

# PVCS

## MERANT PVCS® *Configuration Builder™*

The standard for software configuration management

### OVERVIEW

MERANT PVCS Configuration Builder automates the process of reconstructing your software system and ensures that your systems are rebuilt completely and accurately at any time.

PVCS Configuration Builder saves your team development time, shortens build cycles and eliminates build errors by providing repeatable, automated builds of your software development projects. PVCS Configuration Builder and PVCS Version Manager work synergistically. Configuration Builder extracts the correct versions of development objects from Version Manager archives. This simplifies the process and eliminates errors when building complex versions on multiple operating systems.

### HIGHLIGHTS

#### **Accelerates build process and eliminates errors**

PVCS Configuration Builder automates the build process, saving your team time and eliminating errors caused by dependency problems and out-of-date objects. Configuration Builder automatically scans source code for dependent modules, keeping track of any updates. Builds are streamlined by rebuilding only the updated modules.

#### **Maintains audit trails**

Unique “footprinting” technology embeds a list of source revisions in the executable or library, making it easy to verify that the correct source revisions were included.

#### **Manages application builds**

PVCS Configuration Builder works on multiple operating systems to build client and server software on separate platforms. One script coordinates your development tools such as compilers, linkers and PVCS Version Manager throughout the build process on all platforms, reducing deployment and training time.

**MERANT PVCS is the standard for software configuration management. PVCS Configuration Builder is a component of the MERANT PVCS solution, a family of best-in-class tools that can be used individually for tactical advantage or in combination to form a complete client/server environment.**

# PVCS

## PVCS CONFIGURATION BUILDER

### Dependency scanning

- Calculates dependencies
- Creates or updates build scripts based on calculated dependencies

### Footprinting

- Stores a list of components or footprints
- Traces executables back to the specific revisions of their source components
- Ensures that an application is calling a correctly built dynamic link library (DLL)
- Reports on footprint information at any time

### Version control system integration

- Fully integrated to PVCS Version Manager
- Recreate old releases by specifying version label name or promotion level
- Build system based on time stamps, requiring recompiles of changed modules only

### Compatible scripting

- Compatible with Microsoft Visual C++ Nmake files, ensuring accurate Visual system builds which enables automated versioned builds of MSVC projects
- Structure identical to popular UNIX make files
- Uses same commands under all operating environments—Windows NT, Windows 95, Windows 3.1, DOS, OS/2 and UNIX

### Build scripts compile into binary files

- Compile build scripts into standalone executables
- Improves reliability by ensuring same script is used throughout lifecycle
- Makes scripts secure so users can not modify



*PVCS Configuration Builder coordinates compilers and other development tools to consistently create executables and libraries.*

### Platforms supported

- Apple
- Digital (Compaq)
  - OpenVMS\*
  - NT/AXP
- Hewlett Packard
- IBM
- Linux\*
- Microsoft Windows
- UNIX:
  - Data General
  - Digital (Tru64)
  - NCR
  - Pyramid
  - QNX\*
  - SCO UNIX
  - SCO UNIXWare
  - Sequent
  - Siemens Nixdorf
  - Silicon Graphics (SGI)
  - Sun
  - Tandem
- \*Command line only. For more information on platform availability, visit [www.synergex.com](http://www.synergex.com)

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