

**> Integration with Eclipse development tools**

Traditionally TD/OMS is available through 5250 terminal emulation. Windows users with a connection to the IBM i, can use the Graphical User Interface to manage TD/OMS requests, tasks and components. The TD/OMS GUI is developed within the Eclipse IDE. The GUI is available as a standalone version or as a plug-in installation within an existing eclipse environment (such as RDP). The GUI offers additional functionality including:

- ▣ INTERFACING WITH TEAMING, SUBVERSION AND MAVEN
- ▣ TASK-FOCUSED DEVELOPMENT
- ▣ GRAPHICAL IMPACT ANALYSIS
- ▣ PLANNING IN GANTT CHART VIEW
- ▣ 4GL SUPPORT FOR NON IBM I COMPONENTS

**> History & traceability**

TD/OMS registers all status changes in the history repository when components pass through the predefined cycle. Depending on the cycle definition the history will include version changes, source archiving and ratification information. The registered information can be viewed at a request, task and component level. TD/OMS contains a number of standard reports. An easy to use interface is available to create customized reports with the Eclipse reporting tool BIRT.

**> Third party Software Change support**

Most organizations do not have proper Software Change Management tooling in place to support software changes coming from third party software. By implementing the right Software Change Management tooling, that can easily track and manage changes from third party software vendors, you will minimize your risks and improve the quality of the implemented software changes. TD/OMS offers software change management support for products such as BPCS (Infor) and JD Edwards (Oracle).

**> TD/OMS & Gravity synergy**

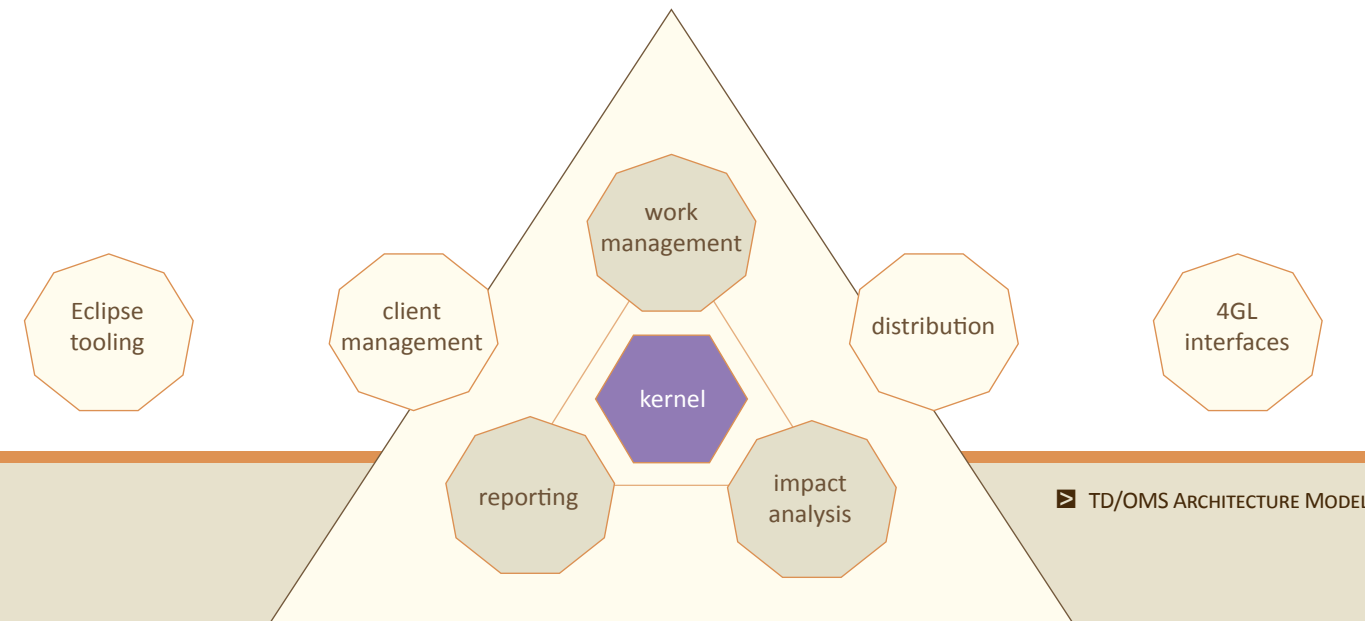
Customers who choose Software Change Management solution TD/OMS can also benefit from using our ALM Workflow Management solution, Gravity. Utilizing Work Management, you can easily make a connection between the Gravity Work Document and the TD/OMS Request and Fix. Within Gravity you can create a very granular document structure so that TD/OMS will be enriched with options to create Projects, Releases, User Stories and other types of documents before work is promoted to TD/OMS fixes. When TD/OMS fixes are completed, a message will be sent back to Gravity. You can also use the Gravity Work Management module to create required documents, and launch a preliminary process before the actual development starts. After TD/OMS processing is finished, the workflow can be completed in Gravity which enables complete, full-circle Enterprise Change Management. You will quickly notice how ALM Workflow Management functionalities combined with TD/OMS can significantly improve software development process quality.

*An effective SCM system can substantially improve software development, testing and deployment, streamline processes, reduce software defects, and ultimately enhance customer satisfaction.*

**> TD/OMS**

**Making Change Simple**

**REMAINSOFTWARE**



- ▣ Kernel Transfer Information Management
- ▣ Business Intelligence Reporting
- ▣ Eclipse GUI 5250 Emulation
- ▣ Impact Analysis Components View Connection Rules Source Scanning
- ▣ Build Creation Maven Integration Subversion Integration
- ▣ Teaming Interface Component Checking Component Deployment
- ▣ TCP/IP Queueing Object Receiving Object Distribution
- ▣ LANSAs, Magic, IDDOS, CA Plex, CA 2E, AS/SET, ProGen, Adequat

▣ CONNECTED DEVELOPMENT



**> About Remain Software**

Remain Software, established in 1992, is an independent software vendor delivering innovative solutions that support the entire Application Lifecycle Management, from requirements through design, development up to deployment and testing. Remain Software is an agile customer focused organization. More than 20 years' experience and a positive track record allowed Remain Software to become the recognized Application Lifecycle Management solutions provider in the world and the market leader in the Benelux.

**> Partners**

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**> Latin America Partner**



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**> TD/OMS Software Change Management**

SOLUTIONS FOR: ▣ IBM I ▣ UNIX/LINUX ▣ WINDOWS

Organizations need flexibility and control for their business critical software development. They require cost effective tools that will take them in to the future. An effective Software Change Management (SCM) system can substantially improve software development, testing and deployment efficiencies, streamline processes, reduce software defects, and ultimately enhance customer satisfaction.

## Introducing TD/OMS

TD/OMS is a flexible and cost effective software change management solution supporting IBM i, Windows and UNIX/Linux. The basics of TD/OMS incorporate fundamental IT business processes such as Incident Management, Configuration Management, Version Management, Release Management, Life Cycle Management and Software Distribution & Deployment. The IT organization is supported in streamlining the change process of any type of application, no matter the complexity of the environment. TD/OMS gives complete control over the software life cycle process. It provides a real time overview of software components and configuration. Compliancy and auditing requirements can be easily met due to the registration of all component movements.

## Business benefits

- ✦ IT COSTS OPTIMIZED
- ✦ SIGNIFICANTLY INCREASED PRODUCTIVITY
- ✦ SHORTENED TIME TO MARKET
- ✦ TEAMWORK IMPROVEMENT
- ✦ INCREASED IT RELIABILITY AND CONTROL
- ✦ STANDARDIZED WAY OF WORKING
- ✦ INTEGRATION TO ALL TRADITIONAL IBM I AND ECLIPSE BASED DEVELOPMENT PLATFORMS
- ✦ MULTI-METHODOLOGY SUPPORT
- ✦ SUPPORT OF LAWS & REGULATIONS, COMPLIANCIES (SOX, ISO, BASEL II, ETC.) AND IT BEST PRACTICES
- ✦ THIRD PARTY APPLICATION SOFTWARE CHANGE SUPPORT
- ✦ GAINED VISIBILITY
- ✦ WORKLOAD PREDICTABILITY
- ✦ QUICK IMPLEMENTATION TIME
- ✦ REDUCED RISK IN BUSINESS

## WHO CAN BENEFIT FROM USING TD/OMS?

The TD/OMS Software Change Management solution of Remain Software is for companies that want to streamline software development process, reduce costs of IT, improve the workflow, implement IT best practices and need to be compliant to law & regulations such as Basel II, SOX, IT audits, HIPAA and so on.

## Rules based process definition

Due to its flexible architecture, TD/OMS can support any number of software change cycles. These cycles can be completely independent from each other and a cycle can consist of an unlimited number of process steps. Each step can contain an unlimited number of (virtual) location definitions. Each component type (whether software, documentation or another component type) will follow its own path within these location definitions. Other sub-processes within the cycle, such as distribution and ratification are important parts of the process definition. Cycle and process steps can be customized at predefined exit points.

## Flexible change cycle support

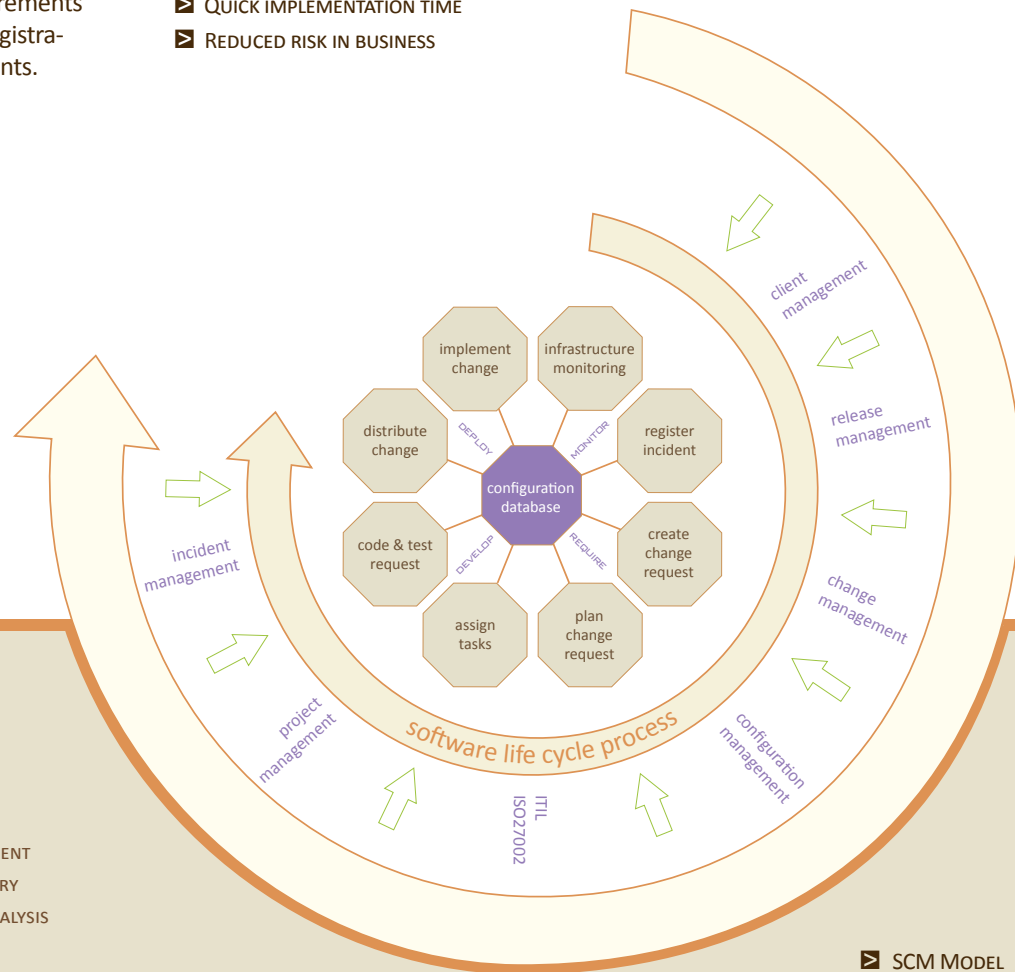
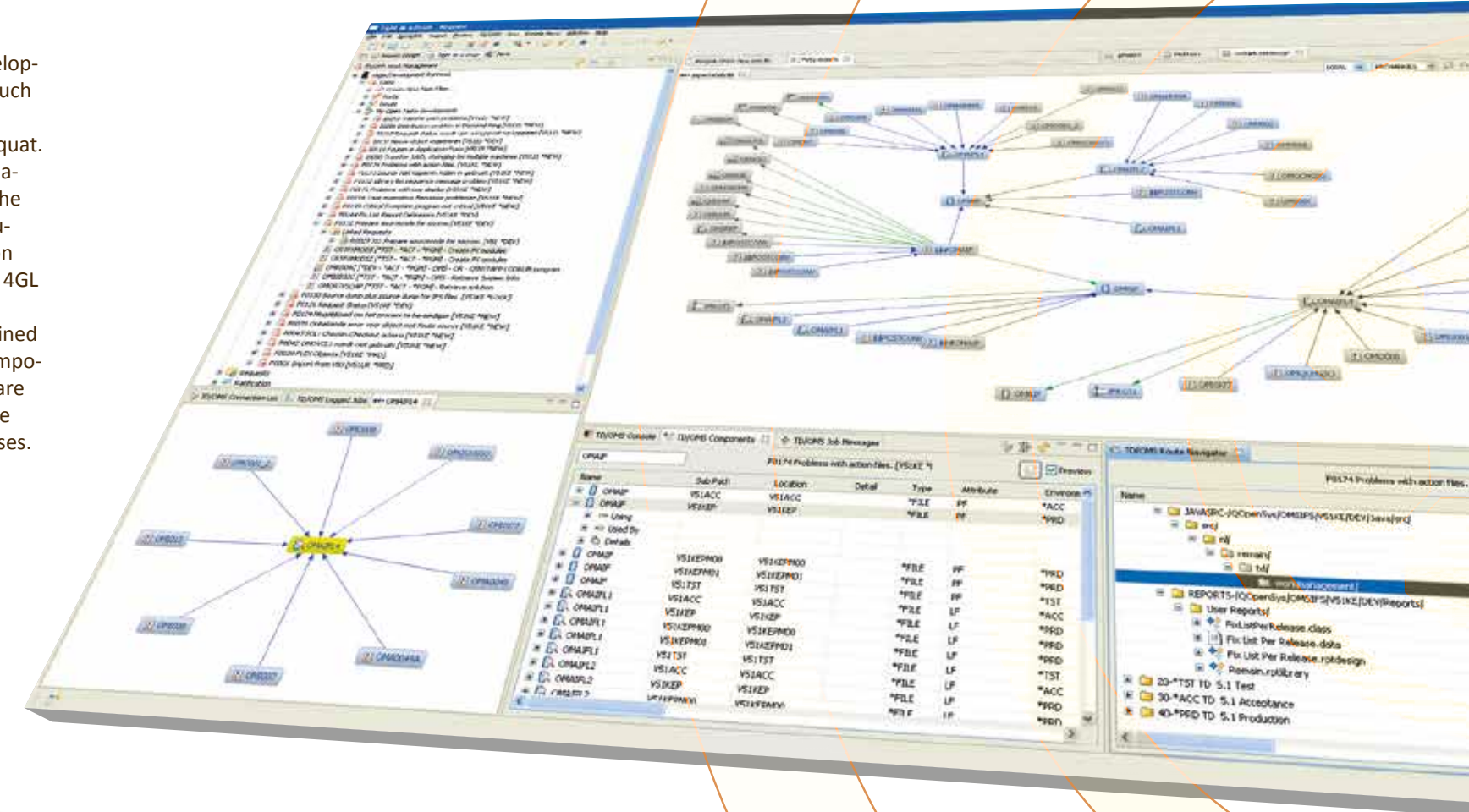
Within the process definition any software change cycle can be linked to one or more other cycles. Linking cycles enables simultaneous maintenance of different versions of a specific component. Cycle linking can be activated when the changing business requirements demand (or deactivated when no longer required), enabling TD/OMS to meet the software change management requirements of any type of organization: From small companies, only maintaining a couple of interfaces, to large enterprises delivering software all over the world.



## 4GL interfacing

TD/OMS integrates with 4GL tools such as LANSAs, CA 2E, CA Plex, IDDOs, MAGIC, AS/SET, ProGen and Adequat. The 4GL interface component/relation information retrieved from the respective 4GL repository is populated in the TD/OMS configuration database. Relations between the 4GL components and the (generated) non 4GL components are maintained automatically. As a result 4GL components and non 4GL components are treated in a similar way within the TD/OMS cycle and all sub-processes.

Powered by **Remain Software**



## TD/OMS Features

- ✦ RULES BASED PROCESS DEFINITION
- ✦ FLEXIBLE CHANGE CYCLE SUPPORT
- ✦ 4GL INTERFACING
- ✦ INTEGRAL WORK (FLOW) MANAGEMENT
- ✦ COMPONENT & RELATION REPOSITORY
- ✦ EASY TO USE GRAPHICAL IMPACT ANALYSIS
- ✦ SOURCE COMPARE & MERGE
- ✦ TRANSFER & DISTRIBUTION TO MULTIPLE PLATFORMS (IBM I, UNIX/LINUX, MAC AND WINDOWS)
- ✦ INTEGRATION WITH ECLIPSE DEVELOPMENT TOOLS
- ✦ HISTORY & TRACEABILITY
- ✦ EMERGENCY CHANGE SUPPORT
- ✦ ROLLBACK SUPPORT
- ✦ OPTIONAL PASSWORD PROTECTED MOVEMENT
- ✦ SCALABILITY

## Component & Relation repository

The TD/OMS configuration database contains component details retrieved from all locations (4GL definitions, libraries and IFS folders) defined. It also contains information regarding the relations between the components (using and used by). These ingredients (together with optional settings provided by the impact analysis module) greatly simplify the selection and connection process of all components maintained within a TD/OMS task. To ensure an up-to-date view the repository is updated real time.

## Integral Work(flow) Management

From initial call registration to final implementation and deployment, TD/OMS is an integrated solution supporting the entire process. A Helpdesk Management System is included. Interfacing with external Helpdesk Management systems is supported. All status changes and component transfers are controlled and monitored. Information about the workflow progress is propagated to a planning module with Gantt chart properties.

## Graphical Impact Analysis

The TD/OMS Impact Analysis presents the component and their related components in a graphical way. The display of related components can be limited by use of filters on specific component and relation types. An unlimited number of filters can be defined. Common standard filters are shipped with the product. The resulting view can be printed, saved to a file and/or used to connect the components to a TD/OMS task.

## Source compare & merge

By activating the source archiving feature, TD/OMS will archive sources for IBM i objects and non IBM i objects in accordance to archive definition settings. This enables the comparison of all former component versions and the comparison of a preceding version with the actual version. When differences are found, one version can be merged into the other version in order to simplify the creation of a new version of the component.

## Transfer & Distribution

The TD/OMS transfer mechanism takes care of all required activities to transfer the components to the next phase. Components will be placed in the correct locations and conversions will be executed when appropriate. As part of a transfer, components may be distributed to another system on the IBM i, UNIX/Linux, MAC or Windows platform. Progress is reported back to the distributing system to enable centralized process monitoring. The TD/OMS transfer mechanism incorporates fallback support. Replaced components are restored when a irrecoverable problem occurs during the transfer. Fallback support is available for all component types.

## Large data content management support

An interface for a third party add-on module, MIMIX Promoter (Vision Solutions) called TimeFlash supports the change management of large data files in a live (production) environment. TimeFlash makes data content copying and the final replacement of a file as fully separated processes, all actual data of the file is copied to a separate duplicate of a newer version of the file and all changes to the file are updated into the duplicate. As soon as the file in process becomes available, the original one is set apart and the duplicate will be transferred to the active location. TimeFlash streamlines and speeds up the software change process, significantly decreases downtime caused by updating data files and reduces the amount of time needed for deployment.