MERANT

MERANT VERSION MANAGER™

from the makers of PVCS®

THE TRUSTWORTHY SOLUTION

Merant Version Manager is the proven, full-featured solution for version control and revision management in team software development. Used at thousands of sites worldwide, Version Manager organizes, manages and protects assets automatically to reduce common team development errors and speed project completion. Built by development professionals dedicated to excellence in software configuration management (SCM), Version Manager is the result of 25 years of software industry experience and ongoing product enhancement.

More than simply storing file versions, Merant Version Manager enables and automates complex team development tasks such as parallel development, visual differencing, branching and merging, identification of merge conflicts, promotion levels and team workflow.

Web, desktop, IDE and command line clients assure permissions-protected yet flexible access to Version Manager by all team members, whenever and wherever they work. Layered client-server protection includes ability to assign and control user rights, standards-based encryption for secure access, and support for LDAP.

The robust archive database and optimized file server architecture provide protection against data corruption as projects grow, enable centralized control of assets across the team, and assure high performance for key operations, including check-in, check-out and labeling. Integrations with new and evolving development environments, including Eclipse, IBM WebSphere Studio, and Visual Studio.NET support the latest team tools and methods.

BENEFITS ACROSS THE TEAM

Project Managers

For the project manager, Merant Version Manager makes it easy to assign tasks across distributed teams and remote developers, regardless of their development environment or IT platform. Version Manager's quick implementation and ease-of-use out of the box enable project teams to rapidly implement secure version management processes.

Managers provide assurance and control over every stage of the development process by setting permissions of their choosing to control access to any file, project or sub-project.

Common, unifying SCM practices can be established across distributed teams, resulting in higher team productivity. Automated and consistent branching techniques can be defined to support parallel development, promotion groups and labeling strategies. These steps help foster reuse of code, which in turn delivers cost-savings in future projects and reduces rework in ongoing projects.

Developers

Developers would rather be coding than keeping track of complex project processes, the status of revisions and what the developer in the next cubicle is doing that might affect their code. Version Manager offloads development task management and revision control, so developers can maintain focus on creativity in their own programming.

They can work freely, in their preferred IDE or via their preferred Version Manager client, knowing that all versions of their code are being stored and that, in the worst-case scenario, they can roll back to a previous version of the code.

Version Manager meets the needs of distributed developers on a variety of platforms and IDEs. Desktop, IDE and web clients extend access to shared, protected archives to team members in their preferred work environment.

Build, Buy or Open Source?

At the most basic level of functionality, source code protection has become a commodity. Freeware and open source options, such as CVS, are widely available. Popular IDEs such as those from Microsoft provide the basic protections with Visual SourceSafe. Teams may also create their own homegrown systems for tracking changes and revisions in source code, and for merging changes back into a development tree.

Why Choose Merant Version Manager?

Version Manager has been tried and true in thousands of real-life team development experiences. Merant has anticipated, tested and provided solutions for all of the team version management challenges you may encounter. You don't spend time, resources, and a lot of scripting for workarounds to make the tool fit your team needs.

Version Manager features and functionality have been developed over years of field testing and feedback from customers. It has been integrated and extended to a wide range of platforms and environments, with more robust functionality, than any other version management or source code protection solution.

Version Manager is also the only tool that integrates seamlessly with other Merant SCM products, including Tracker™, the popular software defect and issue tracking software, and Merant Build for automated, reliable, and repeatable cross-platform builds.

And if you should encounter issues with your freeware or open source solution, where do you go for help? With Merant Version Manager, you go to Merant SupportNet™, award-winning 24/7 technical support and free upgrades that never let you down.

Today, software code is a critical business asset, and a costly one at that. You can't afford to trust it to anything less than full-featured, robust and secure protection with Merant Version Manager and the backing of Merant SupportNet.

Developers can relax with the knowledge and assurance that they cannot inadvertently make changes where they shouldn't. Areas of a project that they should not modify are protected so that they cannot make a mistake. The project archives are stored securely preventing accidental deletion.

Developers also have the freedom of working in either a shared public "workspace" or creating their own protected development workspace where they can test changes and make any modifications to code, without it affecting the production or testing environments of other people in the team.

Build Managers

Build managers will find fewer coding errors halting builds when developers use Version Manager to boost code quality. In addition, Version Manager integrates with Merant Build, leveraging Openmake™ technology from Catalyst Systems, to assure reliable and automated build processes that give the QA team more time to test, with fewer delays due to build errors.

QA and Test Managers

QA engineers and software test engineers see to it that the work done in development conforms to corporate standards. They must verify changes and ensure that the changes are approved, support the requirements, and can proceed into production. With Version Manager and its web client, QA and test personnel can stay on top of projects or validate a specific module, even if traveling to a remote development site or while working from home.

These team members also work with software lifecycle tools such as Mercury TestDirector, Microsoft Office or Adobe and other productivity tools. Version Manager, integrated with TestDirector and extended to Microsoft Office with Merant Meritage™, allows these teams to version and control their test scripts, specifications, schedules, documentation and other team documents. Their work, even if not created in a development tool, becomes a protected and managed asset within the development project.

IT Manager

Securely organizing and protecting valuable software assets, Version Manager controls the daily development process. Version Manager supports an organization's existing infrastructure, providing broad operating system support, integration to leading integrated development environments, and multiple client options for remote and distributed developers. All of these benefits result in a fast return on investment and support IT alignment with business goals.

BENEFITS FOR THE BUSINESS

Software code is a critical business asset. In fact, it can be the single most expensive asset a company has, representing the cumulative efforts of many people and many evolutionary changes. You can't afford to entrust it to tools with limited functionality, security or scalability. Merant Version Manager enables the business to manage and control code not only for greater efficiences within the development team, but also for disaster recovery, overall IT cost savings and acceleration of new projects. Assets organized with Version Manager can be leveraged, reused and shared across the business, now and in the future, with confidence that they are accurate and protected.

PRODUCT FEATURES AT A GLANCE

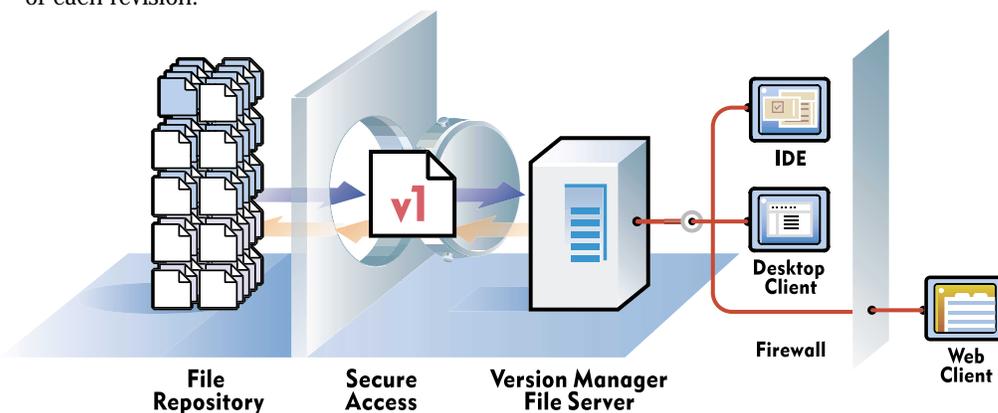## Securely Organize Your Software Assets

Merant Version Manager provides a robust, client-server solution so that teams can reliably protect multiple revisions of software quickly and securely. Version labeling, promotion modeling and workspace management enable the organization to quickly organize software development assets. Version Manager helps eliminate costly and time-consuming rework and enables more code reuse with fewer risks. Visual differencing enables clear, side-by-side graphical comparisons of revisions, including n-way comparison and merge. Its automatic branch and merge capability speeds complex development, while alerts of any conflicts requiring manual resolution prevent program logic errors.

Manage and Enhance Team Workflow

Merant Version Manager automates common team development tasks that are otherwise prone to everyday human error. It traces, documents and organizes software changes. It enables multiple teams to safely engage in parallel development without jeopardizing each other's work. Promotion group organization helps define and manage who can modify code as it progresses from one stage of development to the next.

Protect Assets Undergoing Change

With Merant Version Manager, teams can version, inventory and archive virtually any kind of development asset, including specifications, source code, development objects, and documentation. User access is managed and tracked through all stages of development, which provides a complete audit trail of changes, include the "who, what, when and why" of each revision.

Version Manager provides layers of security that protect assets while enabling team members permissioned access from a range of clients and interfaces.

Scale and Change as Needed

Merant Version Manager scales for teams large and small and supports a wide variety of platforms, operating systems and development environments. A choice of interfaces, including desktop, web client, IDE client, or command line, assures easy, intuitive access to the world's most powerful version management solution. Software assets are reliably protected across multiple, nested projects, through multiple revisions, during complex parallel and concurrent development, and across distributed and remote team members.

"Through the implementation of Version Manager, we did a lot to improve the protection of the code and security. The improved process makes security more formalized for our 400–450 users. Now we are confident that our software assets won't get away from us."

— Denis Krull
CUNA Mutual Business System Consultant

"Our manual process of managing our software was not working, so we selected Version Manager after reviewing other products in the marketplace. Version Manager was our choice because it is easy to use and scalable, so when our team grows, the product grows with us."
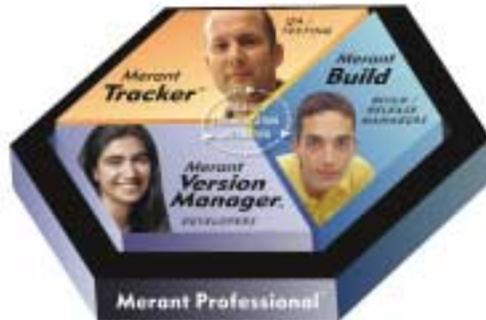
— Faaiza Haque
Senior DBA Toshiba Australia

COMPANION PRODUCTS

You can extend and enhance the power of Merant Version Manager with companion products that support your project requirements.

- Merant Professional™ integrates Merant Version Manager, Merant Tracker and Merant Build into a complete, turnkey SCM solution

- Merant Tracker captures, manages and communicates issues, change requests and defect reports

- Merant Build automates software builds across multiple platforms from a single point of control, saving you time and eliminating build errors

- Merant Mover™ automates deployment of development assets residing in Version Manager

- Merant Meritage™ allows teams to manage, collaborate and share project documents created with Microsoft Office tools

Merant Version Manager works standalone for source code control and versioning. As part of the Merant Professional family, Version Manager integrates with Tracker and Build to enable effective software configuration management.

ABOUT MERANT

Founded in 1976, Merant provides technology products and services that organize, protect and manage software development, enterprise digital assets and business processes. The company has built an unrivaled knowledgebase of change management best practices gained from successfully deploying thousands of solutions across a variety of industries worldwide. With more than 25 years of sound, stable business success as a foundation, Merant is one of the industry's most trusted names.

Merant delivers the industry's most flexible and comprehensive enterprise change management solutions. Already in use at thousands of organizations 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 **http://www.merant.com/**

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Also available through authorized resellers.

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