

Identity Recognition Middleware:

Resolve, Relate, Make Anonymous Files

Market Opportunities, Market Forecasts, and Market Strategies
2005-2011



- Identity Resolution Middleware Executive Summary
- Identity Resolution Middleware Market Driving Forces
- Identity Resolution Middleware Market Shares
- Identity Resolution Middleware Market Forecasts
- Identity Resolution Middleware Market Definition and Market Dynamics
- Resolve, Relate, Make Anonymous Files
- Middleware Product Description
- Identity Resolution Middleware Technology
- Identity Resolution Middleware Company Profiles

Highlights –

Anonymous resolution, identity resolution, and relationship resolution are part of a broad solution. Identity resolution solutions provide efficient ways to search huge amounts of information looking for comparisons that match. Systems are different from relational database functions; they eliminate the join function commonly used in relational databases creating systems that operate at much higher speeds than a database.

SOLUTIONS PROVIDE EFFICIENT
PROCESSING OF NAMES, ADDRESS-
ES, SS NUMBERS TO MAKE IDEN-
TITY INTERCONNECTIONS

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Identity Recognition Middleware Solution

Anonymous resolution, identity resolution, and relationship resolution are part of a broad solution. Identity resolution solutions provide efficient ways to search huge amounts of information looking for comparisons that match. Systems are different from relational database functions; they eliminate the join function commonly used in relational databases.

Elimination of the join function is needed to create realistic speeds needed to do rapid searches. Elimination of the join function makes processing more rapid. Identity resolution looks at addresses, names, social security numbers, dates, and customer history to make interconnections between different identity records. Systems provide a fundamental fraud protection capability.

A company might get two records in and not be able to tell with certainty that they are related to the same person. Weeks later, another record might provide new information, making it clear that all three of the records are the same person. Entity resolution grows this understanding. Middleware accumulates context about identities.

ELIMINATION OF THE JOIN FUNCTION IS NEEDED TO CREATE REALISTIC SPEEDS FOR RAPID SEARCHES.



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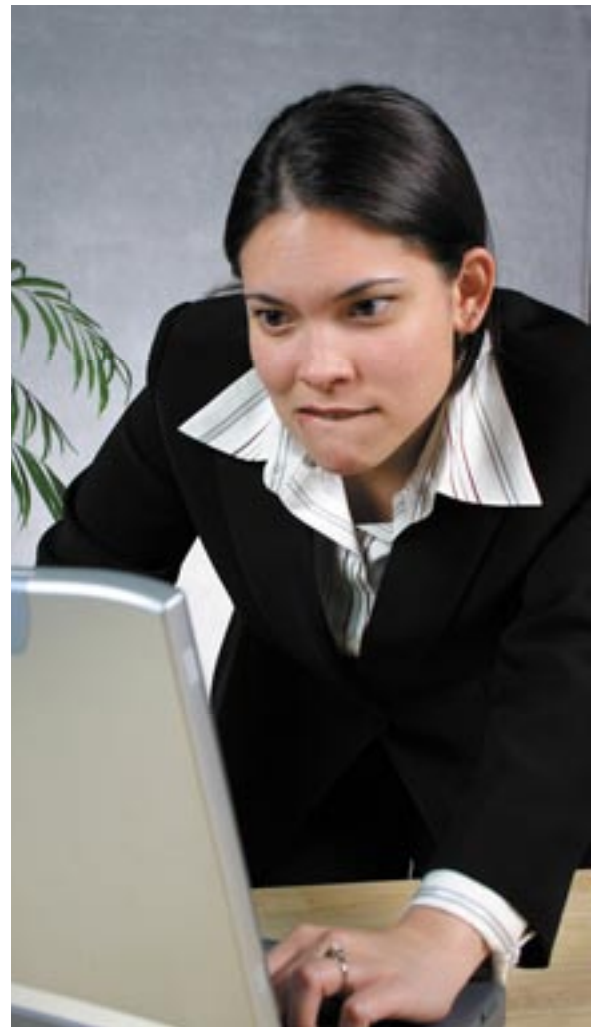
Identity Recognition Middleware Solution

The market growth will come from the speed and scalability of processing systems as that capability is applied to business process and business objects. Business process efficiency depends on making correlations between events and determining correlations. Business skill is an art, figuring out what events and correlations to look for, but the business analysts need tools that work efficiently to process the massive amounts of information available and coming in an unrelenting stream.

Identity resolution middleware can be used in business process management (BPM) to enable the design, analysis, optimization, and automation of business processes. It does this by separating process logic from the applications that run them; managing relationships among process participants; integrating internal and external process resources; and monitoring process performance. The ability of identity resolution middleware to process objects quickly provides a way to scale analysis of business processes.

Entity resolution license, maintenance and services shipments market analysis indicates that markets at \$68.4 million in 2004 are forecast to reach \$7 billion by 2011. Market growth is anticipated to be a result of the need to resolve differences between the same identity for the purposes of antifraud protection and efficient systems operation between banks and credit card companies.

INCREASED SPEED AND
SCALABILITY OF
PROCESSING SYSTEMS



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Identity Recognition Middleware Solution

- Anonymous resolution
- Identity resolution
- Relationship resolution
 - efficient ways to search huge amounts of information looking for comparisons that match
- Matching related to the same person correlated with information received weeks later
- Middleware accumulates context about identities while leaving original information in place
 - speed and scalability of processing systems
 - capability applied to business process and business objects
- Business process efficiency depends on making correlations between events and determining correlations business analysts need tools that work efficiently to process the massive amounts of information available and coming in an unrelenting stream.
 - Security
 - Accuracy
 - Precision
 - Fidelity
 - Identity recognition
 - Non-obvious relationship extraction
 - Anonymous data sharing
 - Identity-based applications
 - Due diligence
- The impact of both obvious and non-obvious relationships is considered by the identity resolution solutions system. The questions of “Who is Who?” and “Who Knows Who?” cut across a wide variety of business problems. Identity resolution solutions portfolio answers these questions.

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