



MERANT PROFESSIONAL™

THE COMPLETE SOFTWARE CONFIGURATION MANAGEMENT
SUITE FOR APPLICATION DEVELOPMENT TEAMS

From the Makers of PVCS®

The Team-Centric Solution for Today's Distributed Development

Merant Professional is the complete, affordable suite for software configuration management (SCM) and the de facto choice of development teams at thousands of project sites worldwide. Built by Merant, the leader in proven SCM solutions and maker of award-winning PVCS products, the Professional suite focuses on the unique needs of the contemporary development team: managers, developers, build managers and QA/testing engineers working collaboratively.

Why You Need SCM

Development practices have changed dramatically over the years. They have gone from small, local teams working on relatively straightforward applications, to highly complex applications developed and continually enhanced by large, distributed teams.

Contemporary team development depends on too many contributions, from too many individuals, to be managed with notes, status meetings, or the heroic efforts of individuals.

In fact, a recent survey of 400 IT projects from companies of various sizes and industries found that only 28 percent were successful; 49 percent were over budget, took longer than expected or had fewer features or functions than originally promised; and 23 percent failed altogether.*

One solution is software configuration management (SCM) to mitigate development risks and project failures, and benefit the business bottom line with higher quality applications, developed faster.

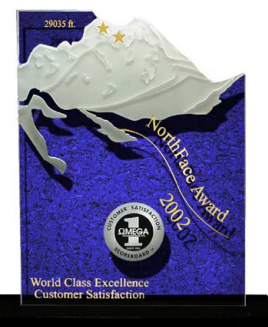
SCM enhances productivity and boosts application quality because it automatically versions files, labels and organizes them as they change during the development process. SCM prevents unintentional code overwrites, which can result in missed bug fixes or customer-specific change requests. The impact of even a few defects or missed changes can seriously overburden support or bring a mission-critical application to a halt. With SCM, you can stop trouble before it starts.

SCM also enables time-saving parallel development. You don't have to wait for one team or developer to finish a task before others can proceed. Instead of developing sequentially, you develop concurrently — because it's safe and easy to do so. Timelines become more predictable when you don't have to wait. You get to market faster. With fewer errors.

With its platform-independence, scalability, superb flexibility and ease of use, Professional is the most popular choice for:

- Organizations with dynamic, fast-paced software development projects
- Project managers requiring rapid start-up of a team-centric SCM solution
- Distributed teams that need to work from a single, protected asset archive regardless of location or platform
- Teams that need to adapt quickly to changing projects, while keeping SCM costs low
- Teams where the project, not an enterprise process, is the primary focus

Software teams gain the rich, robust capabilities of Merant Version Manager™, Tracker™ and Build Standard Edition, all in a single package, to accelerate and increase quality in team development efforts. Proven, extended and continually



"Building Customers for Life"

// Merant has repeatedly demonstrated how partnering to solve customer problems builds retention and loyalty. By putting customer needs first, Merant is solidifying its leadership position in a fiercely competitive market. //

Richard J. Castellano
Chief Customer Officer
Omega

*The Standish Group CHAOS Chronicles, 2000. www.standishgroup.com.

MERANT PROFESSIONAL

// There are very few investments one can make that return a business value of five or six times their cost... the results of software process improvement efforts added up to impressive returns on the resources invested. //

Carnegie-Mellon

The Benefits of CMM-based Software Process Improvement (1994), Software Engineering Institute



Professional combines Version Manager, Tracker and Build into a single suite for software configuration management. With Professional, teams enjoy enhanced communication, collaboration and automation of key software development tasks.

enhanced by development experts themselves, Professional capabilities go far beyond what's possible with standard IDE source protection utilities, freeware or home-grown software configuration management.

- **Merant Version Manager** organizes, manages and protects software assets during the development process. Application quality is improved and productivity increases, as Version Manager automates common tasks and protects against lost changes, overwrites and content errors. Its intuitive desktop and web clients use familiar Windows Explorer® concepts, which makes it easier for all team members to use version management consistently and effectively.
- **Merant Tracker** captures, manages and communicates the many software defects, project issues and change requests that can consume team productivity. Change requests managed with Tracker can be linked with development files managed by Version Manager, providing a traceable and

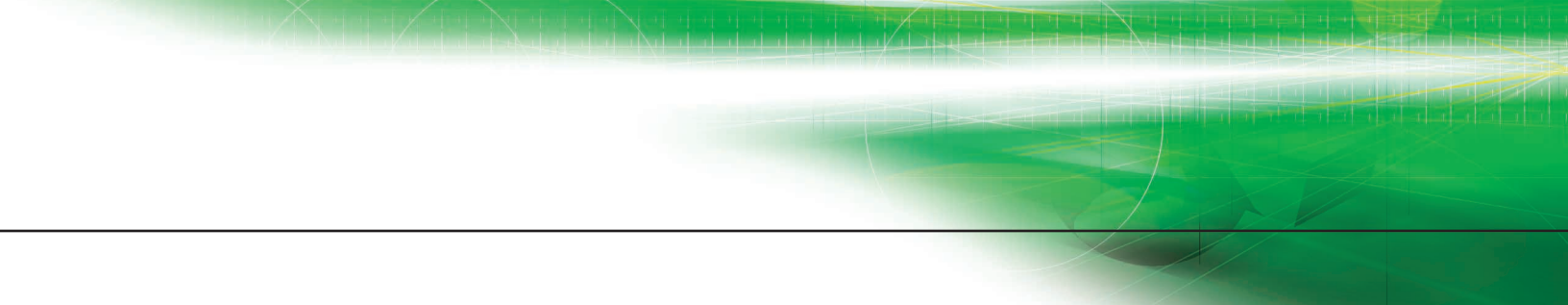
Anticipating the Unthinkable – Disaster Recovery for Development Teams

No one likes to think about catastrophic disasters, but fallbacks for recovery are a safety net that every enterprise needs. If your facilities were destroyed would you be able to:

1. Get your production applications back on line?
2. Get your development and test environments back up and running?
3. Rebuild, maintain and enhance your applications?

Without SCM archives, you won't have a record of which tools, tool versions and configuration settings were used in which releases of which software. Without this information it is impossible to accurately rebuild and pick up development of your applications where you left it.

Merant Professional is the SCM solution that helps you plan disaster recovery so that if the unthinkable happens, you can quickly rebuild, maintain and enhance your applications.



complete set of dependent information including affected code, issues, changes, responsibilities and status.

- **Merant Build Standard Edition** is designed and optimized for the Windows computing platform, providing the most comprehensive, automated build solution in the market. For teams that build Windows applications and technology, or that do not have a need for remotely building applications, Standard Edition is the perfect fit. For customers building applications across multiple operating systems or J2EE applications, Build Enterprise Edition is the ideal upgrade.

Team Focus on Productivity and Collaboration

Professional helps teams facilitate communications, coordinate tasks, and manage and protect software assets during the development process. Teams can speed time to market with efficient parallel development, enhanced code reuse and protection against errors common when multiple people are working on the same tasks — lost changes, overwrites and content errors. Automated change and task tracking speeds resolution of project issues, while keeping everyone informed of their responsibilities.

Even non-programmers can be brought into the fold so that everything to do with a project is tracked, versioned and protected. Quality assurance and test engineers will benefit from Tracker's centralized control of project defects and issues, providing a communication and tracking hub for collaboration with developers to ensure defects are resolved.

Build engineers avoid the chaos of an uncontrolled build environment, where application modules behave unexpectedly in a production environment because they are written in multiple programming languages or are interacting across multiple operating systems. Professional's automated, reliable build management system avoids common errors, allowing the whole team to be more productive, and deliver their applications on time.

Fast to Implement and Easy to Use

Project teams that require rapid startup will enjoy Professional's application configuration settings, which allow it to quickly fit within the organizations existing infrastructure. The turnkey pre-configured functionality allows the project managers to see benefits and return on investment quickly.

Teams of any size can quickly learn to organize assets, automate development tasks and manage change anytime and from any location. Professional empowers everyone with a simple-to-implement SCM solution, out of the box, including built-in sample projects. Minimal training is required to get started.

Intuitive, graphical interfaces allow team members to more consistently and effectively work within their chosen environment. Team members can access Professional via command-line, web client or native Windows desktop client. Integrations to the most popular integrated development environments,

// I have always been impressed by Merant's ability to foresee and proactively address customer needs. The availability of TrackerLink in the Version Manager browser client will enable us to roll out both the Version Manager and Tracker browser clients across our entire organization. And the project filtering and process control capabilities Merant Professional delivers are enormously beneficial. //

Mark Kaiser
Systems Manager
SBC Ameritech

// SCM tools are the glue that holds together the various components and phases of the application lifecycle. //

IDC

Bulletin 24811, June 2001

// Tracker has changed testing and development at ABB Automation. Our developers can now act on issues raised via problem reports in Tracker within minutes of notification. This system has not only improved the awareness by the development group of what testing has occurred, but it has also accelerated problem resolution. As a result, we have been able to improve the quality of our products and to accelerate research and development. //

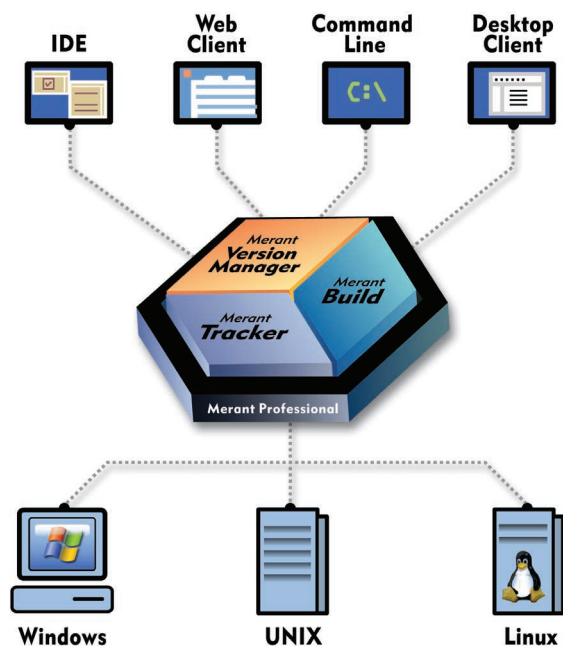
Janet Kaufman

*R&D, Senior Unit Supervisor
ABB Automation*

including Visual Studio .NET and IBM WebSphere Studio, allow developers to work with the latest tools while protecting assets under a single SCM system.

Professional's broad operating system support, including Windows, Linux and the most popular UNIX flavors, fits easily into the existing team infrastructure.

An open API supports a team's custom integration requirements, while compatibility with application server solutions such as Citrix, assures that Merant SCM power is available to all your developers, around the clock and around the world.

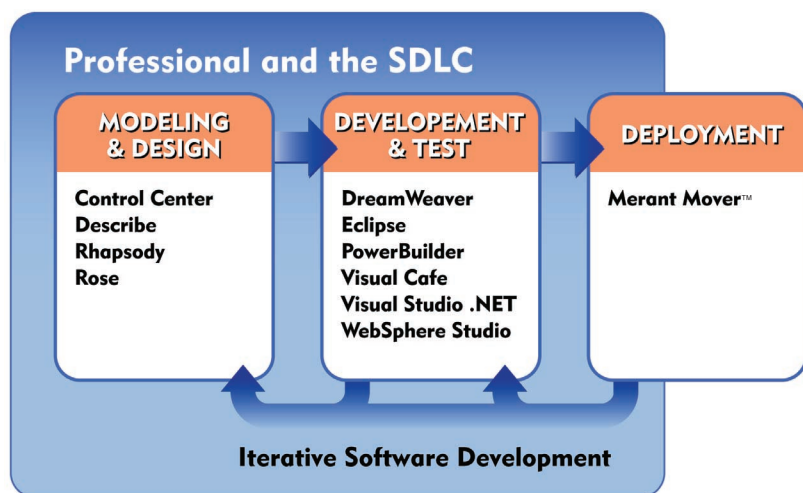


Merant Professional is ideal for distributed software teams. It supports multiple platforms and a range of clients, enabling developers to work in the environment most comfortable and efficient for them. Access to archives is secure and protected, yet available anytime, from anywhere.

Scalability and Flexibility to Suit Your Needs

Merant Professional is designed as a scalable and flexible solution that fits within your existing infrastructure. You can choose to create a centrally managed server to protect all of your software assets, or create multiple databases and projects that are distributed throughout the organization. You can choose to store assets from multiple operating platforms, such as Windows and UNIX, within a central server on a UNIX platform, or choose to place the assets on each respective platform. Professional also allows you the choice of user interface to meet the needs of all your users. Developers can choose to use the powerful desktop client, or access functions directly from their IDE. Power users can choose to use the command-line client, or use the API's to create custom solutions that uniquely solve the business needs. For rapid implementation and rollout, the web clients provide a powerful user interface from within popular web browsers, such as Microsoft Internet Explorer, or Netscape.

Your existing software assets, stored in other SCM systems, can be included in a Professional environment. For example, you can easily migrate assets from Microsoft Visual SourceSafe to Version Manager. Or, you can choose to leverage Professional's Tracker integration with Visual SourceSafe to gain the added benefits of change tracking directly related to associated development modules in Visual SourceSafe. Tracker and Version Manager also integrate to Mercury Interactive TestDirector to support your team's testing and quality assurance activities.



Merant Professional supports the latest development environments and standards while integrating SDLC tools for modeling, design, testing and automated asset deployment.

Keeping Pace with Contemporary Complexity

The increasing complexity of software development mandates highly integrated, richly featured SCM that is scalable and supports the diverse needs of distributed team members.

At the same time, managers want visibility into the progress, processes and issues affecting development and software systems. And IT may have organizational or infrastructure requirements of its own.

Freeware or Professional Care

Unlike many freeware or IDE-based approaches to source code protection, Professional includes a full-featured, enterprise compatible source code protection product — tested, proven and extended over many years — that can be linked to defect tracking, build systems and automated asset transfer. Merant Professional's Version Manager supports parallel and distributed development, robust branching and merging, enables use of promotion models, and enforces secure user access via industry standard LDAP and a client-server architecture. Version Manager is extensive and scaleable, and supports platforms and users across the organization, whereas freeware solutions and IDE-based solutions are limited either to command line access or to the IDE itself. Most important, a scalable, flexible and platform-agnostic solution such as Version Manager comes with industry-leading support and ongoing product enhancement dedication.

// With Merant Professional's support for Microsoft platforms, Visual Studio .NET developers can take advantage of Merant's version management functionality in Version Manager, while Visual SourceSafe users can manage issues and changes with Tracker. //

Ari Bixhorn

Lead Visual Studio .NET product manager Developer Platform Evangelism Division Microsoft Corp.

// Modern software is very complex, with many different modules. It is becoming both more critical and a greater part of everyday life. And software development teams are often dispersed around the world. Keeping track is a major concern. //

Dick Heiman
IDC
Research Director

// The complexity of the modern enterprise software configuration management (SCM) environment makes Concurrent Versions System (CVS) an unsuitable choice for all but the simplest projects. //

IdeaByte report
RIB-092002-00155 © 2002
Giga Information Group, Inc.

Merant Professional easily beats all of these challenges to set the standard for team-centric development:

- **Scalable** – Centrally managed projects for distributed teams
- **Secure** – client/server architecture ensures that archival of software assets is secure and can't be accidentally deleted
- **Performance** – client/server architecture for better performance, enabling higher team productivity
- **Infrastructure support:**
 - Supports LDAP, the industry standard for centralized user authentication and password management
 - Windows, Linux and UNIX operating systems
 - IDE integrations: IBM WebSphere Studio, Microsoft Visual Studio .NET, and more
 - Integrates with leading development environments and tools for software requirements management, testing, and modeling
- **Flexible licensing** – named and concurrent licensing options to meet the needs of any organization
- **Proven solution** – Built by software professionals dedicated to delivering software configuration management solution, and supported by 25 years of software configuration management industry experience

Role-Based Advantages Across Your Teams

Professional improves productivity, eliminates rework and integrates change control within the various roles and personas across the development team, including developers, project managers, documentation specialists, build engineers, and QA teams. To support their roles, Professional allows team members, from managers to individual developers, to:

- Establish a software change workflow and approval process based on the needs of the project team
- Track and audit all the changes made to development assets, with reports and status available from anywhere in the organization
- Access development assets from anywhere at anytime while maintaining security, data integrity and change traceability
- Provide a comprehensive SCM solution for application development teams, with low total cost of ownership and administration

COMPANION PRODUCTS

Merant is committed to offering seamless, integrated solutions to software configuration management that eliminate high-cost, high-maintenance systems that patch together point solutions. The Professional suite can be extended and enhanced with the following add-on and companion products.

Merant Build Enterprise Edition

Professional comes with Build Standard Edition, the solution of choice for

Windows-based development teams. If your teams span multiple operating platforms, develop Java applications, or require a distributed build solution, Merant Build Enterprise Edition is the choice for an integrated, multi-platform build solution for distributed teams.

Merant Mover

Merant Mover¹ automates the deployment of assets residing in Merant's SCM solutions to testing, staging and production servers. Merant Mover boosts development quality, productivity, accountability and security by slashing costs and errors common with manual transfers. Automated tools enable multi-point asset transfer, centralized control, scheduling, auditing, email notifications, pre- and post-deploy commands, and mirror deployment, as well as security and accountability for all transfers.

Merant Meritage

Merant Meritage™ brings Microsoft Office files under complete version control and change management, enabling cross-functional team collaboration. Now all documents related to the development process, such as product requirement documents, spreadsheets, presentations and Word documents, can be versioned and managed in a project archive, right along with software code, change requests, build scripts and testing plans.

Benefiting the Business Bottom Line

Merant's Professional suite and companion products enable development teams to do more with less through automation, organization and management of assets during the development process. They enable teams to quickly align business applications with evolving business missions and operational needs.

Contact us today to learn more about how Merant's solutions for software configuration management, including the Professional suite and more, can solve your software development and change management challenges.

¹ Patent Pending.



// Merant is an experienced, innovative leader in software configuration management. The Professional suite delivers terrific value to our customers, providing a full range of tools for tracking and organizing code and content. //

Jeff Largiader
Programmer's Paradise

Merant delivers the industry's most flexible and comprehensive enterprise change management solutions. Already in use at thousands of organizations and customer sites across the globe, Merant's products and services dramatically enhance the productivity, quality and ROI of customers' technology initiatives by allowing them to quickly and cost-effectively track, manage and control modifications in business-critical information assets. For more information, please visit **www.merant.com**.

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