

MKS Integrity Suite Enterprise 2005 Release Notes

Content

1. What's New ?	3
1.1 Requirements	3
1.2 Integrity Manager	6
1.3 Source Integrity	8

1. What's New ?

1.1 Requirements

What's New	What Does It Mean for You?
Requirements Management	<p>Analysts can easily convey requirements to development teams through integrations with common business tools, such as Microsoft Word.</p> <p>Business managers can be assured requirements are approved and authorized and view an audit trail of all changes related to a specific requirement.</p> <p>Development and quality assurance managers can better manage risk through the software development lifecycle, through more comprehensive management of new and changing requirements.</p> <p>Developers gain real time notification of changes to requirements, and can connect their coding activity back to business needs and goals.</p> <p>Business users and development teams collaborate and remain in constant communication through the use of a single tool driving a unified process.</p> <p>Leverage MKS Requirements' flexible process and workflow engine to lower costs and better integrate requirements and development processes.</p> <p>Process enforcement tied back to requirements protects the project schedule by restricting development of features and preparation of test plans until requirements have reached an appropriate state.</p>
Integrated into the Business Environment	<p>Business managers and business analysts, who are common users of requirements managements solutions seek a simple and straightforward connection between the tools they use to document requirements, and visibility into the status of requirements and the impact changes to requirements may have to the overall project delivery schedule. Ideally, business users also want assurance that the end product, a software application of some nature, aligns to the business requirements and meets the project goal.</p>
Integrations	<p>Integration with Microsoft Word, allowing easy import and translation of business-based requirements into the MKS Requirements repository.</p> <p>Powerful traceability between business requirements, functional requirements, features, tasks, source code changes and deployed artifacts.</p> <p>Integration with Microsoft Word allows organizations to use familiar authoring and document creation tools to build requirements, then import them into MKS Requirements 2005.</p> <p>Rich and open API enables integration with other enterprise tools such as project management, help desk, configuration management or project portfolio management.</p>
Management Reporting	<p>Customizable management dashboard provides senior management visibility with drilldown capabilities to easily view and report on their projects' status.</p> <p>Historical reporting enables project managers and business users to view how requirements have changed over time.</p> <p>Powerful querying, charting and reporting enables team collaboration and communication.</p>
Communication and Collaboration	<p>Improve communication and collaboration among analysts, developers, QA staff and management.</p> <p>Adopt a consistent approach to process management and better communication between business and IT by leveraging process and workflow capabilities used by development and QA staff to handle the requirements management function.</p> <p>Collaborative repository with audit trails maintains all requirements and their complete history of change over time.</p>

What's New	What Does It Mean for You?
<p>Traceability</p>	<p>Traceability between requirements and all downstream development activities enabling teams to easily determine the impact of shifting requirements across a variety of requirements and associated tasks. Organize requirements logically, provide traceability and assess the impact of requirement changes with a hierarchical structure of requirements.</p> <p>Flexible and powerful workflow with approval cycles ensures only authorized personnel can alter or add requirements.</p> <p>Facilitate process maturity initiatives such as CMM, ITIL, Six Sigma or ISO through team use of a single process and workflow tool.</p>
<p>Development Artifacts</p>	<p>Ability to tag downstream development tasks as "suspect" in the event of a requirement change, ensuring these tasks are reviewed and altered as necessary.</p> <p>Association of all development artifacts from source code to documentation to test plans directly to the related requirement using MKS's powerful change package capability — a value add for organizations who must withstand audit scrutiny.</p> <p>Clear and visible connection between development artifacts such as source code, documentation plans and all associated requirements via change packages.</p>
<p>Minimize the Costs</p>	<p>Minimize the costs and risks associated with project delays due to poor requirements handling and visibility.</p> <p>Minimize tool administration, training and support costs through the use of a single, highly adaptable tool.</p>
<p>Notification</p>	<p>Automated triggering of "suspect" tasks when a requirement changes.</p> <p>Automated email notification informing developers in real time of changed requirements.</p>

1.2 Integrity Manager

What's New	What Does It Mean for You?
Management Dashboard	User composite view provides management summaries of relevant information, which enables visibility across all team activities. Drill down capability provides the detail behind the report, satisfies IT audit and traceability requirements, and aids in isolating trouble spots. Generate charts and reports on a specific project or on a group of projects for a broader view. Dashboards can be centrally created and shared among groups of users within the enterprise.
Custom Relationship Types and Relationship Tree View	Custom relationship types allow for richer interaction and traceability among issue types. Ability to define rules specific to relationship type supports greater levels of process automation. Complex development processes and requirements can be more efficiently managed with hierarchical tree view of issues.
Electronic Signature Support	Supports fully compliant 21 CFR Part 11 systems with greater flexibility than other competitive offerings: Signature process authenticates users via the MKS Integrity Server, and signature results are recorded & history is maintained for a complete audit trail of any change in the system. Signature activity can be established anywhere in the lifecycle, not just state changes.
Server Audit Logging	Supports regulatory compliance goals ensuring all events that result in modification of data through the MKS Integrity Server are captured. Fully configurable for flexible implementation.
Unified Graphical Interface	A new single and unified GUI provides seamless integration between MKS Integrity Manager and MKS Source Integrity combining process management and versioning into a single user interface. Simple, clean design based on latest user interface best practices and highly configurable for unparalleled ease of use.
C Version of Open API and New API Commands	C language version of Open API enables integration of change management into non-Java tool environments. 18 new certified MKS Integrity Manager commands within the API strengthens change management support for integrations, giving developers access to more robust process management capabilities.
Administration Improvements	Administration partitioning allows for greater administrative flexibility by separating duties across several administrators. Three levels of administrative control are provided; server, Issue Type and Project level. Issue Type visibility controls and ability to override field and state attributes support definition of related but distinct processes for business units or departments within the Enterprise. Reduce the risk of process improvement and maintain product environment integrity through staged migration of process changes from a development/test environment to the production server. Staged migration of process change implemented via MKS Integrity Manager administration objects is done in an automated, transactional manner. A detailed change log is generated for review and approval prior to initiating the migration.
New and Updated Integrations	<p>Integration with Mercury TestDirector for Quality Center 8.0 - enhances traceability and auditability by linking defects found using Quality Center back to the original feature, problem, source code and requirement in MKS Integrity Manager. MS Project 2003 Client. MKS Worktray for Microsoft Visual Studio .NET 2003 and Eclipse 2.0.2, 2.1.x,</p> <p>3.0 -Developers gain access to MKS Integrity Manager queries, issues and</p>

What's New	What Does It Mean for You?
	<p>change packages all from within their IDE. Telelogic DOORS 7.0/7.1 – Requirements in DOORS can be seamlessly moved to MKS Integrity Manager directly tying them to the downstream development process. Microsoft Word 2000, XP, 2003 - An organization can continue to use Word as their authoring tool for requirements. Requirements can then be seamlessly moved to MKS Integrity Manager where the implementation is tracked.</p>
<p>New Platforms/Databases/Browsers</p>	<p>Platforms: SuSE Linux 9.1 Professional</p> <p>Red Hat Linux 3.0 Enterprise Databases DB2 UDB 8.1 for Solaris</p> <p>Oracle 10g Browsers Mozilla 1.7</p>

1.3 Source Integrity

What's New	What Does It Mean for You?
Unified Graphical Interface	A new single, unified GUI provides seamless integration between MKS Integrity Manager and MKS Source Integrity combining process management and versioning into a single user interface. Simple, clean design based on latest user interface best practices and highly configurable for unparalleled ease of use.
Enhanced Refactoring Support	Greater support for advanced development practices through new ability to move members & subprojects. Graphical drag and drop move gestures – including folder hierarchies.
Enhanced Change Package Support	More flexible change resolution - the Resync operation now supports creation of new, independent change packages (Propagation Change Packages) based on initial list of CPs and associated merge resolution operations, which can be applied instead of or in addition to the initial list of CPs. Handling of the Resolution CP process is now more streamlined. Support for migration from variants to main, or variant-to-variant with automatic adding of subprojects. Handle moves and renames of members with merge conflicts.
Server Audit Logging	Supports regulatory compliance goals by ensuring all events that modify data through the MKS Integrity Server are recorded. Fully configurable for flexible implementation.
Member Configuration Rules	Provides ability to define dynamic configurations using symbolic rules; configuration can be updated either manually by user or automatically based on triggering events. Member configuration rules support defining revision by date, label, devpath tip, checkpoint, or by linking to a member revision in another project (shared member support).
C Version of Open API and New API Commands	C language version of Open API enables integration of SCM into non-Java tool environments. 21 new certified commands within the API strengthen change management support for integrations, giving developers access to more robust SCM capabilities.
MKS Federated Server™ Architecture Performance Enhancements	Facilitate team collaboration over geographic boundaries with performance improvements making operations up to 4 times faster. Schedule cache priming and fetch of changes in non-peak times to maintain high developer productivity.
Visual Differencing and Merge tool enhancements	Ability to print the various views inside the visual differencing and merge tools makes it easier to review offline or to share important data with users not online. Support for differencing arbitrary files on the client filesystem provides developer flexibility such as comparing non-members with files under configuration management.
System Security Enhancements	Enhance system security with extended LDAP support over multiple domains & instant reconnection to LDAP servers. Key password encryption protects against unauthorized access to source code archive. Eases access to diagnostic data from Admin client GUI for quicker response and better troubleshooting.
New and Updated Integrations	Borland JBuilder X Borland CodeWright 7.5 Eclipse 3.0 Sybase PowerBuilder 10 Enhanced Visual Studio .NET 2003 WebSphere Studio Application Developer Integration Edition 5.1



What's New	What Does It Mean for You?
New Platforms/Databases/Browsers	Platforms: SuSE Linux 9.1 Professional Red Hat Linux 3.0 Enterprise Databases DB2 UDB 8.1 for Solaris Oracle 10g Browsers Mozilla 1.7