

InfoPlanet

Vista unica del cliente: integrare i dati che contano.

Esperienze dal settore privato, pubblico e sanità.

Nicola Nodari, *IM Solutions Business Development, IBM Italia*

Business challenges associated with MDM





Improve strategic decision making & business agility

\$

Lower operational costs



Improve customer service and customer intimacy



Enter new markets, introduce new products, gain new customers

Master Data Management



Comply with regulatory requirements and reduce risk















Business drivers – customer examples



Revenue



Qwest Telecommunications

- Leveraged MDM to increase revenue by getting products to market faster than competitors
- Revenue increase over \$10M if time to market is reduced by 2 weeks

Cost



Panasonic

- Reduced the time for creating and maintaining product information by up to 50%
- Reduced data entry errors from 5% to 0.1 %; saves €2 million per year

Agility

MetLife

MetLife

- Shifted from policy-centric systems to customer-centric strategy
- Faster time to market with new services and offerings due to real-time availability of key data

Compliance



Intuit

- Recognized a 300% increase in customer privacy compliance across the entire organization
- MDM created single point of management for a global Intuit identifier for each party

InfoPlanet



Our clients are powering their existing applications & business processes using IBM MDM



Make real-time product offers based on accurate & complete customer data

Bank of America.

Access clinical patient data on demand

Sutter Health With You. For Life.

Know-your-customer compliance & auditing

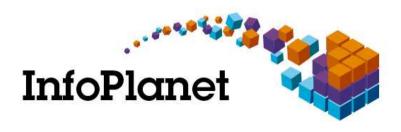


Accurate client identification for software purchasing processes



Reduce time to market with new product introductions





IBM is a leading MDM vendor...



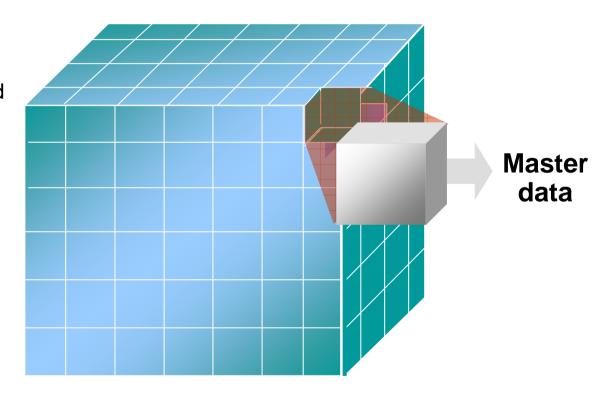
- 600+ customers across a variety
 of different industries
- Clients with 10+ years in production
- Significant 'transactional hub, system of record' implementations
- Implementations of customer/party, account, and product domains
- Implementations of all styles of MDM

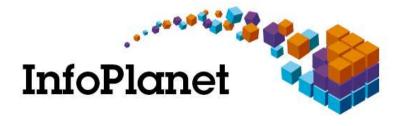


What is Master Data? Why is it important?

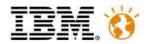


- Master data is a subset of all enterprise data
- Master data is the highvalue, core information used to support critical business processes across the enterprise
- Master Data is information about customers, suppliers, partners, products, materials, employees, accounts and more
- Master Data is at the heart of every business transaction, application and decision





Master data: 1. The problem with existing applications



Process **Existing Business Processes New Business** Customer Billing **Business** Processing Service Account System/ **CRM** Billing Order Entry Application Master Master Master Data Data Data

Data is fragmented among applications.

Existing processes don't have accurate and complete master data – hampers existing processes with incomplete understanding.

There is no process to manage data across applications

Historically each business process required a discrete application.

Who manages processes that span applications? No one.

For companies pursuing an operational efficiency or cost reduction strategy, inefficient data is a major impediment



Master data: 2. The problem with Enabling New **Business Processes**



Business Process

3.

New processes are hard to implement

No application is designed to manage new processes

New processes often span applications

For companies pursuing a differentiation strategy, new processes are the cornerstone of success

CRM

Account System/ Order Entry







Billing

New Business Processes Multi-Channel **New Product** Cross- & Integration Up-sell Introduction 3

- Who is my customer?
- What is their contact History?
- Who is my customer?
- What product should I offer?
- What is my product authoring process?



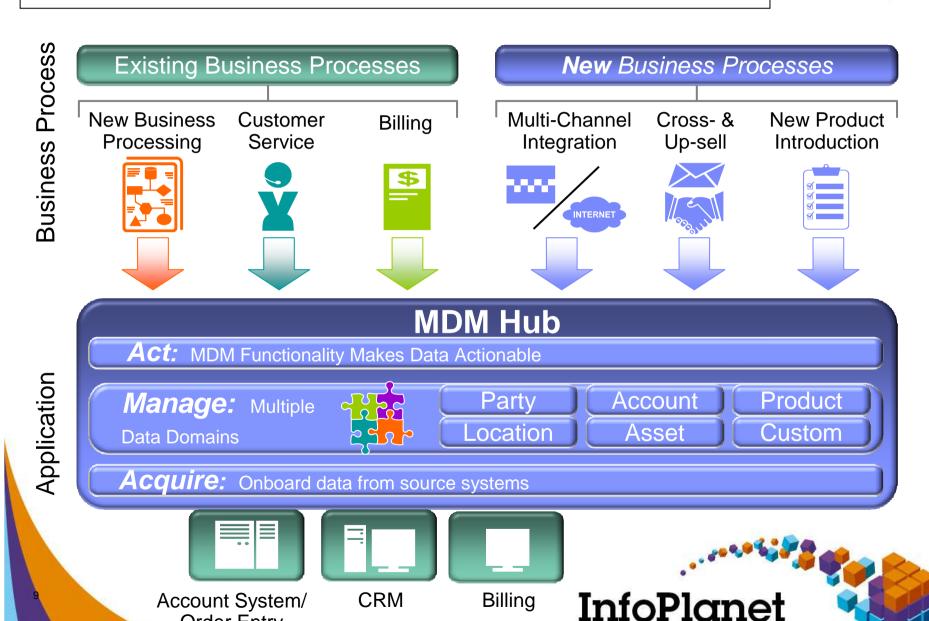


Application

Master Data: The Solution

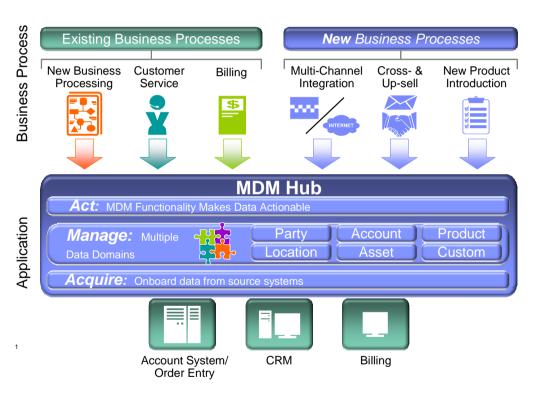
Order Entry





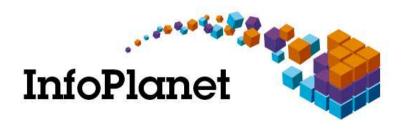
Master Data: The Solution





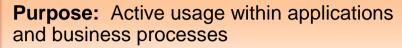
- 1. MDM manages all master data domains the complete profile and supplies needed data in context to consuming applications
- 2. MDM improves existing business processes with accurate and complete master data
- MDM enables new business processes, or re-engineering existing ones, based on MDM functionality
- MDM supports all styles :

Registry, Transaction Hub, Collaborative Authoring



IBM InfoSphere Adaptive MDM: 3 core competencies





- MDM Business Services
- MDM UIs
- MDM UI generation widgets/views

Act

Adaptive

MDM

Event notification

Purpose: Setup MDM and acquire source systems

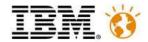
- Discover, Profile, Load
- Configure MDM

Purpose: Create & proactively maintain master data

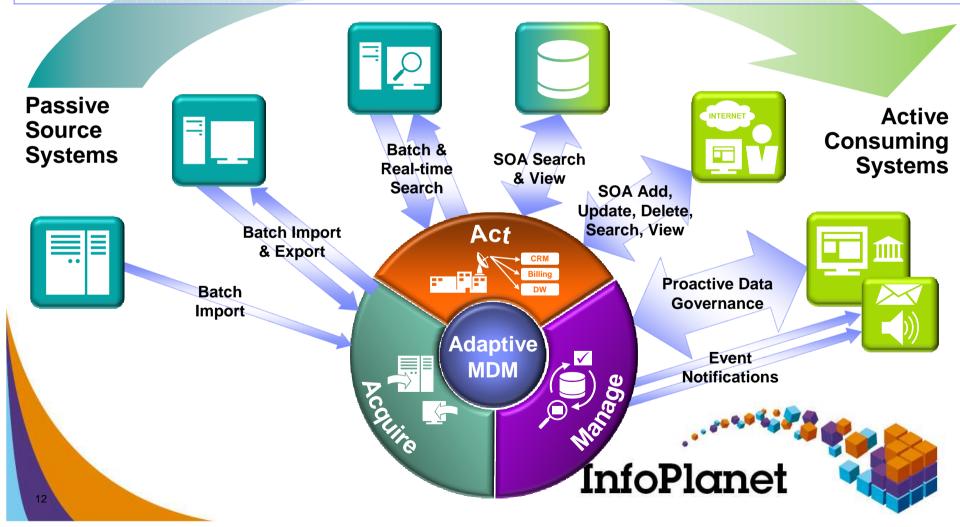
- Data quality and matching
- Multi-domain data
- Enrich core master data



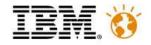
IBM InfoSphere Adaptive MDM: 3 core competencies



- 1. Every meaningful MDM project should leverage ACT capabilities
- 2. The purpose of MDM is to convert passive source systems to active consuming systems
- 3. Significant business value is achieved by active usage of master data vs. passive, after-the-fact reconciliation



Acquire

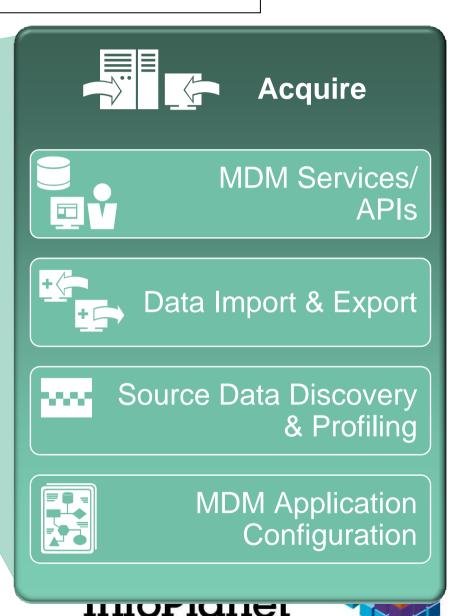




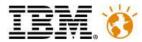
Purpose: Setup MDM and onboard source system data into MDM. Communicate with that source system in batch mode (sometimes called consolidation) preparing that system for more real-time usage of MDM.

Key Differentiators:

- Market leading EII platform Information Server
- 2. Faster time to discover, transform, and load data into MDM
- Ability to configure existing MDM data models and services to meet exact requirements, or configure new domains from the ground up



Discover your Master Data



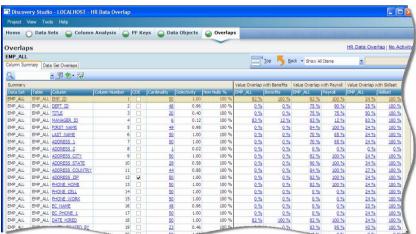
Capabilities:

- Automatically discover and profile your master data
- Identify your master data objects (Ex. Customer, counterparty, invoice)
- Relate master data objects across multiple sources
- Identify critical data elements to populate your MDM solution

Benefits:

 Increase your time to value by automating the analysis of your master data sources

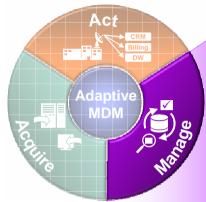






Manage





- Purpose: Create & proactively maintain a single version of the truth
- Key Differentiators:
 - True multi-data domain:
 Pre-built functionality & meaningful relationships among data domains
 - Proactive data management: Detect data patterns, corruption events to get ahead of data quality problems
 - Ability to enrich core domains with "new" MDM-owned data
 - Data storage: Store source records to link and create a virtual view, a single master record, or both (a hybrid)



Matching & searching



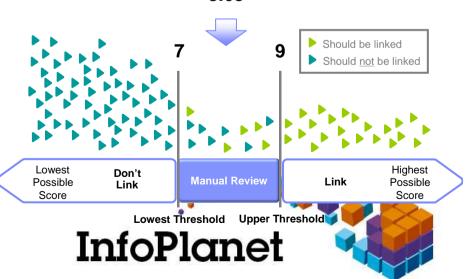
- Step 1: Optimizes data for statistical comparisons
 - Normalizes & compacts data, creates derived data layer source data remains intact
 - Phonetic equivalences, tokenization, nicknames, etc.
- Step 2: Finds all the potential matches
 - Casts a wide net all matches on current or historical attributes, prevents misses
 - Partial matches, reversals, anonymous values, etc.
- Step 3: Scores accurately via probabilistic statistics
 - Compares attributes one-by-one and produces a weighted score (likelihood ratio) for each pair of records
 - Frequency weights specific to your business
 - Edit distance, proximity of match
- Step 4: Custom threshold settings
 - Single or dual threshold models
 - Link, don't link, don't know "learns" from manual input

Data:	Derived:	Hash Buckets:
Robert	RBT	121213444
Potter	PTR	34839020

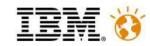


OUTP:2346016980	CED:8069016243	Weight	Match Code
POTTER	POTTER	3.96	Equal Word
ROBERT	вов	0.89	Nickname
А	ALLEN	3.78	Initials matches first character of

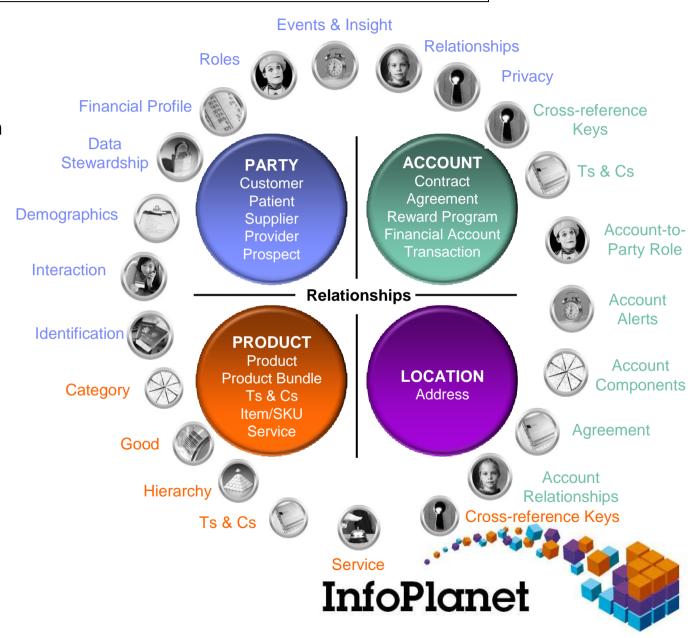
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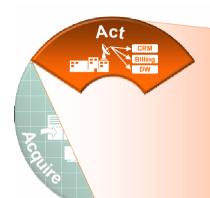
IBM InfoSphere MDM data domains



- Multiple primary domains
 - Party, product, account, location
- Pre-built, multi-domain relationships & capabilities
- Support data objects available to primary domains
 - Interactions
 - Hierarchies
 - Groups/ households
 - Preferences/ privacy
 - Alerts
 - Events







 Purpose: Active real-time use master data within applications business processes. MDM proa communications events to other s

Key Differentiators:

- 1. Significant number of pre-built business services 800+ in total lower cost, faster time to value
- 2. MDM UI widgets and tooling integrate MDM functionality into your existing applications
- 3. MDM user interfaces complete and configurable UIs
- Notification push data to other applications data stores via pub/ sub, batch export





SOA - IBM MDM: Powering your contact center





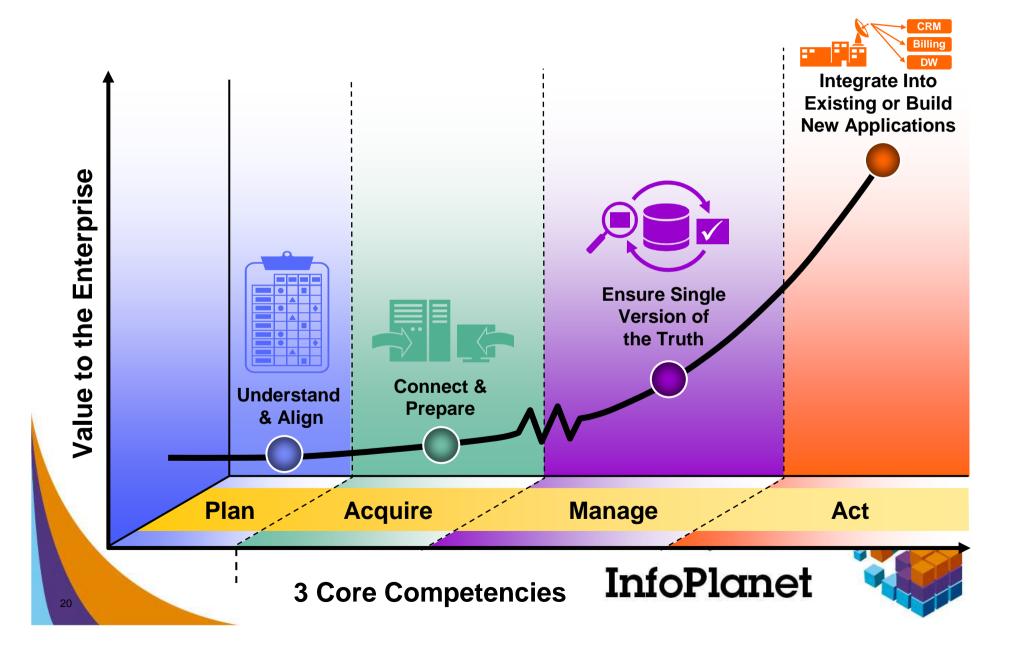
MDM Server - Business Services Categories

Party Demographic Services	Roles-related Services	Customer Service and Sales Services	Account Services	Product Services
Party Basic Demographics Definable Demographics Party Names Party Values Party Search Delete Party Delste Party	Party Macro Roles Contract Party Roles Rebatel/Claim Party Roles Grouping Party Roles Hierarchy Part Roles Relationship Party Roles Search by Party Role	Interaction History Campaigns Privacy Customer Preferences Party Values (Value Notes/Alerts	Contract Contract Component Contract Component Contract Details Contract Details Contract Location Contract Terms & Contract T&C Overnide Contract Poter/Alert	Product Type Hierarchy Product Values Product Search Product Search Product Terms & Product Relationship T&C Product Category Product Legron Product Equivalency ID
Party Relationship Services	Location Services	Data Stewardship Services	Contract Search Product Content Mgmt Contract Relationship Product Relationship Value Package Mgmt Product Structures	Product Relationships
Party Relationships Party Grouping Hierarchy Management Role Relationships Line of Business	Address Contact Method Household Location Group Role Location Address Standardization	Duplicate Suspect Collapse/Split Aggregate View Collapse with Rules Source System Data Data Decay Metadata	Contract Services	Category Hierarchy Category Hierarchy Values Terms & Conditions Terms & Conditions Parm
	Address Demographics	Suspect Search Create Search	Contract Contract Component Contract Party Role Contract Location	
Party Financial Profile Services	Party Identification & Directory Services	Events & Customer Insight Services	Billing Rebate/Claim	History & Audit Services
Bank Account Credit Cards Payroll Deduction Income Source	Party Identification Party Equivalency ID Search Party Equivalency System Key ID Acxiom Ablitec Keys	Party Events Events Customer Value Profile Corruption Management Needs Analysis KYC Questionnaire	Contract Search Contract Relationship Holding Account Histor Product Histor Transaction	Party History Audit Trail Account History Audit Trail Product History Audit Trail Transaction Audit Log Delete Party History

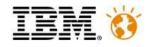
Channel Process:	MDM Service & Data:
Customer: "I am moving next week and I would like my address to be updated"	MDM Service: ■ Update party address
	opulate party address
CSR: "I see you called last month to ask about	MDM Service:
a mortgage"	Get All Interactions by Party
CSR: "I see you didn't open a mortgage with us - may I ask where your mortgage business is held?"	MDM Service:
	■ Get All Interactions by Party
	Add Interaction
	■ Add Interaction Relationship (links to the call last month)
	 Add Account (MDM to store competitive account data in account data model)
CSR: "I see that you were on the website looking	MDM Service:
at mutual funds. May I answer any further questions for you?"	■ Get All Interactions by Party
	Update Interaction TrofoDlorpot
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IBM® MDM: Value to the Enterprise





The MDM Journey – A Client's Perspective



No Organization defines and implements their MDM strategy at one time

The Starting Point

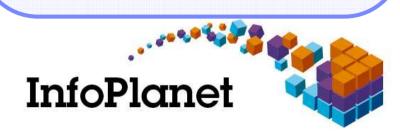
All Clients Initially:

- Identify a particular data domain that needs improving
- 2.Identify a specific business process or application that would benefit from better master data
- 3.Determine which style best suits their initial needs a view, a full master record, or a collaborative authoring system

The Journey

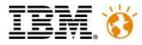
Over time, all clients will:

- 1.Identify new business processes or applications to use the phase 1
 Master Data Domain
- 2. Identify new data domains to be mastered and their relationship to their initial phase 1 data domain
- 3.Identify new requirements to expand their usage style or migrate from one style to another

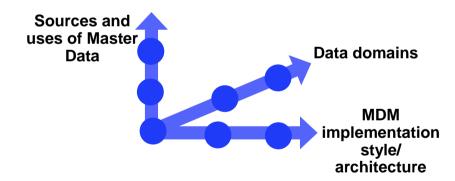




The MDM Journey – A product / technology perspective



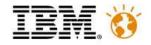
- For large enterprises, a Master Data Management implementation is most successful when executed as a multi-phase journey
 - Minimizes time to value
 - Helps build organizational alignment
 - Reduces risk
- An MDM journey can follow multiple dimensions



■ The IBM® InfoSphere™ Adaptive MDM portfolio offers the broadest set of best of breed MDM capabilities available in the market, and enables clients to advance along their MDM journey with a single, trusted vendor



Our clients: The MDM journey



Starting Point:

Current State:

BEST	Vendor master hub	 Vendor master hub integrated with product domain New product introduction – collaborative authoring for PIM Product master catalogue
WELLPOINT.	Plan member master hub (customer info system)	 Person identity hub (prospects, members) Member master integrated to identity hub Prospect and Blue association prospect data feeds
Nordea 💆	Customer information system – hybrid, small profile	 Expanded customer profile Transaction hub deployment Operational product catalogue Product bundle authoring/creation
Allstate You're in good hands.	Customer-centric view of relationship with Allstate	 Customer hub for party & household Peripherals database for preferences & interactions
SAFEWAY () Ingredients for life.。	Customer master profile	 Customer master profile Vendor and product operational master Collaborative authority of product, vendor, and location





Grazie

