. Security can be set for overall access per user ID at specified times or dates and individual access to specific files, fields or even records in files.
- **Escape to the OS**  
On any platform, Speedware/4GL lets you call operating system commands whenever you need to, then automatically return to the application.
- **Legacy program integration**  
It is often necessary to integrate legacy applications within your new Speedware/4GL environment. Speedware lets you integrate menus and existing 3GL code into new applications by exiting from and returning to any program.
- **Text formatting**  
To handle text in documents like business forms and mail merges, Speedware includes a simple text formatting language. It lets you control margins and page breaks, suppress spaces when data fields are blank, and place variable text blocks within pages.

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- **Bench testing**

Speedware supports bench testing to verify application quality after modifications. First, you run the original application in input record mode. User keystrokes are saved in a file, together with screen snapshots containing data. After the application is modified, give it a test run in playback mode, using the recorded inputs. Speedware checks that the data remains the same, and warns you if discrepancies occur.

- **Data views**

Speedware's ease with multiple operating systems lets you generate specialized logical views of data drawn from multiple locations. Data views are stored independently, can be applied to one or many reports, and use the full range of security controls.

- **Simultaneous multiple reports**

Speedware/4GL can produce multiple reports after reading the underlying data only once. This powerful feature is a major time-saver when you work with very large files.

- **Local time and date formats**

Speedware's country-specific options let you specify your local time and date formats. Local formats are supported for input/output and for time- or date-sensitive calculations, transactions and security controls.

- **Printer independence**

Speedware applications can drive a wide range of printing devices. A report can be automatically sent to the printer preferred by the user running it.

### Supported Platforms

Speedware/4GL runs on the following platforms:

- HP e3000 — MPE
- HP 9000 — HP-UX
- PC — Windows

### What's New?

Speedware's product line is always expanding. New products take advantage of the Internet, distributed client/server environments and multi-vendor networks.

To learn about Speedware's complete portfolio of development technology tools, please refer to our datasheets on Speedware/Designer, Speedware Autobahn II and Visual Speedware.

### Key Benefits

- **Increase your productivity**  
Speedware/4GL is an intuitive, powerful and versatile programming language that facilitates application development.
- **Secure your investments**  
Speedware applications are easily portable to MPE/iX, HP-UX and Windows. It also has native support for a wide range of databases.
- **Breathe new life into your applications**  
Speedware applications can also be accessed through a Web browser or through a client/server Windows interface.

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## About Speedware

Speedware has been dedicated to helping companies modernize their business applications for over 15 years and enjoys a 100% project success rate. The company specializes in developing end-to-end modernization solutions that allow industry and government leaders to increase their business agility and reduce their operational costs. Speedware has been a leading provider of enterprise software solutions since 1976, offering a complete suite of legacy modernization, migration and application portfolio management solutions, business intelligence tools and application development solutions.

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