
MIDRANGE DYNAMICS

providing innovative IBM i solutions



MDSEC

Application Security System
for IBM i

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MIDRANGE DYNAMICS
MDSEC



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MDSEC - Application Security System for IBM i

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MDSEC, the same product that prevents unauthorized access to MDXREF and MDCMS, may also be used to protect your own in-house IBM i applications.

The programmer simply describes an application function to MDSEC and then MDSEC assigns a security code to that function. The programmer then embeds a call to MDSEC's security checking function with the security code inside the necessary program(s) and a reply is given as to whether or not the user is authorized to the function.

The individual user authority levels can easily be set in seconds via the included security administration tools.

MIDRANGE DYNAMICS PRODUCTS:



**MDCMS -
Change Management System
for IBM i:**
Modify, install, and distribute
application changes.



**MDXREF -
Application Navigation System
for IBM i:**
Cross-reference entire applica-
tions for object navigation

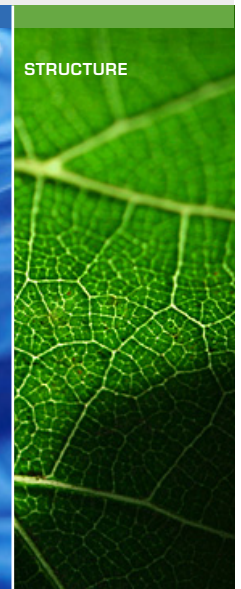
CONTROL



FLOW



STRUCTURE



CLIENTS

AXA Winterthur

Credit Suisse

Daimler

Helvetia Seguros

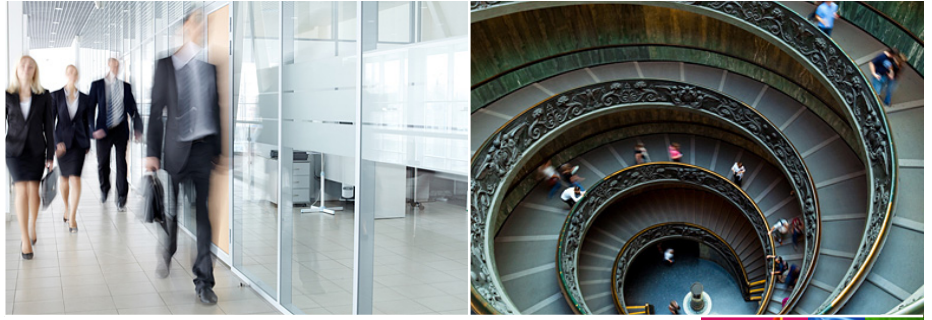
Migros Pensionskasse

REHAU

SANITAS Healthcare

Segur Caixa

UBS



Application Security System
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MDSEC

Authority levels handled by MDSEC

- a user or group of users
- an application or group of applications
- general authority to an application's function
- reduced authority to an application's function based on set limits (for example, the user is only allowed to delete an item if it has a value of less than 500).

Authorization List manager

The management of IBM i authorization lists is very cumbersome when done using the commands supplied by IBM.

Included in MDSEC are the following tools for managing authorization lists:

- search lists for a specific user.
- change or remove authorizations for all users in a list at once.
- change or remove all lists for a user at once.
- map the authorization list entries for one user to another user or group of users.
- create, edit or delete the lists themselves.

DDM Security

DDM stands for Distributed Data Management and provides a simple means for accessing and updating data on a target IBM i using programs running on a local IBM i system.

MDCMS, for example, uses DDM for synchronizing Project and Workflow information as well as for tracking object migrations across systems. If DDM is allowed to be used without sufficient security measures in place, then a significant risk exists that data could be read and manipulated by otherwise unauthorized persons.

The DDM Security feature of MDSEC provides the following features:

- Filter access by user profile
- Filter access by library
- Filter access by individual files, data queues or data areas
- Filter by usage (view or update)
- Filter by transaction types
- Log some or all DDM transactions

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MIDRANGE DYNAMICS
Since 1998



Design: red Gráfica - netz Grafik / Palma de Mallorca - Zürich

FACTS

About Midrange Dynamics

Midrange Dynamics' tightly integrated and reasonably priced product line focuses on change management, application analysis, development and software distribution. The company has provided application development software and consulting services for IBM i (iSeries, AS/400) systems from its headquarters in Switzerland since 1998. In addition to on-site product support and training, it offers consulting services in the area of change management. Recognized for ease of use and reliability, Midrange Dynamics' application lifecycle management solution dramatically reduces the time and risk involved in understanding, changing and migrating application objects. It fully supports regulatory compliance efforts.
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Products

- Our product line focuses on application analysis, development and distribution. These tools dramatically reduce the time and risk involved in understanding, changing and migrating application objects.
- We provide on-site product support and training.

Services

- We have consultants available for projects of any duration. All of our consultants have many years of practical experience and are qualified to work on a wide variety of hardware platforms in many business sectors.
- In addition to support and training for MD products, we can provide consultants for the following (partial list): IBM i programming/analysis using COBOL, RPG, C, ILE; SQL interface programming between UNIX, PC, and IBM i systems; LAN administration, training and support; project management and business analysis for the financial sector.

BLACKBOARD

- Midrange Dynamics announces the availability of MDWorkflow, an extension of MDCMS change management. MDWorkflow is a flexible, web-based application for centrally managing projects, tasks, object deployment and structured workflow across all systems. It facilitates team collaboration and ensures a documented and well communicated software development process throughout your organization.
- One of the world's largest utility companies has licensed MDCMS to efficiently and securely manage changes to all of its IBM i applications.
- Midrange Dynamics is pleased to announce the availability of the new MDOpen plug-in for MDCMS. MDCMS and the new MDOpen plug-in provide every function necessary to manage application changes for IBM i and multiplatform environments, including UNIX, LINUX, Domino and .net development. MDCMS and MDOpen can be used with any Eclipse-based platform.
- Distributed Data Management (DDM) Security in MDSEC 6.6 can exclude unauthorized users and manage which data objects may be accessed or manipulated via DDM.
- A large Swiss Bank with local presence in Europe, Latin America, the Middle East and Asia licensed MDCMS to manage and distribute updates for its Olympic Banking applications.
- The latest version of MDCMS, which handles Open Platform objects using the graphical Eclipse IDE, began intensive testing at a large customer installation.
- One of the largest banks in Spain with strong presence in Latin America licensed MDCMS to manage and distribute updates for its Midas Banking applications.

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