



**MIDRANGE DYNAMICS GMBH**

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## 3<sup>rd</sup> PARTY SOFTWARE

MIDRANGE DYNAMICS  
CASE STUDY

**A large number of IBM i (iSeries, AS/400) clients have architectures that mix standard 3<sup>rd</sup> party software packages (e.g., Eri Bancaire's OLYMPIC Banking Package™ or MidasPlus™ from Misys Banking Systems) with their own specific developments. Due to the varying impact of changes, it is often daunting to integrate new versions of 3<sup>rd</sup> party applications.**

MDCMS is specifically designed to handle the tedious, repetitive task of the reception of 3<sup>rd</sup> party modifications into the local environment. The integration effort is often extremely costly and time-consuming - in some cases, companies fail to take advantage of new major releases, which could add much needed functionality, because of the time and complexity involved.

MDCMS solves this problem by automating (in some cases 100% of) the integrity checks, impact analysis, and implementation of the modifications or new versions to be integrated. The integration process for software packages can often be reduced to just one hour.

MDCMS guarantees the integrity of items transferred to production, thereby ensuring the nonregression of the information system. By automating control procedures and impact analysis tasks, MDCMS simultaneously improves productivity and reduces the risk of errors in the transfer to production phase.

MDCMS provides every function necessary to handle changes to IBM i (iSeries, AS/400) -based applications. All of the following processes are incorporated into one powerful, affordable and highly flexible product:

- Project management
- Analysis management
- Source and Object management
- Installation management
- Distribution management
- Audit management

### **Project management**

- Central online tool for the business user or team leader to enter project or issue requests.
- Track requests by programmer, status, due date, etc.
- References all objects modified, or commands performed, for project.
- Project information automatically syncs across all systems
- API easily interfaces the MDCMS Project Manager with external project management tools.
- Report generator provides various online, paper or electronic reports.

### **Analysis management**

- MDXREF is included free with MDCMS so that the developer or business user can quickly navigate through the objects and data of an application.
- Search entire database for specific fields or field attributes.
- Comprehensive journal analysis for finding and reporting data transactions.
- Powerful comparison tools to search for differences at the library, object or data level of an application.

Automate 3<sup>rd</sup> Party Software Reception with MDCMS



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## Source and Object management

- Reservation system for source and objects to be modified. No risk of version conflicts in a team environment.
- Developer workspace within MDCMS for all necessary editing, compiling, testing and reporting needs.
- Rules easily set by administrator so that the source and objects are always handled in the correct manner.
- All IBM i object types, including IFS streamfiles, message descriptions and data records are handled by MDCMS.
- MDCMS can act as a standalone product for the versioning and management of non-IBM i programming projects. It also works in combination with open systems version control systems such as CVS and Subversion.
- Objects in libraries delivered from external vendors can be quickly selected for migration into your environment.
- When a file is to be modified, all dependent files, programs, queries, etc., may also be automatically selected for modification or recompilation.

## Installation management

- Pre-Installation Checker to warns of any conflicts, missed objects, etc.
- Previous versions of source and objects are archived (up to 99 generations per object). If necessary, part or all of an object package may be rolled back at any time in the future.
- Data in modified files are mapped to new format.
- All necessary object authorities are applied.
- Commands may be defined to run before or after the installation is complete.
- If an installation cannot be completed, it is automatically rolled back and detailed error reporting is provided.

- Scheduler for hands-free installations while users are not on the system.
- Environments may be set to require approval from an authorized user before an installation may occur.

## Distribution management

- Simultaneously distribute object packages to unlimited IBM i servers or partitions via FTP, SNA or tape.
- Allows for differences in operating system versions.
- Selectively send only source, only objects, both or neither.

## Audit management

- All functions in MDCMS are individually secured by MDSEC to prevent unauthorized access.
  - Comprehensive logging is performed each time an installation occurs. The detailed information may be viewed online or a customized report may be created by the report generator.
  - Detailed audit reporting for object modifications made outside of MDCMS ensures that you will know every change made to your applications at the data and object level.
  - MDCMS has been verified as Sarbanes-Oxley compliant by major external and internal auditors.
- If your IT shop needs to quickly conform to Sarbanes-Oxley regulations, MDCMS will remove one large obstacle for you.

Automate 3<sup>rd</sup> Party Software Reception with MDCMS