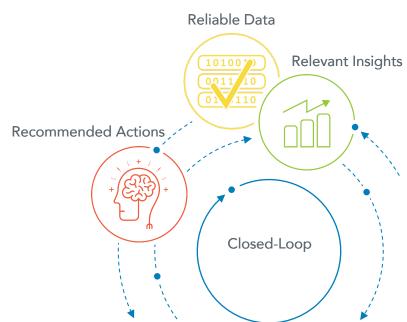
MASTER DATA MANAGEMENT: A DATA MANAGEMENT DISCIPLINE BOOSTED BY GRAPH AND AI TECHNOLOGY

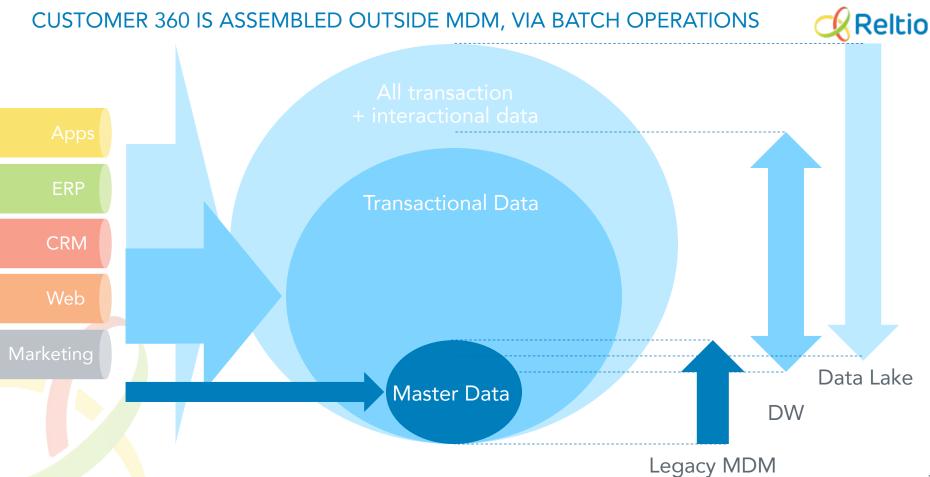
4th July 2018

Matt Gagan Senior Solutions Consultant

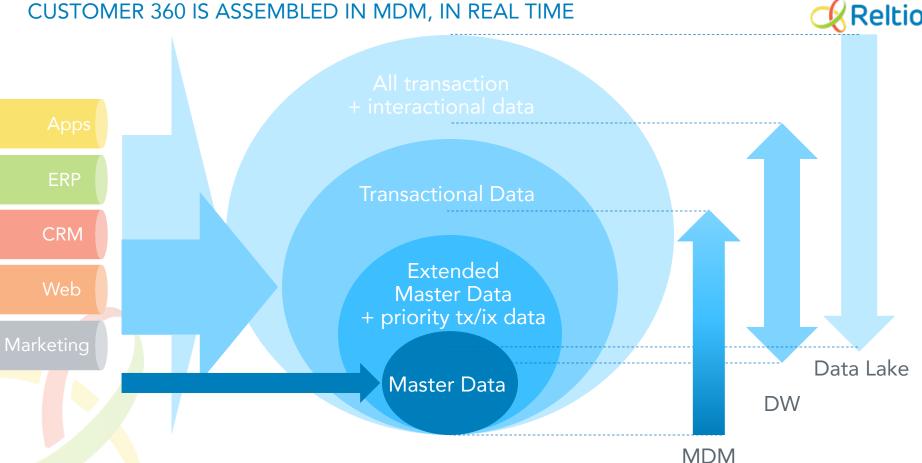


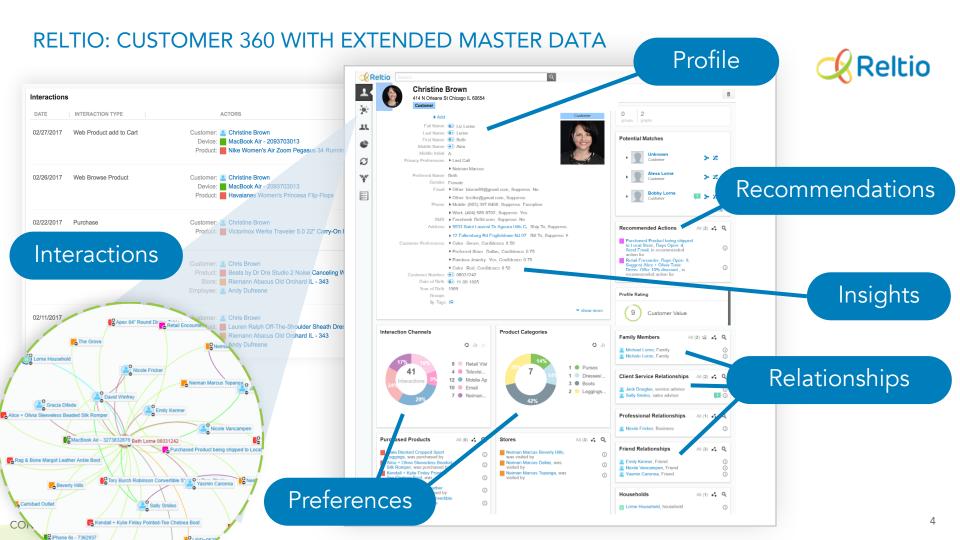


LEGACY APPROACH TO MDM



MODERN DATA MANAGEMENT





AS A CUSTOMER SERVICE AGENT...





Give me these three things:



An accurate, up to date view of the member's profile



Visibility into the member's relationships/influences



Access to the member's interactions and transactions

... and I will provide an exceptional member experience



Multi-model Approach



COMPLEX B2B MASTER DATA



T Joe's Inc.

Billing 99 Union St Anywhere AW 77822 Main 442-114-3333 ...

Legal Parent Org

Contact

T Joe's Inc.

Billing Shipping
11 Main St 47 Main St
Nowhere Nowhere
NW 99811 NW 99822
Main Accts

312-922-4444 ... 312-944-5555...

Jane Doe

Home 499 Sugar St Nowhere NW 99888 Home 312-888-1111 ...

Married to

John Doe

Home 499 Sugar St Nowhere NW 99888 Mobile 312-222-2222...

Contracted Products

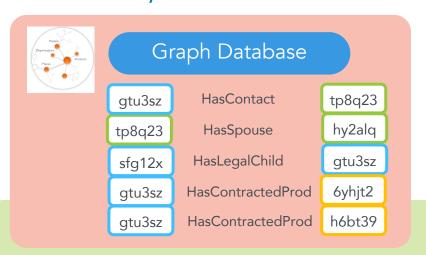
Wilma's Manuka Honey 12+ 200g

Grade 12+ 200 Gram 10.99 GBP.

Bob's Organic Grass-fed Milk 21

Organic Grass-fed 2 Litre 3.49 GBP ...

A MODERN, MULTI-MODEL ARCHITECTURE



h6bt39



Enterprise Search

Jane tp8q23 hy2alq John hy2alq tp8q23 Doe Sugar hy2alq tp8q23 499 hy2alq tp8q23 Nowhere hy2alq tp8q23 qtu3sz hy2alq tp8q23 qtu3sz NW hy2alq tp8q23 99888



NoSQL, Columnar Database

Name: Jane Doe Address: {Type: Home A1: 499 Sugar St City: Nowhere State: NW PC: 99888} Phone: {Type: Home Num: 312-888-1111} ...

hy2alq Name: John Doe Address: {Type: Home A1: 499 Sugar St City: Nowhere State: NW PC: 99888} Phone: {Type: Mobile Num: 312-222-2222} ...

sfg12x Name: T Joe's Inc. Address: {Type: Billing A1: 99 Union St City: Anywhere State: AW PC: 77822} Phone: {Type: Main Num: 442-114-3333} ...

gtu3sz Name: T Joe's Inc. Address: {Type: Billing A1: 11 Main St City: Nowhere State: NW PC: 99811} Phone: {Type: Main Num: 312-922-4444} ...

Address: {Type: Shipping A1: 47 Main St City: Nowhere State: NW PC: 99822} Phone: {Type: Accts Num: 312-944-5555} ...

6yhjt2 Name: Bob's Organic Grass-fed Milk 2l Organic: True Grass-fed: True Size: {Quantity: 2 Unit: Litre} Price: {Price: 3.49 Currency: GBP} ...

Name: Wilma's Manuka Honey 12+ 200g Quality: 12+ Size: {Quantity: 200 Unit: Gram} Price: {Price: 10.99 Currency: GBP} ...



Opportunities for Al



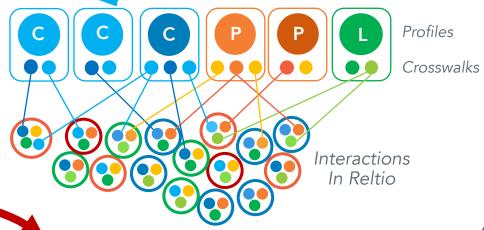


ORGANIZE: RECONCILE, UNIFY





Matching and merging effectively pulls Crosswalks together into Profiles in Reltio



Web Cart

POS

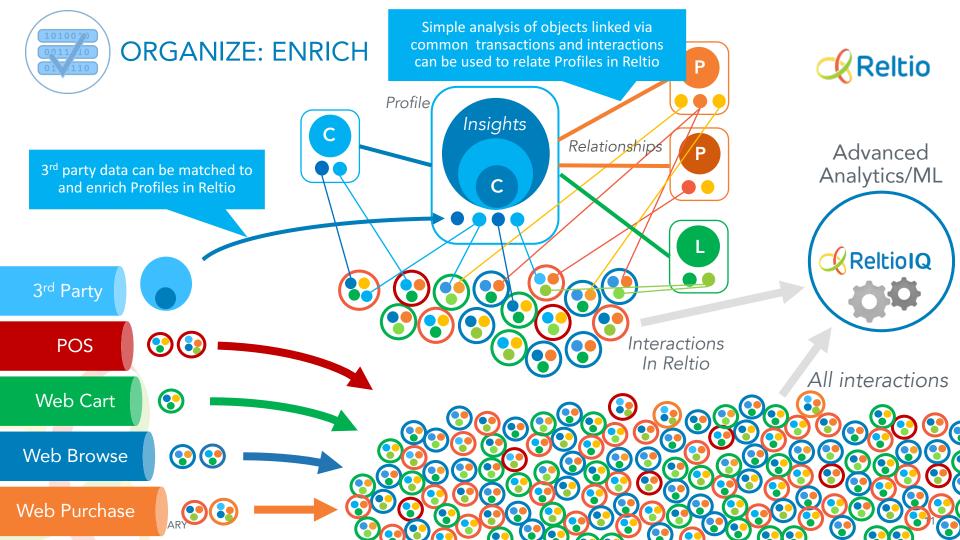
Web Browse

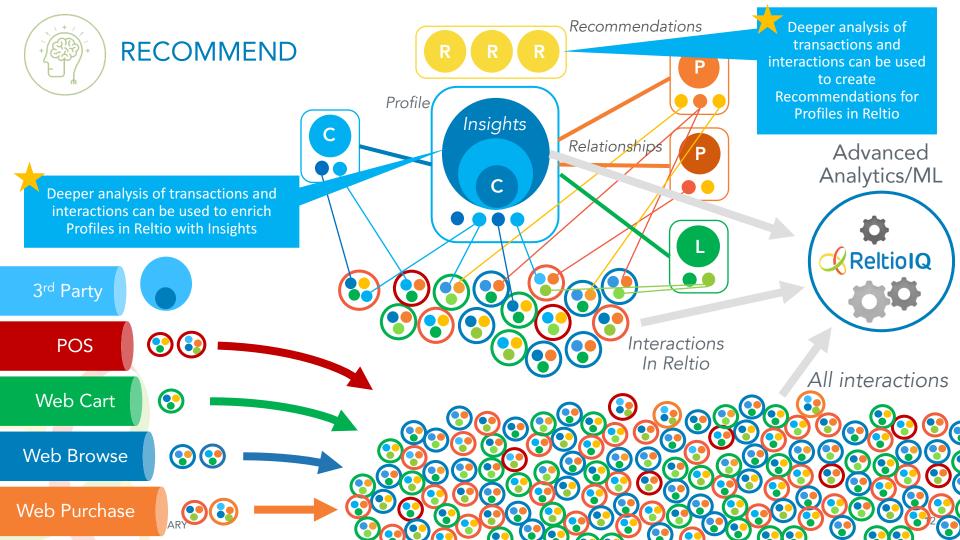
Web Purchase

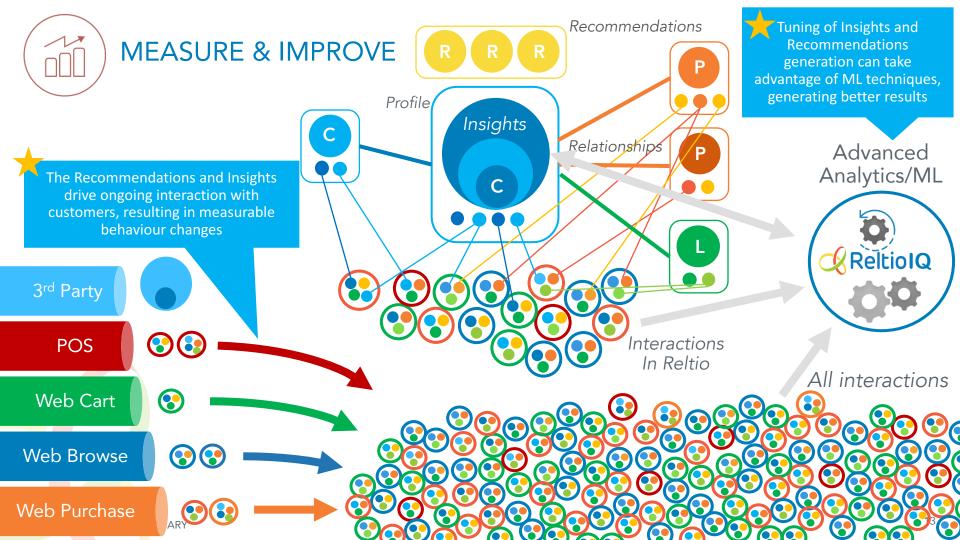














MATCHING & MERGING SELF-LEARNING



Match



Confident

Potential













Profiles

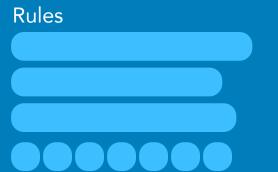
Crosswalks

Supervised learning opportunity exists, to profile initial data sets,

invite expert
user/steward to indicate
match/nomatch
situations, and to

ruleset

generate an initial



"Confident" rules result in automatic merging "Potential" rules result in in potential match suggestions, requiring human stewardship (merge, or no-match decisions)

Al Opportunity:

If a particular Potential rule always results in a merge, it should be suggested as being promoted to a "Confident" rule, removing the stewardship



MATCHING & MERGING SELF-LEARNING



15

Match



Confident

Potential











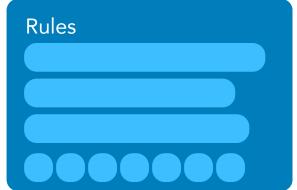




Profiles

Crosswalks

Unmerge



"Confident" rules result in automatic merging
"Potential" rules result in in potential match suggestions,
requiring human stewardship (merge, or no-match
decisions)

Al Opportunity:

Records may occasionally be unmerged If a common "Confident" rule exists across unmerge situations, it should be suggested as being demoted to a "Potential" rule

CONFIDENTIAL AND PROPRIETARY



Customers

https://www.reltio.com/customer-success-stories/

Thank you