

MKS

ONE ARCHITECTURE
ONE SOLUTION
TOTAL VISIBILITY

Powerful cross platform software configuration management protects critical software assets, provides an audit trail of change, and supports the sophisticated development activities of today's global AD teams.

MKS Source

Powerful Cross Platform Software Configuration Management

THE CHALLENGE

Bringing control to a seemingly chaotic software development environment is the challenge facing nearly every global company in today's economy.

There are condensed project timelines and accelerating development schedules. There are multiple SCM repositories scattered around the globe with little visibility into their contents. There is remote and offshore staff to manage. And there is a heightened need for software quality and process maturity.

Software development processes need to be well managed, repeatable and documented, with sufficient insight and control over development activities, to ensure projects are completed on time and within budget.

Never before has complexity in development been as great — or the need for improved control so necessary.

THE SOLUTION

You are seeking a time-tested, enterprise-class software configuration management solution to protect critical software assets and support sophisticated development efforts. MKS Source grounds MKS's full coverage of the application lifecycle with the most technologically advanced and enterprise scalable SCM system available on the market today.

MKS Source delivers clear benefit across your development organization:

- **CIOs** gain improved management insight into global development operations.
- **Software Quality Managers** achieve greater software quality, reliability, and stability.
- **Development Project Managers** have predictable development lifecycles and release schedules and repeatable, well-defined processes.

- **IT Auditors** are assured by complete audit trails for regulatory compliance.
- **Developers** collaborate more effectively and gain productivity through automation of everyday programming tasks, and support for advanced concepts such as code reuse and parallel development.

"The MKS offering was distinctive from all others in two significant ways. First, it offered very effective support for remote development teams through its Federated Server Architecture, and second, it offered the unique concept of change packages, allowing us to directly tie together a development issue with all related artifacts, including source code."

*Benny Chang, Vice President of Engineering,
Tundra Semiconductor Inc.*

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FEATURES & BENEFITS

- Organize source code logically and apply **SCM best practices** with hierarchical project structure.
- Sandbox environments** allow developers to create a private workspace to explore changes, or update code without impacting master project files.
- Modern and reliable **Federated Server™ architecture** eliminates the need for replication, reduces administration costs and enables real time geographically distributed development over high latency, low bandwidth networks.
- Task-based development via **change packages** and **staged change package review** allows developers to associate all changes into a clearly defined container, and subject that change to management or peer review prior to committing to the repository.
- Facilitate code sharing and reuse through **sophisticated project sharing and refactoring** support lowering administration costs and reducing the need for costly rewrites.
- View a project's development paths and branches through a **graphical history view**.
- Integrate process management and workflow, requirements visibility, and metrics and measurement capabilities into your daily development activities through MKS Integrity's process and workflow, requirements management, release management and portfolios capabilities.
- Easily integrate SCM into existing tools and systems with **Open API**.
- Seamless access to SCM from within leading development environments including **Eclipse, IBM WebSphere and Microsoft .NET**.
- Streamline conflict resolution and improve application quality through **3-way differencing and merging**, automatic branching and merging and **graphical drag and drop merge**.
- Facilitate **real-time team collaboration** with automatic project change notification.
- Baseline** an entire project at any point and time and freeze completed modules and projects.
- Recreate an exact replica of a past version through **rollback**.

MKS Source also provides:

- Java application management, including applets, JSP, Java.
- Web component management, including HTML, XML, ASP, GIF, JPEG, CGI, JavaScript.
- Client/Server application management, including C, C++, Visual Basic, PowerBuilder.
- Database schema management, including SQL scripts.

If you are upgrading from a previous release of MKS Source your current system requirements have not changed.

If you are installing MKS Source for the first time, you should consult MKS Global Customer Care (800-219-4842 or support@mks.com) to help determine what your particular system requirements are. Many factors, such as number of users, datasets and usage profiles need to be assessed in configuring the optimal system.

Learn More

To learn more about MKS Source or MKS Integrity 2006, point your browser to www.mks.com.

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