

Czerwiec 2017

Forum GDPR

Jak wspieramy naszych klientów
kontekście regulacji RODO

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Agenda

PROJEKTOWANIE

- Rejestrowanie czynności przetwarzania
- Maksymalnie dopuszczalny czas na notyfikację incydentu
- Minimalizacja przetwarzanych danych, ich domyślna ochrona oraz ograniczenia przetwarzania
- Prawo do przenoszenia danych i do bycia zapomnianym
- Zautomatyzowane podejmowanie decyzji

Projektowanie - Obszary GDPR

Zrozumienie
Danych

Identyfikacja
Danych
Wrażliwych

Ochrona
Danych
Wrażliwych

Realizacja
praw
związanych z
danymi



Profilowanie i wyszukanie danych osobowych

Profile run on 5 of 5 | 5 of 20 columns | 7 of 7 rules | 4888 rows (all rows) | 5 Sep 2013 11:00:00 am

Filter by	Columns & Rules 12	No.	Name	Value	Unit	Non Unique	%	Pattern	Value (min - max)	Length (min - max)	Data Type	Data Domain	Business Term
Columns	5												
Rules	7												
100% Null	2												
100% Unique	1												
100% Constant	1												
Configuring Data Type	1												
Pattern Outer	1												
Value Frequency Outer	0												
Inferred Data Domains	3												
RULE 1	Input Column: CUSTOMER TEN												
6 Rule Output	Input Column: CUSTOMER NAME												
7 Rule 2	Input Column: CUSTOMER NAME												

Columns and Domains

Show: ☐ Data Domain ☒ Columns

Name	% Data Conforming	Column Name Match	Data Domain Groups	Documented Data Type
zip5				
ZipCode	97.00%	Yes	PII	decimal(5)
phone				
PhoneNumber	76.00%	Yes	PHI, PII	string(14)
email				
Email	100.00%	Yes	PII	string(17)
credit_card_num				
CreditCardNumber	100.00%	Yes	PCI	string(19)
customer_turnover				
ZipCode	76.00%	No	PII	string(6)
cust_no				
SSN	100.00%	No	PHI, PII	string(11)

Customer Loyalty Program

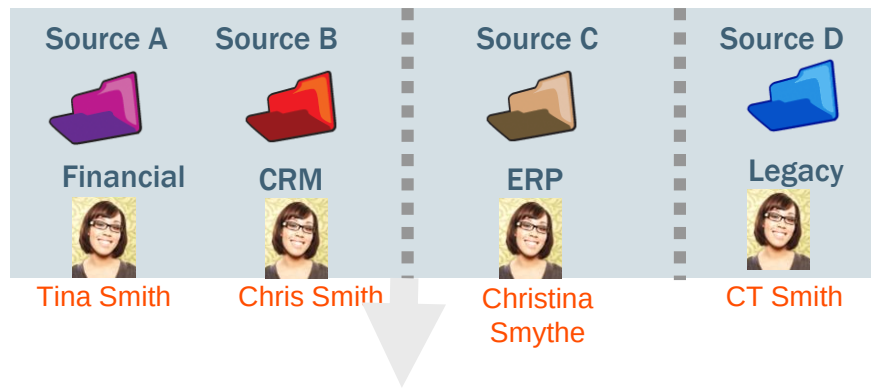
Overview Discover Define Execute Monitor Security

Tables Profile Columns

Table Name	Column	Data Type	Domain	%	Positive	Similar Value col...
LOYALTY_SOURCE						
TICKET_COUPON	TO_CITY	varchar2	City	No	Yes	-
TICKET_COUPON	FROM_CITY	varchar2	City	No	Yes	-
STATEMENT_LINE	CUST_ID	number	Account Number	No	Yes	-
CUSTS_WITH_I...	LAST_NAME	varchar2	Last Name	No	Yes	-
CUSTS_WITH_I...	FIRST_NAME	varchar2	First Name	No	Yes	-
CUSTOMER	LAST_NAME	varchar2	Last Name	No	Yes	-
CUSTOMER	FIRST_NAME	varchar2	First Name	No	Yes	-
AIRPORTS	CITY	varchar2	City	No	Yes	-
ADDRESS	STATE	varchar2	State	No	Yes	-

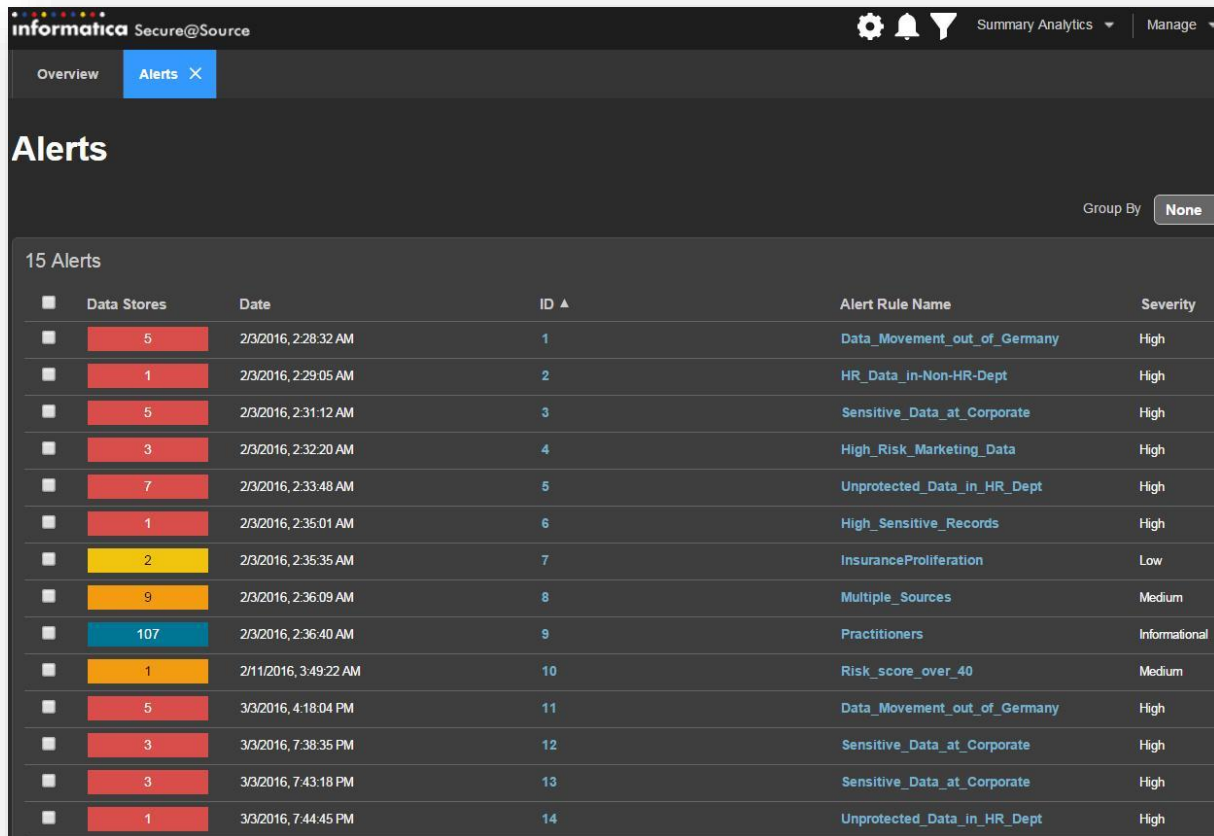
Wyniki analizy wykrywania danych

Identyfikacja i łączenie danych osobowych



Global ID	Source System	Name
1	Source A	Tina Smith
1	Source B	Chris Smith
1	Source C	Christina Smythe
1	Source D	CT Smith
1	<u>Preferred</u>	Christina Smythe

Maksymalnie dopuszczalny czas na notyfikację incydentu



informatica Secure@Source

Overview Alerts X

Alerts

Group By None

15 Alerts

	Data Stores	Date	ID ▲	Alert Rule Name	Severity
■	5	2/3/2016, 2:28:32 AM	1	Data_Movement_out_of_Germany	High
■	1	2/3/2016, 2:29:05 AM	2	HR_Data_in-Non-HR-Dept	High
■	5	2/3/2016, 2:31:12 AM	3	Sensitive_Data_at_Corporate	High
■	3	2/3/2016, 2:32:20 AM	4	High_Risk_Marketing_Data	High
■	7	2/3/2016, 2:33:48 AM	5	Unprotected_Data_in_HR_Dept	High
■	1	2/3/2016, 2:35:01 AM	6	High_Sensitive_Records	High
■	2	2/3/2016, 2:35:35 AM	7	InsuranceProliferation	Low
■	9	2/3/2016, 2:36:09 AM	8	Multiple_Sources	Medium
■	107	2/3/2016, 2:36:40 AM	9	Practitioners	Informational
■	1	2/11/2016, 3:49:22 AM	10	Risk_score_over_40	Medium
■	5	3/3/2016, 4:18:04 PM	11	Data_Movement_out_of_Germany	High
■	3	3/3/2016, 7:38:35 PM	12	Sensitive_Data_at_Corporate	High
■	3	3/3/2016, 7:43:18 PM	13	Sensitive_Data_at_Corporate	High
■	1	3/3/2016, 7:44:45 PM	14	Unprotected_Data_in_HR_Dept	High

Prawo do przenoszenia danych i do bycia zapomnianym

informatica Customer 360

Search Jon Snow

John H Jones View: Business Entity

Quickly scroll to:

- Person
- Identifier
- Address
- Phone
- Electronic Address
- Demography
- Lifestyle Indicator
- Segmentation
- Employment
- Qualification
- Specialization
- Financials
- Insurance

Person Edit

Title:		Prefix:	Mr.
First Name:	John	Middle Name:	H
Last Name:	Jones	Suffix:	
Previous Name:		Alias:	
Date of Birth:	1979-01-09 00:00:00	Place of Birth:	SFO
Gender:	Male	Address Type:	Mailing
Address Line 1:	33 Decatur St	Address Line 2:	
City:	San Francisco	Country:	
State:		Country:	
ZIP Code:	94103	Address Validation Status:	
Validate Address:	☐	Email:	jonestango2016@gmail.com
Validate Email:	☐	Email Validation Status:	
Country Dialling Code:	1	Phone Number:	(415)-509-672
Validate Phone:	☐	Phone Validation Status:	
Facebook:	https://www.facebook.com/public/John-Jones		
LinkedIn:	https://www.linkedin.com/in/john-jones-9a8b73a		
Snapchat:			
Designation:	Principal Financial Analyst	Twitter:	@jones82_john
Comment:		Pinterest:	
		Image URL:	https://upload.wikimedia.org/wikipedia/commons/thumb/a/aa/John_Jones_%28actor%29.jpg/260px-John_Jones_%28actor%29.jpg

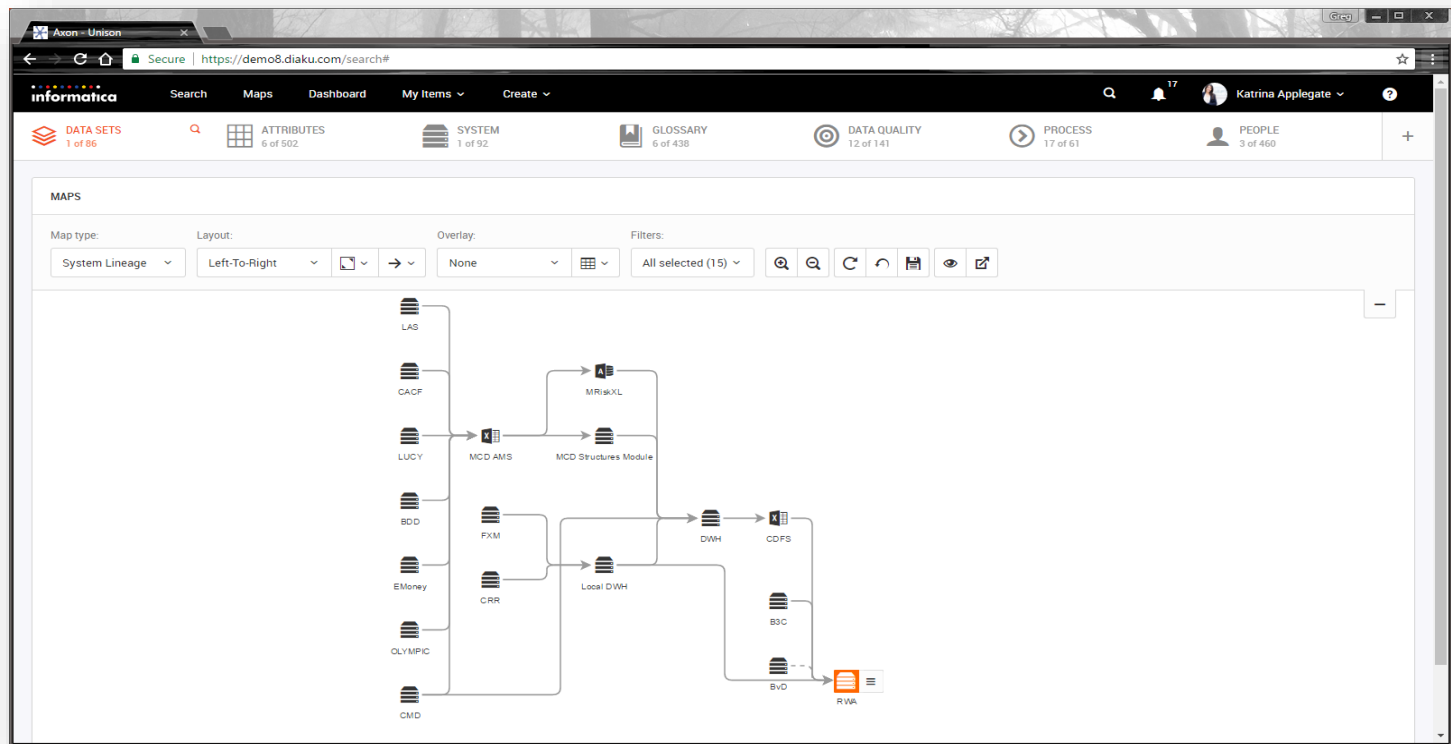
Relationship (0) New

Household (0) New

Export Data Export

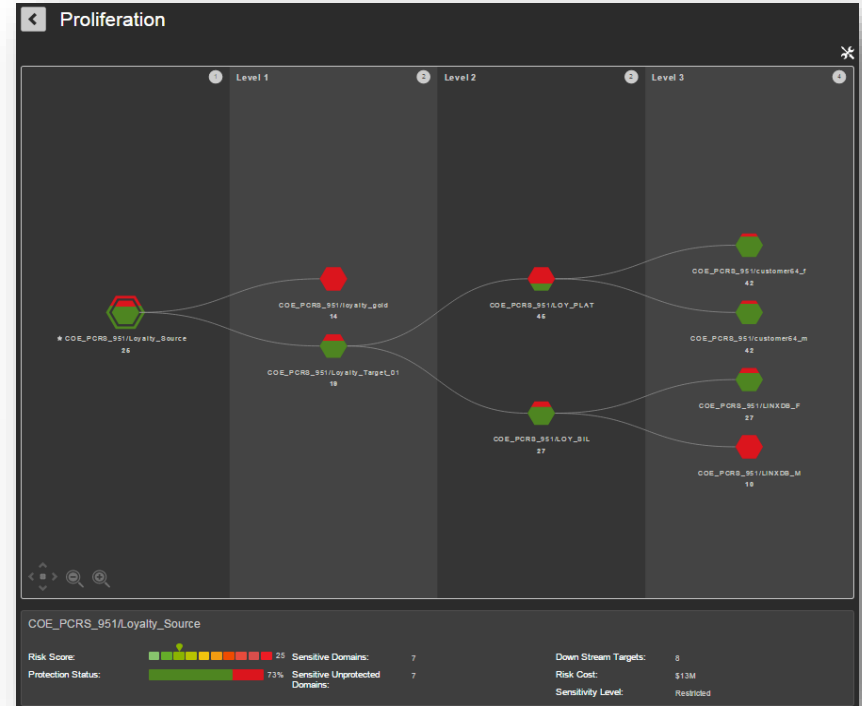
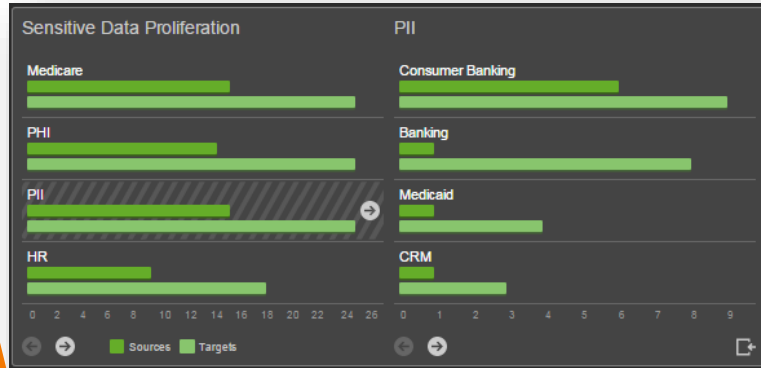
Start protection Start

Prawo do przenoszenia danych i do bycia zapomnianym



Minimalizacja przetwarzanych danych

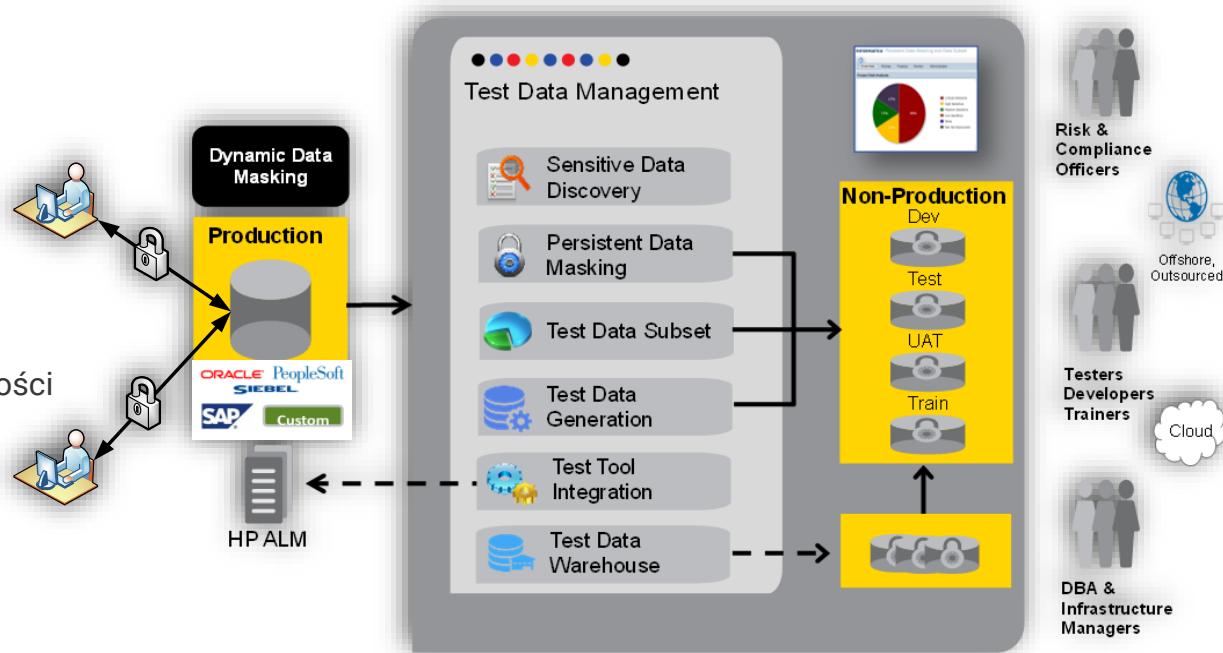
- Analyze sensitive data proliferation to determine increased risk of exposure
- Graphical display of data flows from source to targets
- Determine protection status, severity, risk score, location, etc. for each data store in the flow



Minimalizacja kopiowania danych osobowych

Test Data Management

- Wsparcie dla :
 - ✓ Generowania danych testowych
 - ✓ Cloud
 - ✓ Big Data
 - ✓ Data glossary
 - ✓ RODO (GDPR)
- Zestaw podstawowych funkcjonalności
 - ✓ Data masking
 - ✓ Data sub-setting
 - ✓ Project management
 - ✓ Data discovery



Uniwersalne polityki oraz reguły maskowania danych

Polityki Maskowania

Elementy danych podlegające maskowaniu

Sposób maskowania danych wrażliwych

Informatica Persistent Data Masking and Data Subset

Overview Policies Projects

Policies

Name	Description
☐ PII	Personally Identifiable Information
☐ PCI	Payment Card Industry
☐ PHI	Protected Health Information
Data Domains	
☐ URL	URL
☐ City	City
☐ Passport	Passport
☐ Debit Card	Debit Card
☐ Drivers License	Drivers License
☐ Account Number	Account

Properties Data Domains

Name	Description
URL	URL
City	City
Passport	Passport
Debit Card	Debit Card
Birth Date	Birth Date
Drivers License	Drivers License
Credit Card	Credit Card
Account Number	Account Number
Salary	Salary
Contact Number	Contact Number
First Name	First Name
Last Name	Last Name

Credit Card - Properties

General

Data Domain Name : Credit Card
Creation Date : Monday, October 22, 2012
Created By : Administrator
Modified Date : Monday, October 22, 2012
Modified By : Administrator
Sensitivity Level : Critical
Status : Active
Data Patterns : 0
Metadata Patterns : 1
Preferred Rules : 2

Data Patterns Metadata Patterns Preferred Rules

Name	Description	Default
Credit card standard rule	Credit card standard rule	Yes
Credit card nullify	Credit card nullify	No

Przypisanie reguły maskującej

Persistent Data Masking and Data Subset - Windows Internet Explorer

http://ilmaustin16:16605/pdmds/home.do#

File Edit View Favorites Tools Help

Persistent Data Masking and Data Subset

INFORMATICA Persistent Data Masking and Data Subset

Administrator Log Out

Billing System

Overview Discover Define Execute Monitor Security

Data Masking Data Subset

Yes

Imię maskowane tą samą regułą wszędzie

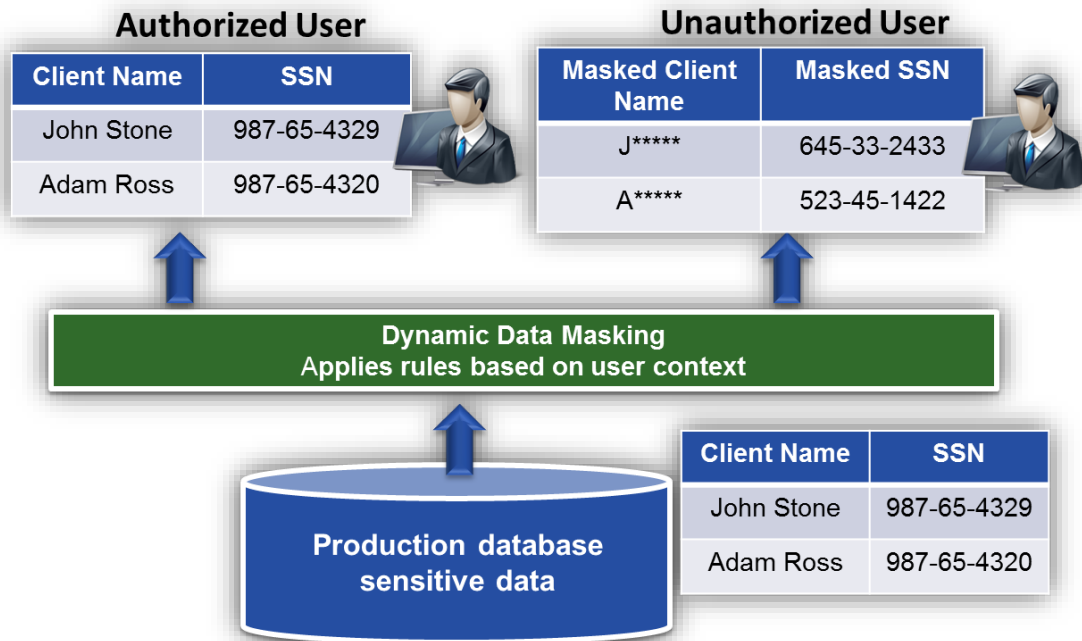
Name	Owner	Columns	Data Type	Domain	Sensi...	Similar Colu...	Policy	Rule	Additional Details	Override
Wembley										
DQA_CUSTOMER_DUPLICA...	WEMBLEY	SURNAME	nvarchar2	Last Name	Yes	-				
DQA_CUSTOMER_DUPLICA...	WEMBLEY	STATE	nvarchar2	State	Yes	-				
DQA_CUSTOMER_DUPLICA...	WEMBLEY	PHONE	nvarchar2	Contact Number	Yes	-				
DQA_CUSTOMER_DUPLICA...	WEMBLEY	MID_NAME	nvarchar2	First Name	Yes	-				
DQA_CUSTOMER_DUPLICA...	WEMBLEY	FIRST_NAME	nvarchar2	First Name	Yes	-	PII	First name substitution		No
DQA_CUSTOMER_BAD_DATA	WEMBLEY	CITY	nvarchar2	City	Yes	-				
DQA_CUSTOMER_BAD_DATA	WEMBLEY	STATE	nvarchar2	State	Yes	-				
DQA_CUSTOMER_BAD_DATA	WEMBLEY	PHONE	nvarchar2	Contact Number	Yes	-				
DQA_CUSTOMER_BAD_DATA	WEMBLEY	CITY	nvarchar2	City	Yes	-				
CUSTOMER_MASTER	WEMBLEY	SURNAME	nvarchar2	Last Name	Yes	-				
CUSTOMER_MASTER	WEMBLEY	PHONE	nvarchar2	Contact Number	Yes	-				
CUSTOMER_MASTER	WEMBLEY	FIRST_NAME	nvarchar2	First Name	Yes	-	PII	First name substitution		No
CUSTOMER_MASTER	WEMBLEY	CITY	nvarchar2	City	Yes	-				
CUSTOMERS_CLEANSED	WEMBLEY	PHONE	nvarchar2	Contact Number	Yes	-				
CUSTOMERS_CLEANSED	WEMBLEY	CITY	nvarchar2	City	Yes	-				
CUSTOMERS	WEMBLEY	PHONE	nvarchar2	Contact Number	Yes	-				
CUSTOMERS	WEMBLEY	CITY	nvarchar2	City	Yes	-				
OE										
CUSTOMERS	OE	CUST_FIRST_NAME	varchar2	First Name	Yes	-	PII	First name substitution		No
HR										

Trzy różne schematy/bazy danych

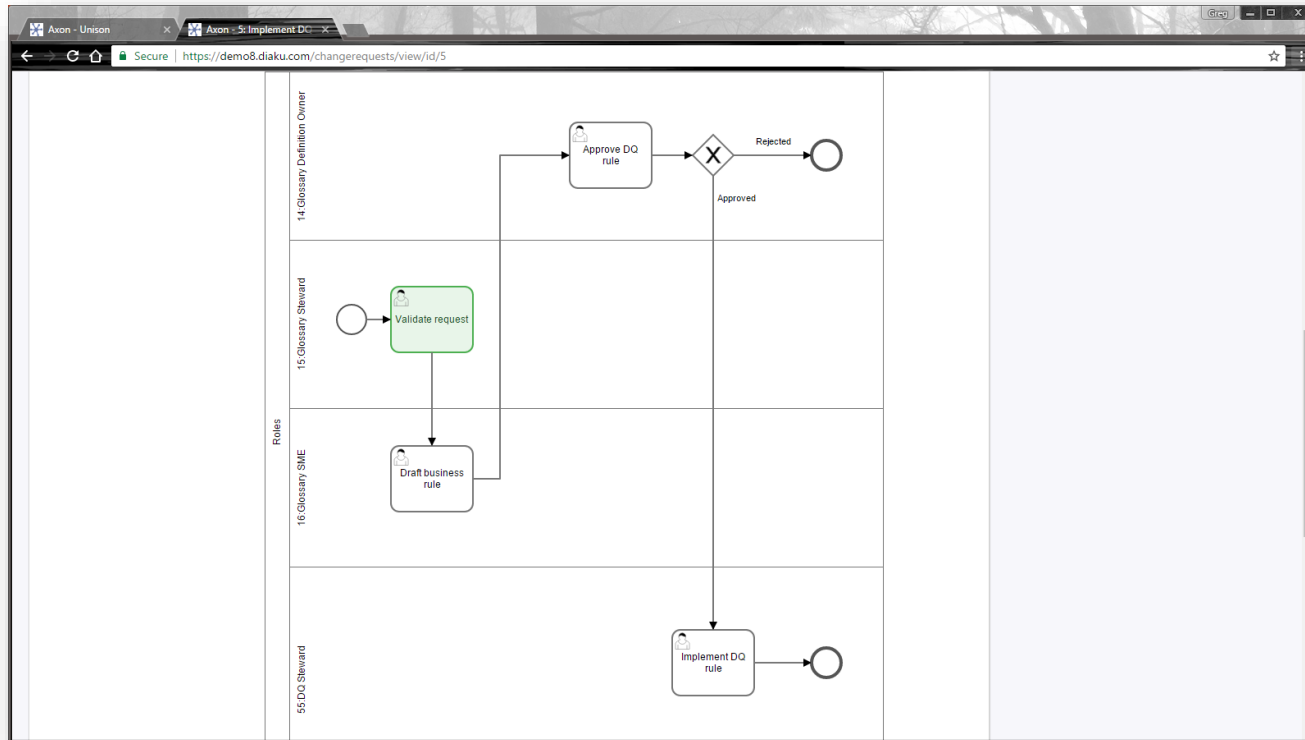
Dostęp i Bezpieczeństwo

Dynamic Data Masking

- DDM – zaawansowane proxy SQL dla baz danych
- Dostęp chroniony poprzez zaawansowane reguły biznesowe
- Spójna polityka dostępu do wrażliwych danych



Zautomatyzowane podejmowanie decyzji



Propozycja podejścia do implementacji RODO

Pełny gotowy framework dla zarządzania danymi osobowymi

GDPR Katalog:

- Wyszukiwanie danych osobowych
- Identyfikacja i deduplikacja
- Indeksacja i rejestracja danych osobowych
- Przechowywanie odnośników do danych źródłowych
- Zgody na przetwarzanie danych osobowych
- Workflow zadaniowe – obsługa procesów
- Interfejs użytkownika do obsługi procesów
- Automatyczna integracja z systemami źródłowymi

Cel: Centralne przechowywanie poprawnych, spójnych i kompletnych danych

Rozwiązania Informatica najwyżej oceniane wg Gartnera we wszystkich 6-ciu kluczowych obszarach



Integration Platform
as a Service



Data Integration Tools



Data Quality Tools

Rozwiązania Informatica najwyżej oceniane wg Gartnera we wszystkich 6-ciu kluczowych obszarach



Metadata Management Solutions



Master Data Management Solutions



Structured Data Archiving and Application Retirement

Informatica – to światowy lider - 6 x 6 !

Intelligent Big Data

Integrate, secure, and govern data lakes to deliver transformative business insights with repeatability, reliability, and maintainability.



Intelligent Cloud Services

Manage and integrate all your data in the cloud or on premise, with the industry's leading, next generation iPaaS solution.



Intelligent Data Integration

Discover, access, integrate, and deliver trusted critical data from batch to streaming, effectively fueling analytics and business operations.



Intelligent Data Quality

Deliver trusted, high-quality data, supporting all drivers of enterprise data governance and compliance, to ensure business value.



Intelligent MDM

Deliver business value with a modular end-to-end multi-domain solution for a complete, accurate view of all your master data and its relationships.



Intelligent Data Security

Avoid the proliferation of private and sensitive information with the industry's most celebrated data-centric security solutions.



Dyskusja ...

Q&A

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