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# Match and Merge Customer Use Cases in MDM SaaS

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### Housekeeping Tips









- Today's Webinar is scheduled for 1 hour
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the Q&A option and we will respond at the end of the presentation
- The webinar is being recorded and will be available on our <u>Success Portal</u> where you can download the slide deck for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the post-webinar survey and provide your feedback and suggestions for upcoming topics.



### Feature Rich Success Portal



Bootstrap trial and POC Customers



Enriched Customer Onboarding experience



Product
Learning Paths
and Weekly
Expert Sessions



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Tailored training and content recommendations



### More Information









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https://success.informatica.com

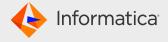
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#### **Documentatio**

https://docs.informatica.com

#### **University**

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# Industry Centric Data Model & Match Strategy

Thousands of organizations across more than 35 industries have implemented Informatica Intelligent

MDM and 360 applications, services of Intelligent Data Management Cloud™ (IDMC). Based on this extensive experience, we came up with five steps to develop the right strategy to implement your MDM solution most effectively:

- 1. Define your business requirements.
- 2. Translate business requirements into technical requirements.
- 3. Select the rights tools and vendors.
- 4. Execute the project.
- 5. Evaluate your results.

#### Identify the business opportunities

Get input from your business stakeholders and leaders to determine the key business objectives they wish to support, the challenges they face and the potential opportunities MDM can deliver.

#### Write down the answers to these questions:

- What are the goals for the business leaders?
- What challenges are they experiencing that impede success?

#### **Examples include:**

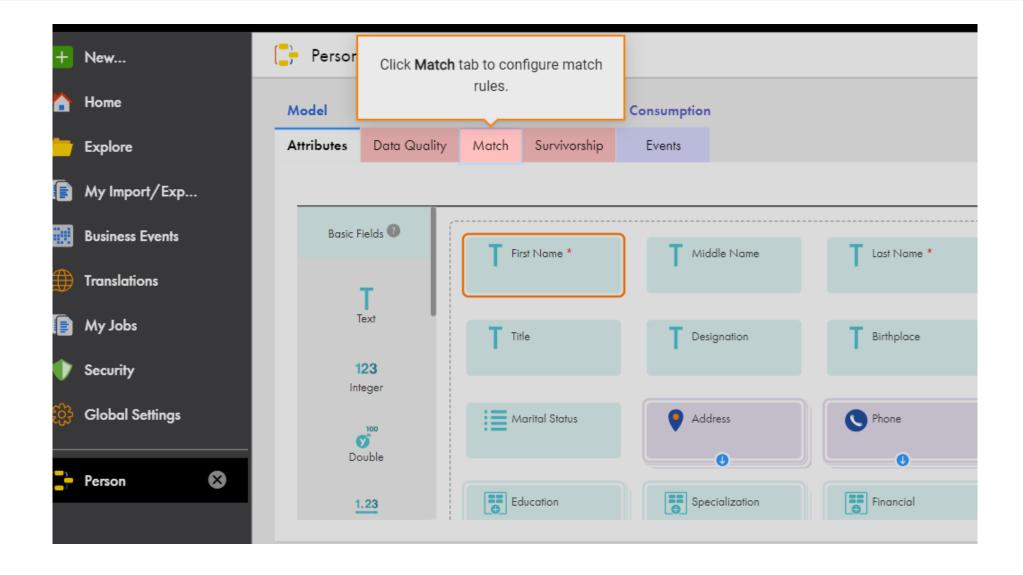
- Deliver relevant experiences to attract, retain and grow customer base
- Reduce procurement costs
- Accelerate financial close
- Increase cross- and upselling
- Increase ROI from marketing campaigns
- Reduce supplier spend and management cost
- Accelerate new product introduction
- Reduce risk associated with large modernization efforts such as ERP

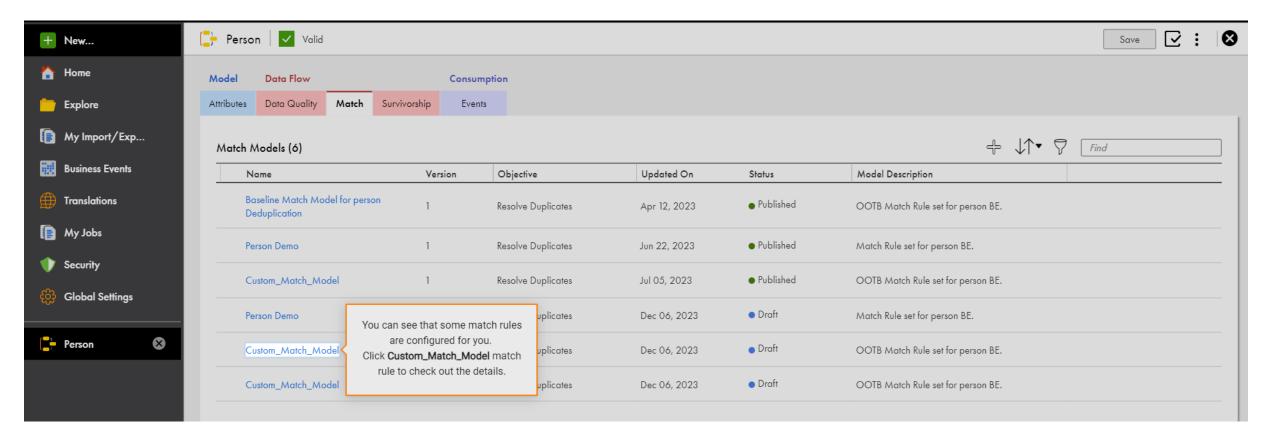
#### **Define functional requirements**

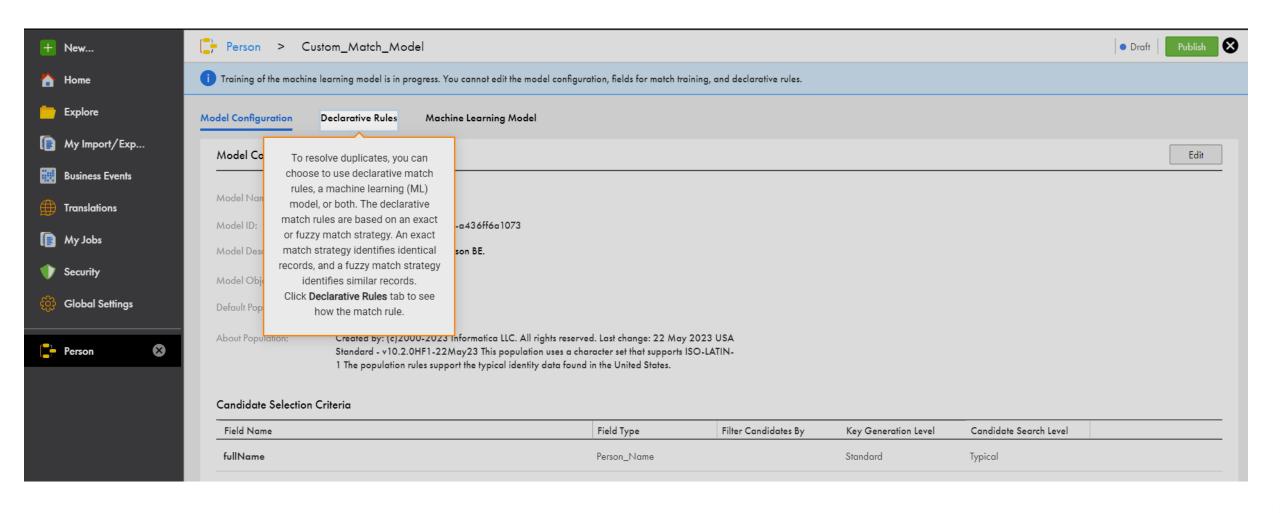
- Functional requirements describe what the software should do. For example:
- The MDM solution should automatically treat two customer records as duplicates if the names, dates of birth, addresses and phone numbers match with a 90% confidence level.
- Data stewards should be able to update multiple records at once to process them quickly and in a
- controlled manner.
- Business users should be able to capture and visualize person-to-person, person-to-company and company-to-company relationships along with historical views.

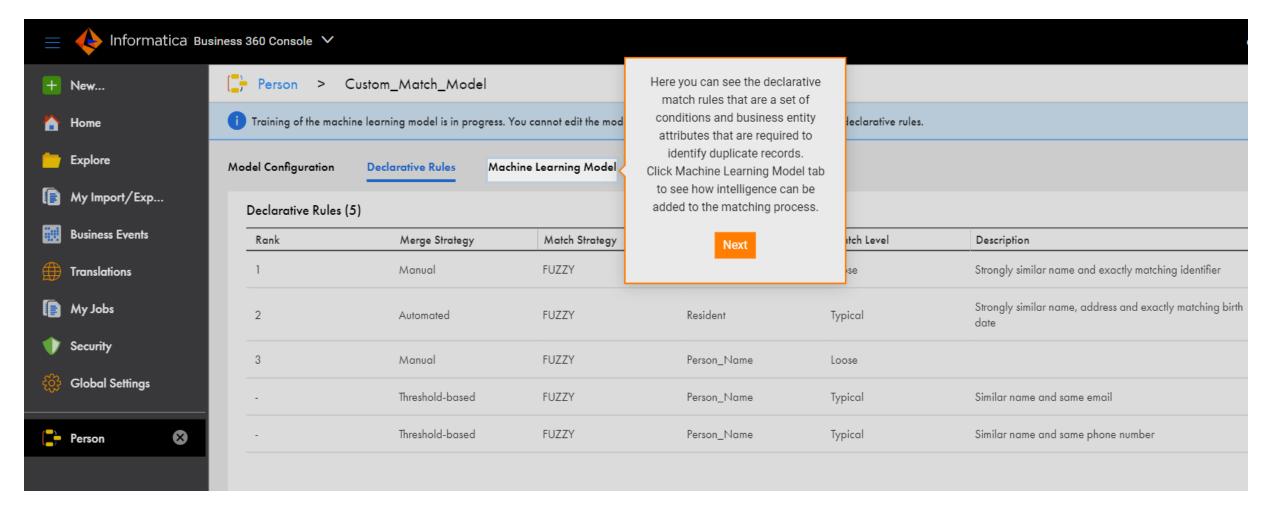
#### Before you configure match and merge, ensure that you meet the following prerequisites:

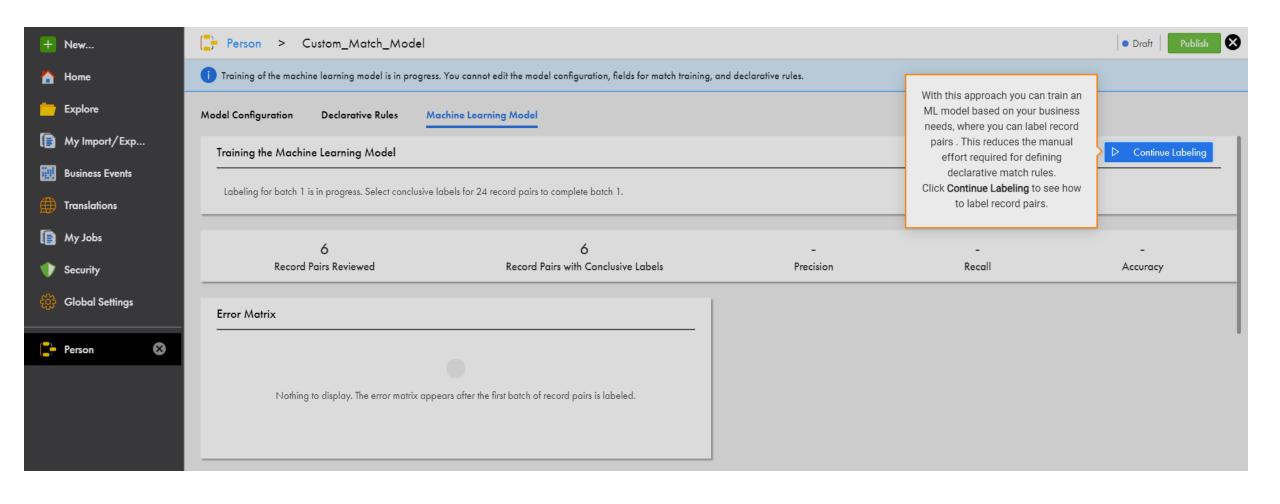
- Understand the business objectives and requirements for matching and merging duplicate data.
- Analyze the attributes and quality of the data that you want to consider for the match and merge process.
- Determine the size of the data set, which could impact the performance of the match and merge process.
- Determine the match population, which improves match accuracy by accommodating variations and errors that are likely to appear in data for a particular population.











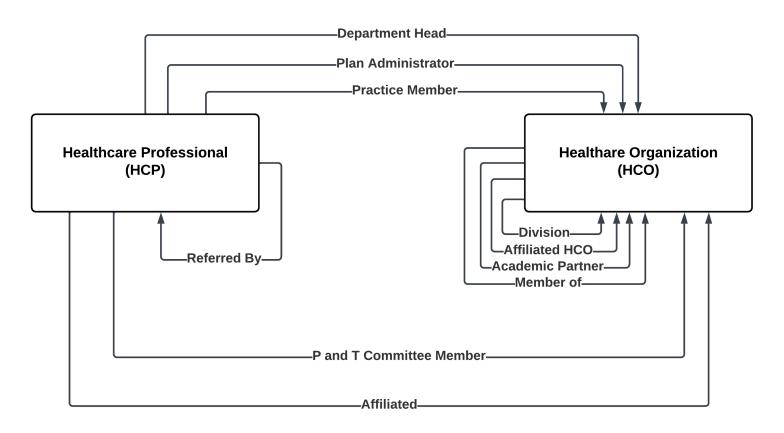
Rule Sequence	Rule Name
1	Ex-Name, Ex-Address, Ex-City, Ex-State, Ex-zip
2	Ex-Name, Ex-Address, Ex-zip
3	Ex-Name, Fuzzy Address, Ex-Zip (Conservative)
4	Ex-Name, Fuzzy Address, Ex-Zip (Typical)
5	Fuzzy-Name, Ex-Address, Ex-Zip (Conservative)
6	Fuzzy-Name, Ex-Address, Ex-Zip (Typical)
7	Fuzzy-Name, Fuzzy Address, Ex-Zip (Conservative)
8	Fuzzy-Name, Fuzzy Address, Ex-Zip (Typical)
9	Fuzzy-Name, Ex Address, Ex City, Ex State, Ex Zip
10	Match Quidel records with OneKey based on OneKey WKP ID

Rank	Merge Strategy	Match Strategy	Match Criterion	Match Level	Description
1	Automated	FUZZY	Person_Name	Typical	DrugEnforcementAgencyNumeric Exact, Full Name Fuzzy
2	Automated	FUZZY	Person_Name	ТурісаІ	DrugEnforcementAgencyNumeric Exact, StateLicenseNumeric Exact, FirstName Fuzzy
3	Automated	FUZZY	Person_Name	ТурісаІ	DrugEnforcementAgencyNumeric Exact, StateLicenseNumeric Exact, LastName Fuzzy
4	Automated	FUZZY	Person_Name	Typical	NationalProviderIdentifier Exact, Full Name Fuzzy
5	Automated	FUZZY	Person_Name	Typical	NationalProviderIdentifier Exact, StateLicenseNumeric Exact, FirstName Fuzzy
6	Automated	FUZZY	Person_Name	Typical	NationalProviderIdentifier Exact, StateLicenseNumeric Exact, LastName Fuzzy
7	Automated	FUZZY	Person_Name	Typical	StateLicenseNumber Exact, Full Name Fuzzy
8	Automated	FUZZY	Person_Name	Typical	DrugEnforcementAgencyNumeric Exact, SocialSecurityLastFour Exact, FirstName Fuzzy
9	Automated	FUZZY	Person_Name	Typical	DrugEnforcementAgencyNumeric Exact, SocialSecurityLastFour Exact, LastName Fuzzy
10	Automated	FUZZY	Person_Name	Typical	NationalProviderIdentifier Exact, SocialSecurityLastFour Exact, FirstName Fuzzy

11	Automated	FUZZY	Person_Name	Typical	NationalProviderIdentifier Exact,SocialSecurityLastFour Exact, LastName Fuzzy
12	Automated	FUZZY	Person_Name	Typical	StateLicenseNumeric Exact, SocialSecurityLastFour Exact, FirstName Fuzzy
				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
13	Automated	FUZZY	Person_Name	Typical	StateLicenseNumeric Exact, SocialSecurityLastFour Exact, LastName Fuzzy
14	Automated	FUZZY	Person_Name	Conservative	Full Name Fuzzy, SSN Last Four Exact
15	Automated	FUZZY	Address	Typical	DrugEnforcementAgencyNumeric Exact, Geocoded Street Fuzzy, Geocoded City Fuzz, Geocoded ZIP Exact,
16	Automated	FUZZY	Address	Typical	NationalProviderIdentifier Exact, Geocoded Street Fuzzy, Geocoded City Fuzzy, Geocoded ZIP Exact
17	Automated	FUZZY	Address	Typical	StateLicenseNumeric Exact, Geocoded Street Fuzzy, Geocoded City Fuzzy, Geocoded ZIP Exact
18	Automated	FUZZY	Resident	Typical	Full Name Fuzzy, Geocoded Street Fuzzy, Geocoded City, Geocoded ZIP Exact,
19	Automated	FUZZY	Person_Name	ТурісаІ	Full Name Fuzzy , TaxID Exact

# Industry Centric Data Model & Match Practices

#### Life Sciences Data Model –HCO & HCP





### Comprehensive Life Science Data Model -Key Entities

#### Health Care Organization

- Subtype
- Location
- Classification
- Segmentation
- Taxonomy

- Taxonomy
- Compliance
- Affiliations

#### Integrated Delivery Networks/ Accountable Care Organization

- Subtype
- Key people
  - Medical/pharmacy directors, physicians, VPs/Directors of Patient Safety/Innovation, CEOs of affiliated hospitals
- Segmentation
  - Patient demography, geography, organizational structures, payment model

#### Health Care Professional

- Subtype
- Designation
- Address
- Phone
- Specialty
- Taxonomy
- License

- Degree/Certificate
- Therapeutic areas
- Segmentation
- Indicators (KOL)
- Preferences (Channel, Content)
- Affiliations

#### **Group Purchasing Organization**

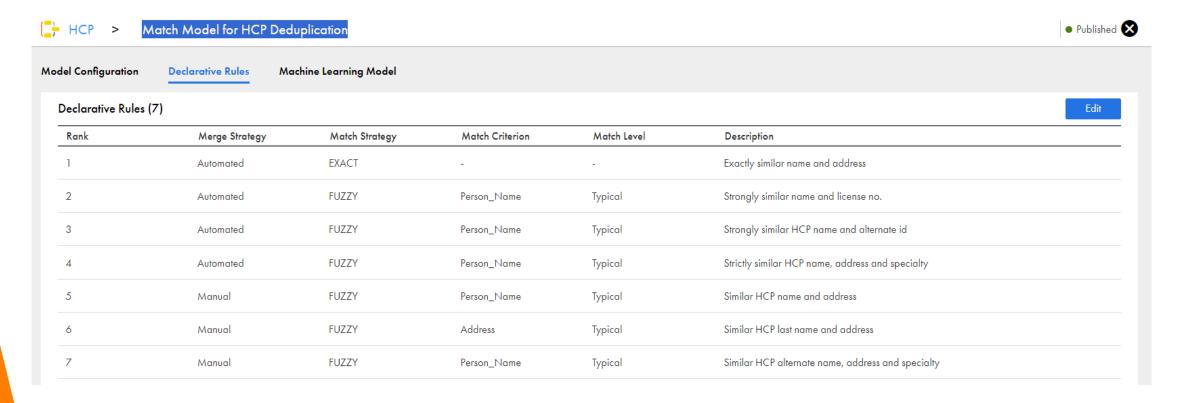
- Subtype
- Relationships

#### Contact

- Designation
- nation Phone
- Address

Communication

#### Match Model for HCP Deduplication

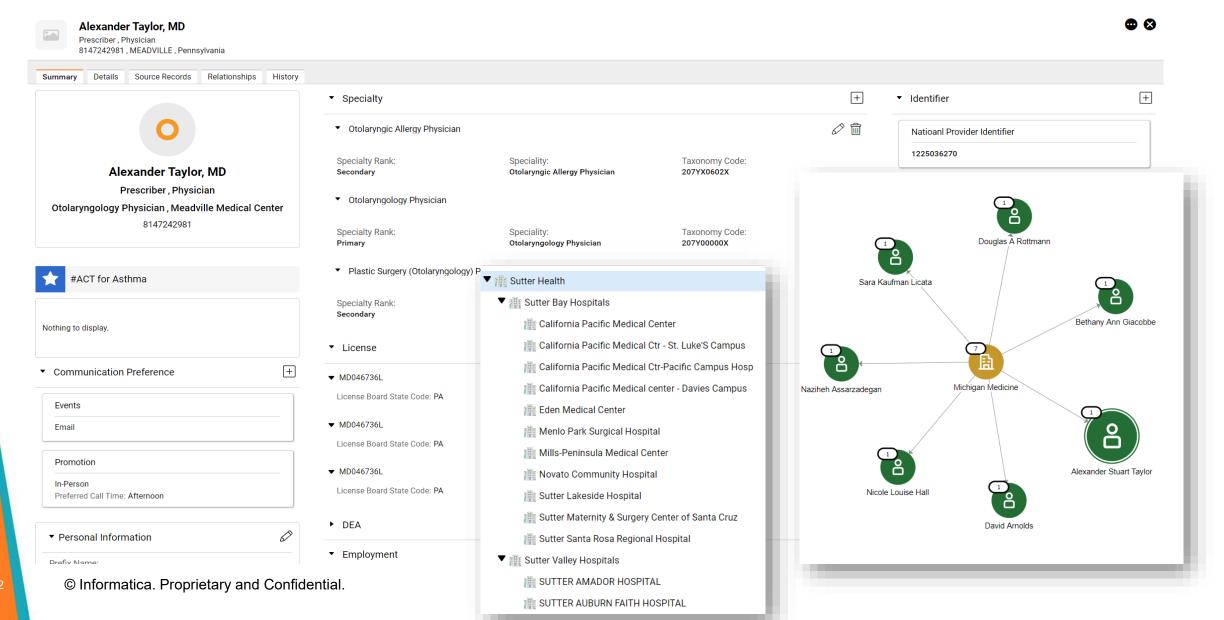


#### Candidate Selection Criteria

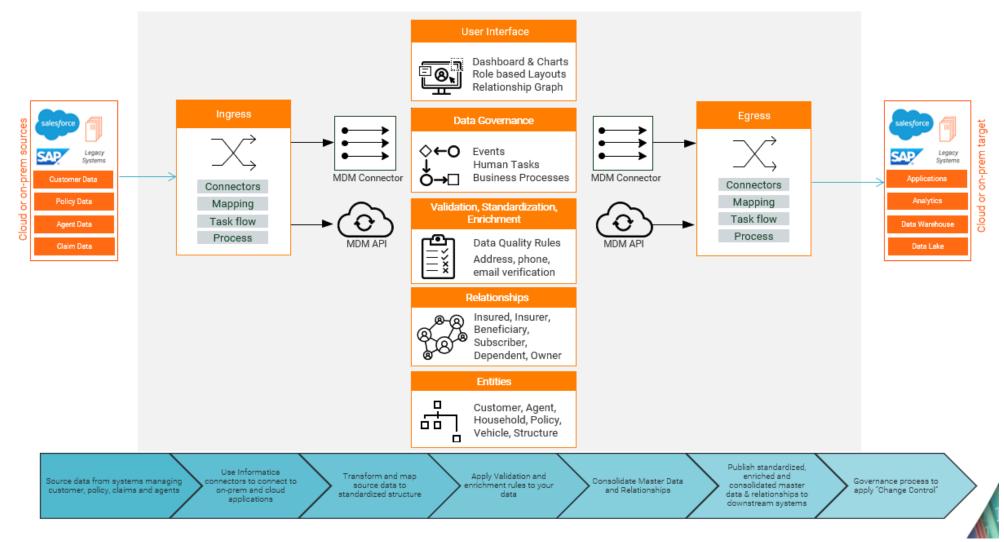
Field Name	Field Type	Filter Candidates By	Key Generation Level	Candidate Search Level
fullName	Person_Name		Standard	Typical



### 360 View



### Insurance Data Model- OOB Extension for IDMC





### Key Business Entities

Organization (Customer, Agent) Person
(Customer, Agent)

Household

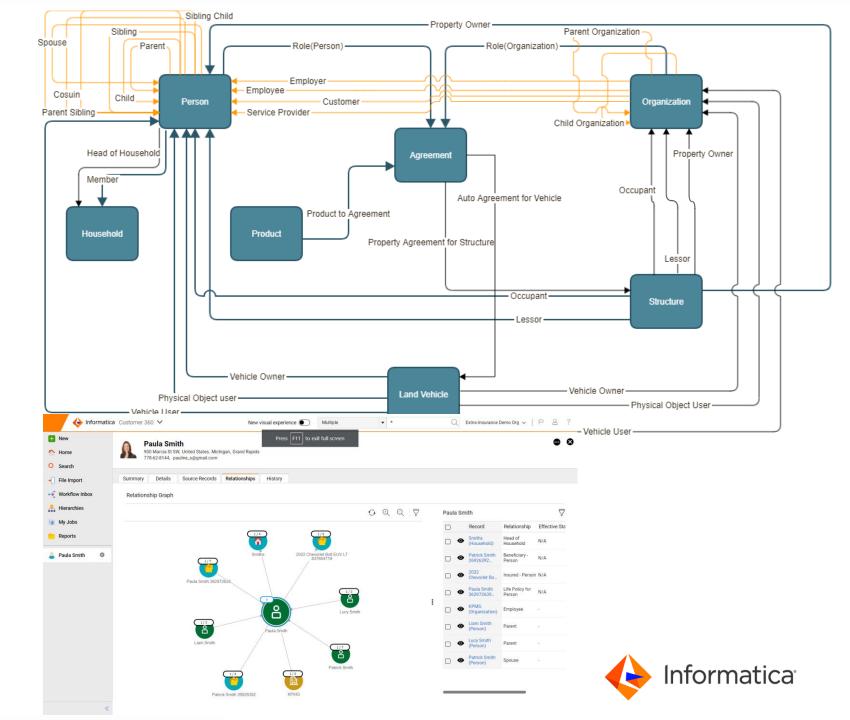
Agreement

Product

Land Vehicle

Structure

# Insurance Model-Key Relationships



# Match Model –customer/Agent

	(5)				
Rank	(S) Merge Strategy	Match Strategy	Match Criterion	Match Level	Description
1	Automated	EXACT	-	-	Exactly similar name and address.
2	Automated	FUZZY	Person_Name	Typical	Strongly similar person name and exactly similar government ID.
3	Automated	FUZZY	Resident	Typical	Strongly similar name, address, and exactly similar alternate ID
4	Manual	FUZZY	Person_Name	Typical	Similar person name and same address
5	Manual	FUZZY	Address	Typical	Similar address and same last name



# Match/Merge- Key Pointers

#### **Avoid Hotspots**

- Must investigate the high frequency values during the profiling & fix it before matching i.e. Must not use garbage/Test data without enforcing DQ execution for matching ,to avoid job hitting 10k match candidates blocking limit and max 1k Xref for each master record
- Avoid loading transactional Information
- Must not randomly use exact fields like "DOB","CITY","STATE","ZIP" may results in hotspots
- Follow Iterative Process- Fine tune match model with smaller data sets

#### **Match Configuration**

- Keep exact match rules even when you configure Fuzzy match Strategy aim to send reduce records for fuzzy matching
- Per profiling results, keep highest matching percentage rule with top Rank.
- Leverage Segment Matching
- Keep only Entity relevant Field Groups, higher number of field groups will slow the match and merge process,

Benefit - Enhance match accuracy + optimal jobs performance

# Questions?

Speaker: Kamal Abrol, Sourya



### References

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