

MKS INTEGRITY

for Release Management

CHALLENGES

The only release management solution to provide secure, robust and flexible staging and deployment of change from development, through testing to production. MKS Integrity provides repeatability and automation to minimize risk to business systems and to meet compliance goals.

The average IT organization processes hundreds to thousands of change requests weekly. Automated and controlled processes to guide change from inception to deployment can provide a vital bridge between development and IT operation groups, relieve confusion and provide the documented and automated controls necessary for regulatory compliance.

MANAGE RISK

Regulations such as Sarbanes-Oxley have driven IT organizations to examine new ways to apply more rigorous control over

their release management processes and the deployment of software into production environments.

The introduction of software errors into a production environment or inconsistent delivery change across multiple platforms can negatively impact system uptime and availability, resulting in unacceptable business risk, customer dissatisfaction and loss of revenues.

THE SOLUTION

You are seeking a better way to manage the release of software change into production to maintain system reliability, satisfy audit requirements, improve IT controls and ensure a seamless connection between development, build, quality assurance and release stages of the application lifecycle.

MKS Integrity provides a powerful release management solution built on an enterprise-strength staging and deployment system that leverages and extends advanced software configuration management concepts. MKS Integrity gives you the ability to

implement secure, robust and flexible release management processes scaling to hundreds of server deployment targets.

MKS Integrity dramatically simplifies the software change and release process, offering easy configuration of repeatable, highly automated software deployments.

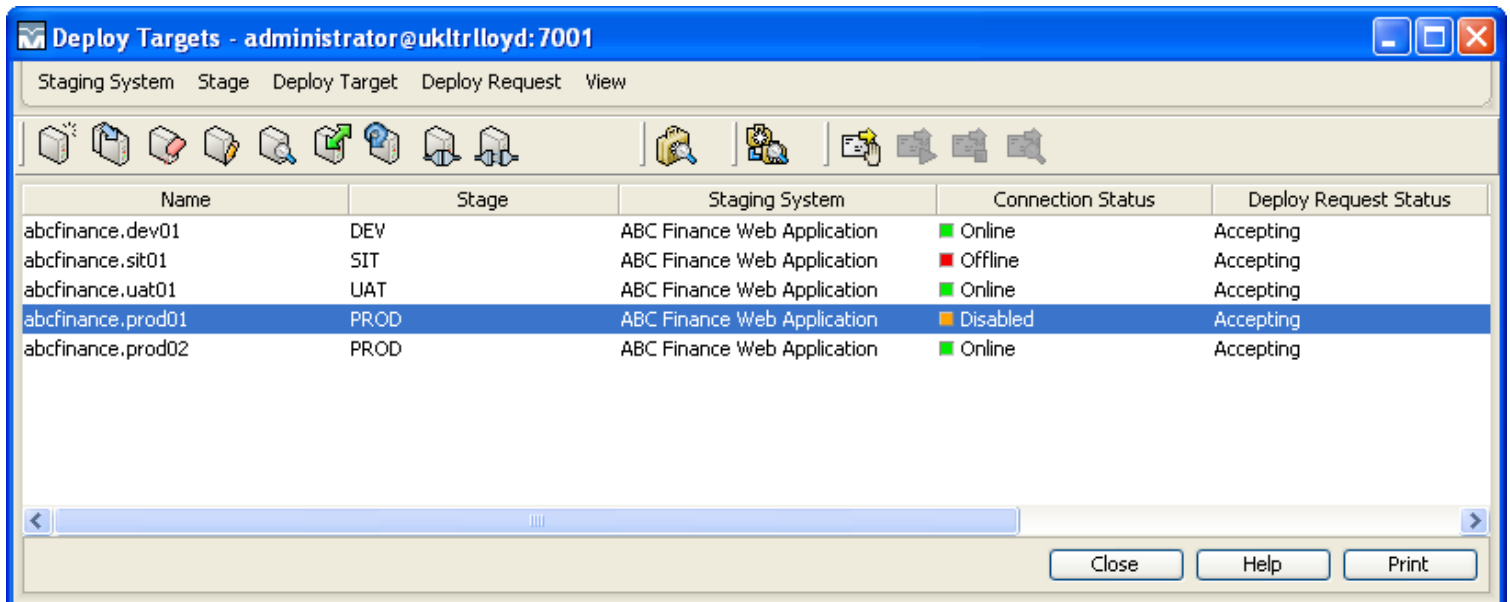
MKS Integrity locks down release procedures and ensures uptime and availability.

- **CIOs** gain assurance and confidence that availability and uptime of critical business systems is protected and release procedures are locked down minimizing business risk.

- **IT AUDITORS** gain visibility and evidence that proper release management procedures are followed and separation of duties is enforced.

- **DEVELOPMENT and IT OPERATIONS TEAMS** are connected via unified process and better communication between groups minimizes interruptions in service, confusion and ensures high levels of system availability and uptime.

- **RELEASE MANAGERS** benefit from a more automated and controlled release process minimizing complexity and creating a “first time right” environment for quality control.



Real time status monitoring of target servers and notification of deployment failures

FEATURES AND BENEFITS

Deploy to hundreds of server targets with assurance,

- A linear system of stages implements approvals and deployment process associated with a particular managed set of artifacts. Artifacts are version controlled for purposes of detailed reporting and deployment roll-back.
- Multiple staging systems can co-exist allowing you the flexibility to deploy different artifact types by following process specific to that artifact.
- Per stage tailoring allows for total control over the selection of deployment artifacts, specific targets, and how the deployment should be performed.
- Roll-backs prevent the introduction of partial or incomplete change. Roll-back sequence can be established for 'all' (if any fail), 'in parallel' (best efforts, no roll-back if others fail), or 'serially' (one deploy completes before next starts, conditional

- processing possible).
- Audit trails, separation of duties via role-based security and approval cycles tightly control deployment procedures. All deployment activities are logged for auditing and reporting purposes, and formal approval is supported for promotions, demotions and deployments — process enforcement and regulatory compliance is built directly into the system via MKS Integrity's powerful and flexible process and workflow capability.
- MKS Integrity Deploy Agent residing on the target platform manages artifact transfers and executes deployment actions. One Agent can support multiple deployment sources, multiple target locations on the same target platform, and can handle all types of deployment artifacts.

The screenshot shows a window titled "Deploy Request 11:1 (Deployed) - administrator@ukltrloyd:7001". The interface includes a menu bar with options like "Change Package", "Issue", "Staging System", "Stage", "Deploy Target", "Deploy Request", and "View". Below the menu is a toolbar with icons for file operations. A tabbed interface shows "Artifacts" selected, with other tabs for "Attributes", "Status", "Actions", "Path Mappings", "Properties", and "Log". The main area contains a table with the following columns: "Deploy Type", "Operation", "Member", "Revision", "Project", and "Last Modifie...".

Deploy Type	Operation	Member	Revision	Project	Last Modifie...
Filesystem	Add	amortization.js	1.1	/ITSM/ABCService/amortization/js/proj...	31-Aug-2006 1
Filesystem	Add	amortization.html	1.1	/ITSM/ABCService/amortization/projec...	31-Aug-2006 1
Filesystem	Add	help/page1.html	1.1	/ITSM/ABCService/amortization/projec...	31-Aug-2006 1
Filesystem	Add	help/page2.html	1.1	/ITSM/ABCService/amortization/projec...	31-Aug-2006 1
Filesystem	Add	help/page3.html	1.1	/ITSM/ABCService/amortization/projec...	31-Aug-2006 1
Filesystem	Add	AccountClosure.html	1.3	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	AccountCreation.html	1.4	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	BondPurchase.html	1.3	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	forms.html	1.1	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	FundsTransfer.html	1.3	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	LoanAgreement.html	1.3	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	MortgageAgreement.html	1.3	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	NameChange.html	1.3	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	Privacy.html	1.4	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	StockPurchase.html	1.2	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	StockSale.html	1.2	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	Warranty.html	1.2	/ITSM/ABCService/forms/project.pj	31-Aug-2006 1
Filesystem	Add	abc_background.gif	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	abc_menu_logo.gif	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	abc_welcome.jpg	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	menu_amortization.gif	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	menu_forms.gif	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	menu_home.gif	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	menu_savings.gif	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	menu_stock.gif	1.1	/ITSM/ABCService/images/project.pj	31-Aug-2006 1
Filesystem	Add	New_User.html	1.1	/ITSM/ABCService/itil_documentation/i...	31-Aug-2006 1
Filesystem	Add	PC_Change_Model.gif	1.1	/ITSM/ABCService/itil_documentation/i...	31-Aug-2006 1
Filesystem	Add	Reset_Password.html	1.1	/ITSM/ABCService/itil_documentation/i...	31-Aug-2006 1
Filesystem	Add	Upgrade_PC.html	1.1	/ITSM/ABCService/itil_documentation/i...	31-Aug-2006 1
Filesystem	Add	Change_Flowchart_Combined.gif	1.1	/ITSM/ABCService/itil_documentation/i...	31-Aug-2006 1

Detailed artifact logs provide a record of each artifact deployed

MKS Integrity also offers:

MKS Integrity for Portfolio Management

MKS Integrity for Process and Workflow Management

MKS Integrity for Requirements Management

MKS Integrity for Configuration Management

MKS Integrity for Test Management

Implementer for System i

- Uniquely identified deployment requests provide the unit of work for deployment of a set of artifacts to a specific target. Incremental deployments at the granularity of a change package are supported.

- Deployment types map sets of managed artifacts to sets of deployment actions, forming the templates for deployment requests and ensuring repeatability of deployment scenarios.

- JavaScript based deploy actions specify the logic to be executed by the Agent as one step in the deployment sequence defined by a Deployment Request, and provide fine-grained control over the deployment sequence. Deployments can be full or incremental, scheduled or immediate.

- Use of change packages automatically associates staging and deploy activities with lifecycle processes through MKS Integrity issues.

- Staging systems can have arbitrary numbers of stages. Each stage provides full control over deployment options.

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

If you are installing MKS Integrity for Release Management 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.

MKS

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