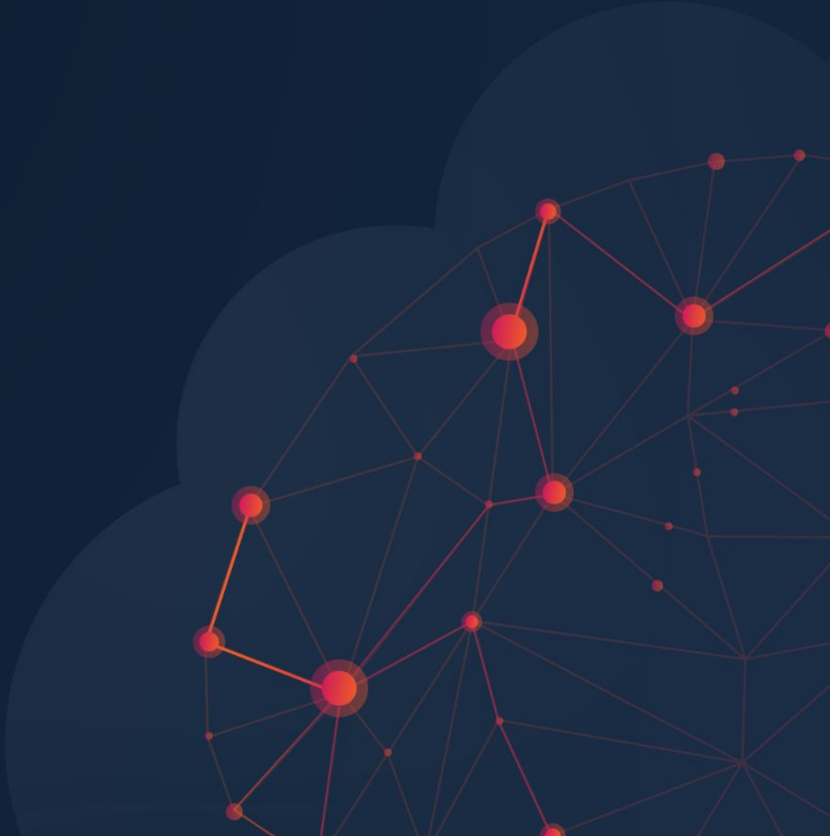
OCTOPAI

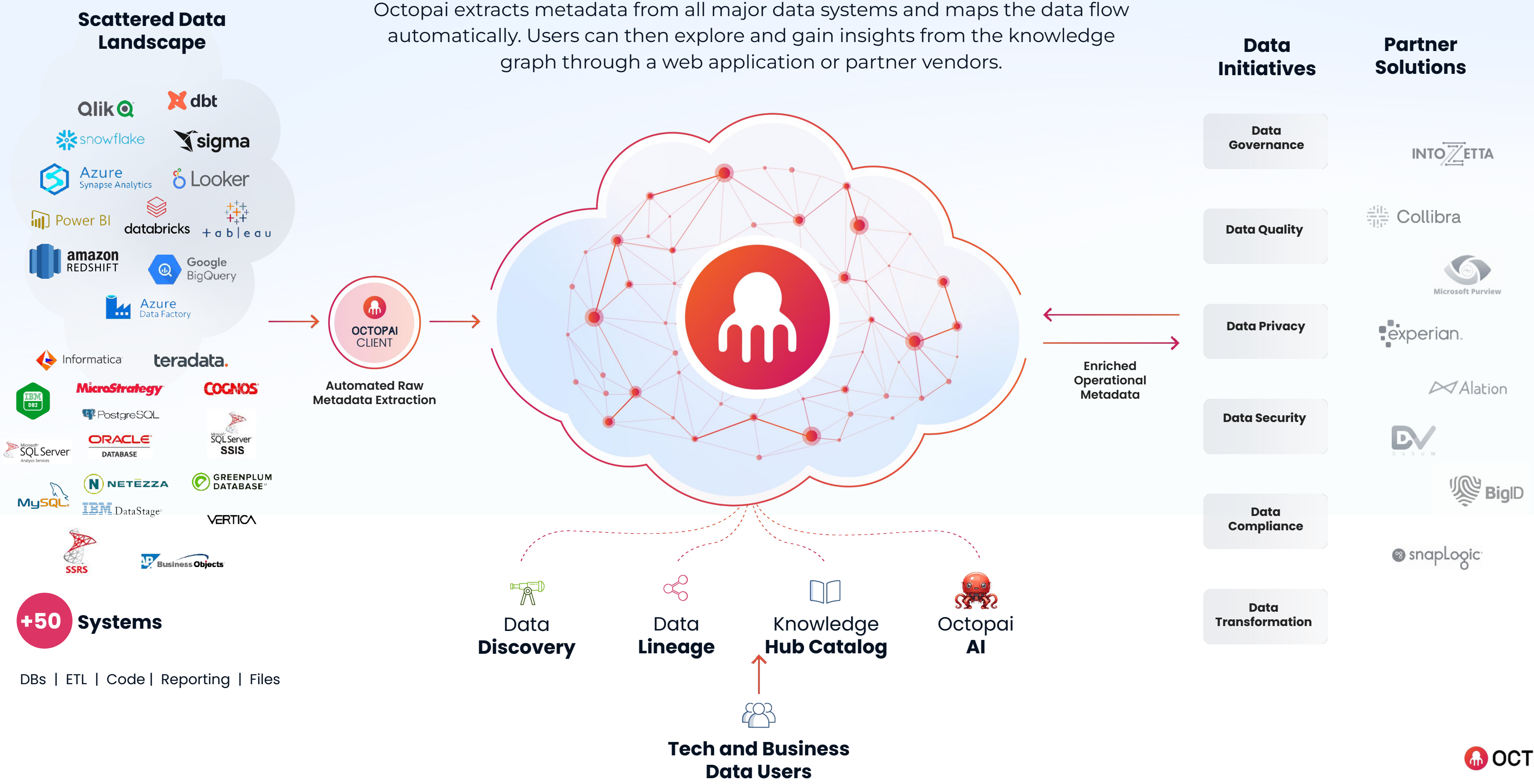
Product Overview

September 2024



Single Source of Truth for Your Organizational Metadata

Octopai extracts metadata from all major data systems and maps the data flow automatically. Users can then explore and gain insights from the knowledge graph through a web application or partner vendors.



Scattered Data Landscape

+50 Systems

DBs | ETL | Code | Reporting | Files

OCTOPAI CLIENT

Automated Raw Metadata Extraction

Enriched Operational Metadata

Data Initiatives

- Data Governance
- Data Quality
- Data Privacy
- Data Security
- Data Compliance
- Data Transformation

Partner Solutions

Data **Discovery**

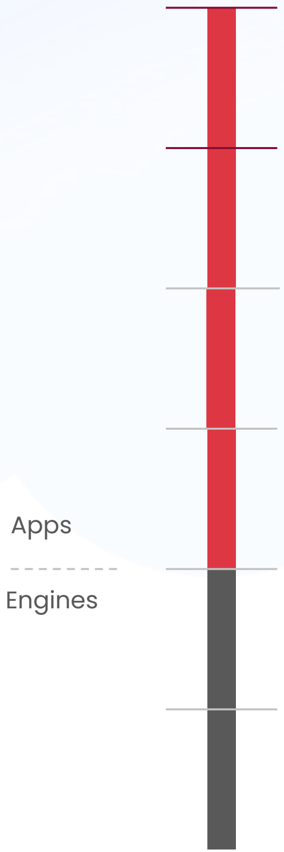
Data **Lineage**

Knowledge **Hub Catalog**

Octopai **AI**

Tech and Business Data Users

Product Layers



Apps

Engines

GenAI Co-pilot Knowledge Graph (Roadmap)

Predictive analytics and intelligent optimizations, it reduces technical debt and enhances decision-making efficiency

Application Knowledge Hub Catalog

Serves as a centralized data asset management solution, providing a reliable source of truth for data users and facilitating accurate and rapid business decision-making

Application Lineage Maps

Traces the life cycle of specific data entities, from source extraction, through transformation logic, to final presentation layers, capturing every transformation touchpoint

Application Discovery Space

Simplifies the process of pinpointing specific data, allowing for instant search across multiple systems, drastically reducing the time a team spends on researching data requests

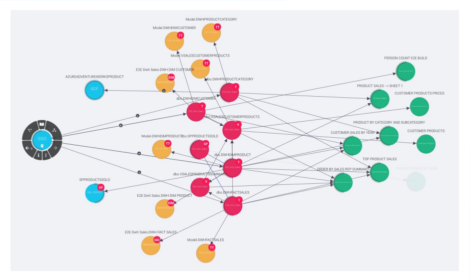
Data Lineage Maps Engine

Organizational data architecture of data flow maps, analyzing all data manipulations and scripts, offering the broadest and most comprehensive coverage for enterprises

Automated Harvesting Engine

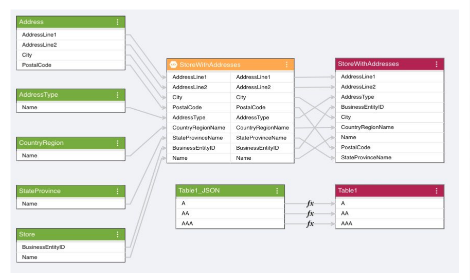
Native 55+ out-of-the-box connectors built for quick extraction of all metadata, scripts, stored procedures etc, for on-prem and cloud data systems

Multi-Dimensional Lineage Platform



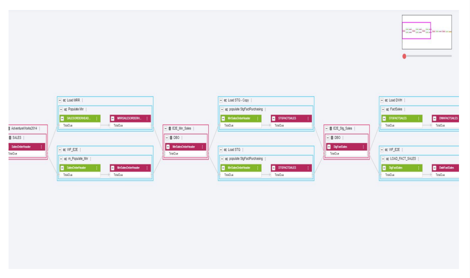
#1 Cross-System Lineage

Provides end-to-end lineage at the system level from the entry point, all the way to reporting, analytics and any information data consumer



#2 Inner-System Lineage

Details the column-level lineage within an ETL process, report, or database object.



#3 End to End Lineage

End-to-end asset level lineage between systems from the source system into the end consumer.

OCTOPAI

The Ultimate 360° Metadata Management Platform

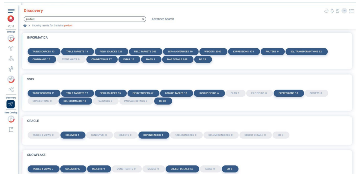
Data Discovery

Locates relevant information for business use, analysis and insights across multiple data systems

- **Automated** data **discovery to search in seconds and make informed data-driven decisions**
- Outstanding solution to **increase Data Teams' productivity**

TOP USE CASES

- **Changes implementation**
- **Compliance** with GDPR, CCPA, etc.
- Fast, accurate **business decisions**


Search: product

Showing results for: Contains product

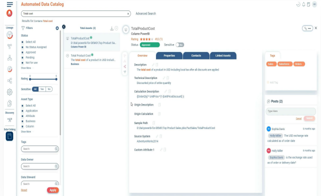
Knowledge **Hub – Catalog**

Provides data teams with information about the various data assets available within a company

- **Self-creating** and **self-updating documentation**
- **Built-in data lineage featured** and **collaboration**

TOP USE CASE

- **Governance**
- **Change Management**
- **Top critical most consumed assets**
- **Collaboration on data products**


Search: Total cost

Results for: Contains Total cost

TotalProductCost
D:\ta\powerbi-for-DEMO\Top Product Sa...
Column Power BI

Total Product Cost
The total cost of a product in USD includi...
Business

TotalProductCost
Column PowerBI
Rating ★★★★ 4/5 (1)
Status: Approved
Sensitive: No

Description: The total cost of a product in USD including local tax after all discounts are applied

Technical Description: Discounted price of entire quantity

Calculation Description: ([OrderQty] * UnitPrice *(1-[UnitPriceDiscount]))

Origin Description

Origin Calculation

Sample Path: D:\ta\powerbi-for-DEMO\Top Product Sales.pbix/FactSales/TotalProductCost

Source System: AdventureWorks2014

Custom Attribute 1

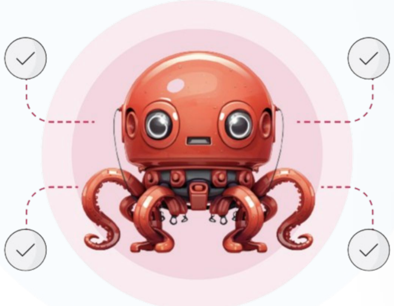
Posts (2)

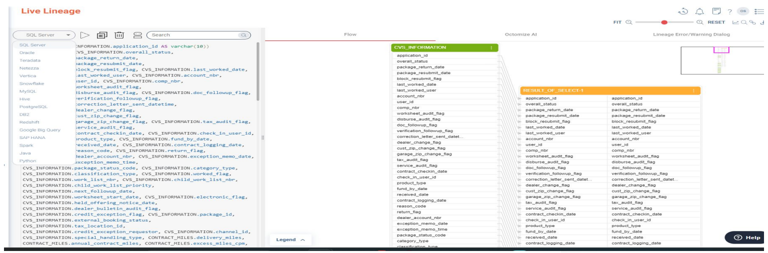
Sophia Davis, 6 months ago: Holly Miller The USD exchange rate calculated as of order date

Holly Miller, 6 months ago: Sophia Davis is the exchange rate used as of order or delivery date?

OCTOPAI

GenAI Co-Pilot
Lineage Studio

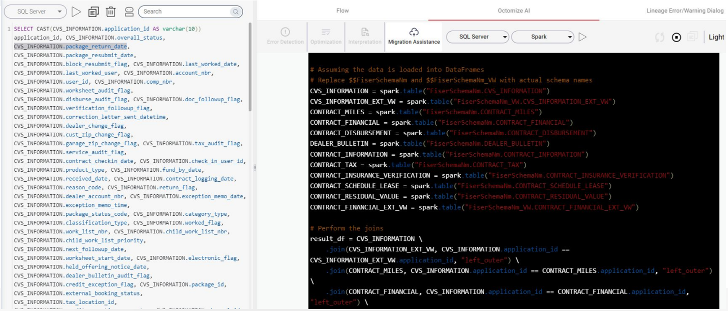




```
NFORMATION.application_id AS varchar(10))
VS_INFORMATION.overall_status,
ackage_return_date,
ackage_resubmit_date,
lock_resubmit_flag, CVS_INFORMATION.last_worked_date,
ast_worked_user, CVS_INFORMATION.account_nbr,
ser_id, CVS_INFORMATION.comp_nbr,
orksheet_audit_flag,
isburse_audit_flag, CVS_INFORMATION.doc_followup_flag,
erification_followup_flag,
orrection_letter_sent_datetime,
ealer_change_flag,
ust_zip_change_flag,
arage_zip_change_flag, CVS_INFORMATION.tax_audit_flag,
ervice_audit_flag,
ontract_checkin_date, CVS_INFORMATION.check_in_user_id,
roduct_type, CVS_INFORMATION.fund_by_date,
eceived_date, CVS_INFORMATION.contract_logging_date,
eason_code, CVS_INFORMATION.return_flag,
ealer_account_nbr, CVS_INFORMATION.exception_memo_date,
xception_memo_time,
CVS_INFORMATION.package_status_code, CVS_INFORMATION.category_type,
CVS_INFORMATION.classification_type, CVS_INFORMATION.worked_flag,
CVS_INFORMATION.work_list_nbr, CVS_INFORMATION.child_work_list_nbr,
CVS_INFORMATION.child_work_list_priority,
CVS_INFORMATION.next_followup_date,
CVS_INFORMATION.worksheet_start_date, CVS_INFORMATION.electronic_flag,
CVS_INFORMATION.held_offering_notice_date,
CVS_INFORMATION.dealer_bulletin_audit_flag,
CVS_INFORMATION.credit_exception_flag, CVS_INFORMATION.package_id,
CVS_INFORMATION.external_booking_status,
CVS_INFORMATION.tax_location_id,
CVS_INFORMATION.credit_exception_requestor, CVS_INFORMATION.channel_id,
CVS_INFORMATION.special_handling_type, CONTRACT_MILES.delivery_miles,
CONTRACT_MILES.annual_contract_miles, CONTRACT_MILES.excess_miles_cpm,
```

Live Lineage

Provides end-to-end lineage at the system level from the entry point, all the way to reporting, analytics and any information data consumer



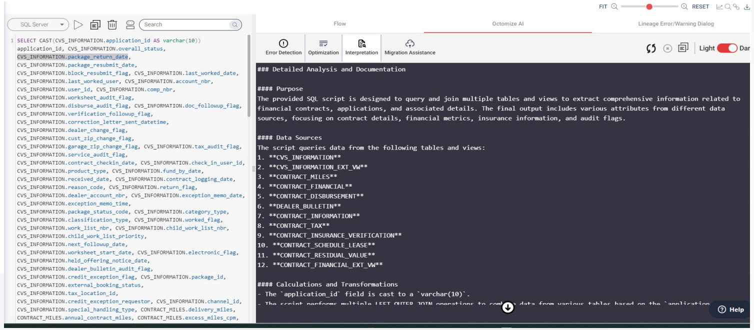
```
SELECT CAST(CVS_INFORMATION.application_id AS varchar(10))
application_id, CVS_INFORMATION.overall_status,
CVS_INFORMATION.package_return_date,
CVS_INFORMATION.package_resubmit_date,
CVS_INFORMATION.block_resubmit_flag, CVS_INFORMATION.last_worked_date,
CVS_INFORMATION.last_worked_user, CVS_INFORMATION.account_nbr,
CVS_INFORMATION.user_id, CVS_INFORMATION.comp_nbr,
CVS_INFORMATION.worksheet_audit_flag,
CVS_INFORMATION.disburse_audit_flag, CVS_INFORMATION.doc_followup_flag,
CVS_INFORMATION.verification_followup_flag,
CVS_INFORMATION.correction_letter_sent_datetime,
CVS_INFORMATION.dealer_change_flag,
CVS_INFORMATION.cust_zip_change_flag,
CVS_INFORMATION.garage_zip_change_flag, CVS_INFORMATION.tax_audit_flag,
CVS_INFORMATION.service_audit_flag,
CVS_INFORMATION.contract_checkin_date, CVS_INFORMATION.check_in_user_id,
CVS_INFORMATION.product_type, CVS_INFORMATION.fund_by_date,
CVS_INFORMATION.received_date, CVS_INFORMATION.contract_logging_date,
CVS_INFORMATION.reason_code, CVS_INFORMATION.return_flag,
CVS_INFORMATION.dealer_account_nbr, CVS_INFORMATION.exception_memo_date,
CVS_INFORMATION.exception_memo_time,
CVS_INFORMATION.package_status_code, CVS_INFORMATION.category_type,
CVS_INFORMATION.classification_type, CVS_INFORMATION.worked_flag,
CVS_INFORMATION.work_list_nbr, CVS_INFORMATION.child_work_list_nbr,
CVS_INFORMATION.child_work_list_priority,
CVS_INFORMATION.next_followup_date,
CVS_INFORMATION.worksheet_start_date, CVS_INFORMATION.electronic_flag,
CVS_INFORMATION.held_offering_notice_date,
CVS_INFORMATION.dealer_bulletin_audit_flag,
CVS_INFORMATION.credit_exception_flag, CVS_INFORMATION.package_id,
CVS_INFORMATION.external_booking_status,
CVS_INFORMATION.tax_location_id,
```

```
# Assuming the data is loaded into DataFrames
# Replace $$FiserSchemaNm and $$FiserSchemaNm_VW with actual schema names
CVS_INFORMATION = spark.table("FiserSchemaNm.CVS_INFORMATION")
CVS_INFORMATION_EXT_VW = spark.table("FiserSchemaNm_VW.CVS_INFORMATION_EXT_VW")
CONTRACT_MILES = spark.table("FiserSchemaNm.CONTRACT_MILES")
CONTRACT_FINANCIAL = spark.table("FiserSchemaNm.CONTRACT_FINANCIAL")
CONTRACT_DISBURSEMENT = spark.table("FiserSchemaNm.CONTRACT_DISBURSEMENT")
DEALER_BULLETIN = spark.table("FiserSchemaNm.DEALER_BULLETIN")
CONTRACT_INFORMATION = spark.table("FiserSchemaNm.CONTRACT_INFORMATION")
CONTRACT_TAX = spark.table("FiserSchemaNm.CONTRACT_TAX")
CONTRACT_INSURANCE_VERIFICATION = spark.table("FiserSchemaNm.CONTRACT_INSURANCE_VERIFICATION")
CONTRACT_SCHEDULE_LEASE = spark.table("FiserSchemaNm.CONTRACT_SCHEDULE_LEASE")
CONTRACT_RESIDUAL_VALUE = spark.table("FiserSchemaNm.CONTRACT_RESIDUAL_VALUE")
CONTRACT_FINANCIAL_EXT_VW = spark.table("FiserSchemaNm_VW.CONTRACT_FINANCIAL_EXT_VW")

# Perform the joins
result_df = CVS_INFORMATION \
    .join(CVS_INFORMATION_EXT_VW, CVS_INFORMATION.application_id ==
CVS_INFORMATION_EXT_VW.application_id, "left_outer") \
    .join(CONTRACT_MILES, CVS_INFORMATION.application_id == CONTRACT_MILES.application_id, "left_outer")
\
    .join(CONTRACT_FINANCIAL, CVS_INFORMATION.application_id == CONTRACT_FINANCIAL.application_id,
"left_outer") \
```

Fix, Optimize, Convert

GenAI-powered SQL/Python/Java enhances code quality, boosts performance, and accelerates system migration



```
SELECT CAST(CVS_INFORMATION.application_id AS varchar(10))
application_id, CVS_INFORMATION.overall_status,
CVS_INFORMATION.package_return_date,
CVS_INFORMATION.package_resubmit_date,
CVS_INFORMATION.block_resubmit_flag, CVS_INFORMATION.last_worked_date,
CVS_INFORMATION.last_worked_user, CVS_INFORMATION.account_nbr,
CVS_INFORMATION.user_id, CVS_INFORMATION.comp_nbr,
CVS_INFORMATION.worksheet_audit_flag,
CVS_INFORMATION.disburse_audit_flag, CVS_INFORMATION.doc_followup_flag,
CVS_INFORMATION.verification_followup_flag,
CVS_INFORMATION.correction_letter_sent_datetime,
CVS_INFORMATION.dealer_change_flag,
CVS_INFORMATION.cust_zip_change_flag,
CVS_INFORMATION.garage_zip_change_flag, CVS_INFORMATION.tax_audit_flag,
CVS_INFORMATION.service_audit_flag,
CVS_INFORMATION.contract_checkin_date, CVS_INFORMATION.check_in_user_id,
CVS_INFORMATION.product_type, CVS_INFORMATION.fund_by_date,
CVS_INFORMATION.received_date, CVS_INFORMATION.contract_logging_date,
CVS_INFORMATION.reason_code, CVS_INFORMATION.return_flag,
CVS_INFORMATION.dealer_account_nbr, CVS_INFORMATION.exception_memo_date,
CVS_INFORMATION.exception_memo_time,
CVS_INFORMATION.package_status_code, CVS_INFORMATION.category_type,
CVS_INFORMATION.classification_type, CVS_INFORMATION.worked_flag,
CVS_INFORMATION.work_list_nbr, CVS_INFORMATION.child_work_list_nbr,
CVS_INFORMATION.child_work_list_priority,
CVS_INFORMATION.next_followup_date,
CVS_INFORMATION.worksheet_start_date, CVS_INFORMATION.electronic_flag,
CVS_INFORMATION.held_offering_notice_date,
CVS_INFORMATION.dealer_bulletin_audit_flag,
CVS_INFORMATION.credit_exception_flag, CVS_INFORMATION.package_id,
CVS_INFORMATION.external_booking_status,
CVS_INFORMATION.tax_location_id,
CVS_INFORMATION.credit_exception_requestor, CVS_INFORMATION.channel_id,
CVS_INFORMATION.special_handling_type, CONTRACT_MILES.delivery_miles,
CONTRACT_MILES.annual_contract_miles, CONTRACT_MILES.excess_miles_cpm,
```

```
### Detailed Analysis and Documentation

#### Purpose
The provided SQL script is designed to query and join multiple tables and views to extract comprehensive information related to
financial contracts, applications, and associated details. The final output includes various attributes from different data
sources, focusing on contract details, financial metrics, insurance information, and audit flags.

#### Data Sources
The script queries data from the following tables and views:
1. **CVS_INFORMATION**
2. **CVS_INFORMATION_EXT_VW**
3. **CONTRACT_MILES**
4. **CONTRACT_FINANCIAL**
5. **CONTRACT_DISBURSEMENT**
6. **DEALER_BULLETIN**
7. **CONTRACT_INFORMATION**
8. **CONTRACT_TAX**
9. **CONTRACT_INSURANCE_VERIFICATION**
10. **CONTRACT_SCHEDULE_LEASE**
11. **CONTRACT_RESIDUAL_VALUE**
12. **CONTRACT_FINANCIAL_EXT_VW**

#### Calculations and Transformations
- The `application_id` field is cast to a `varchar(10)`.
```

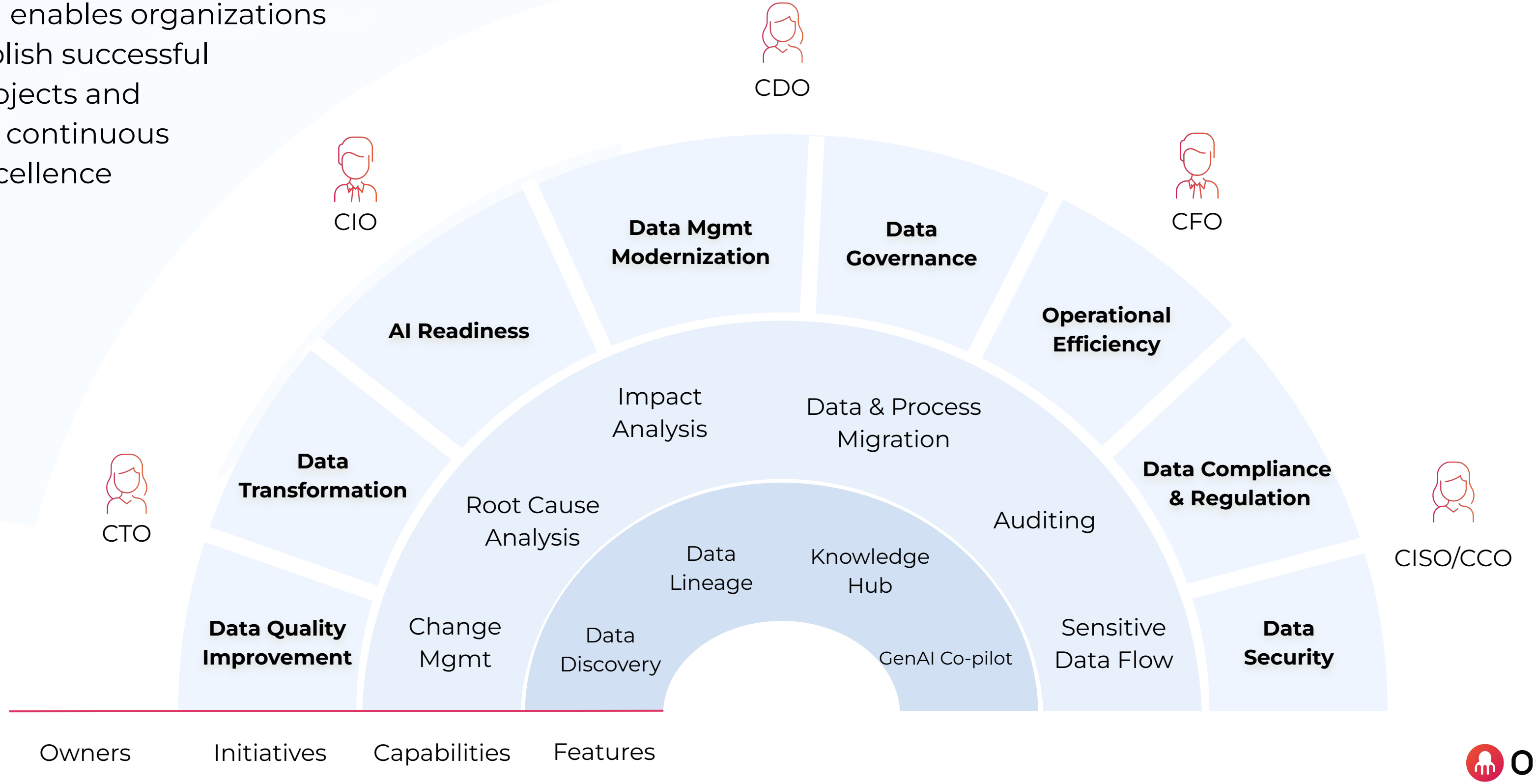
AI Documentation

Automated technical, business, security, compliance, and privacy assessment documentation for SQL, Python, and Java scripts

OCTOPAI

Manage Data Initiatives with **Visibility and Trust**

Octopai enables organizations to establish successful data projects and achieve continuous data excellence



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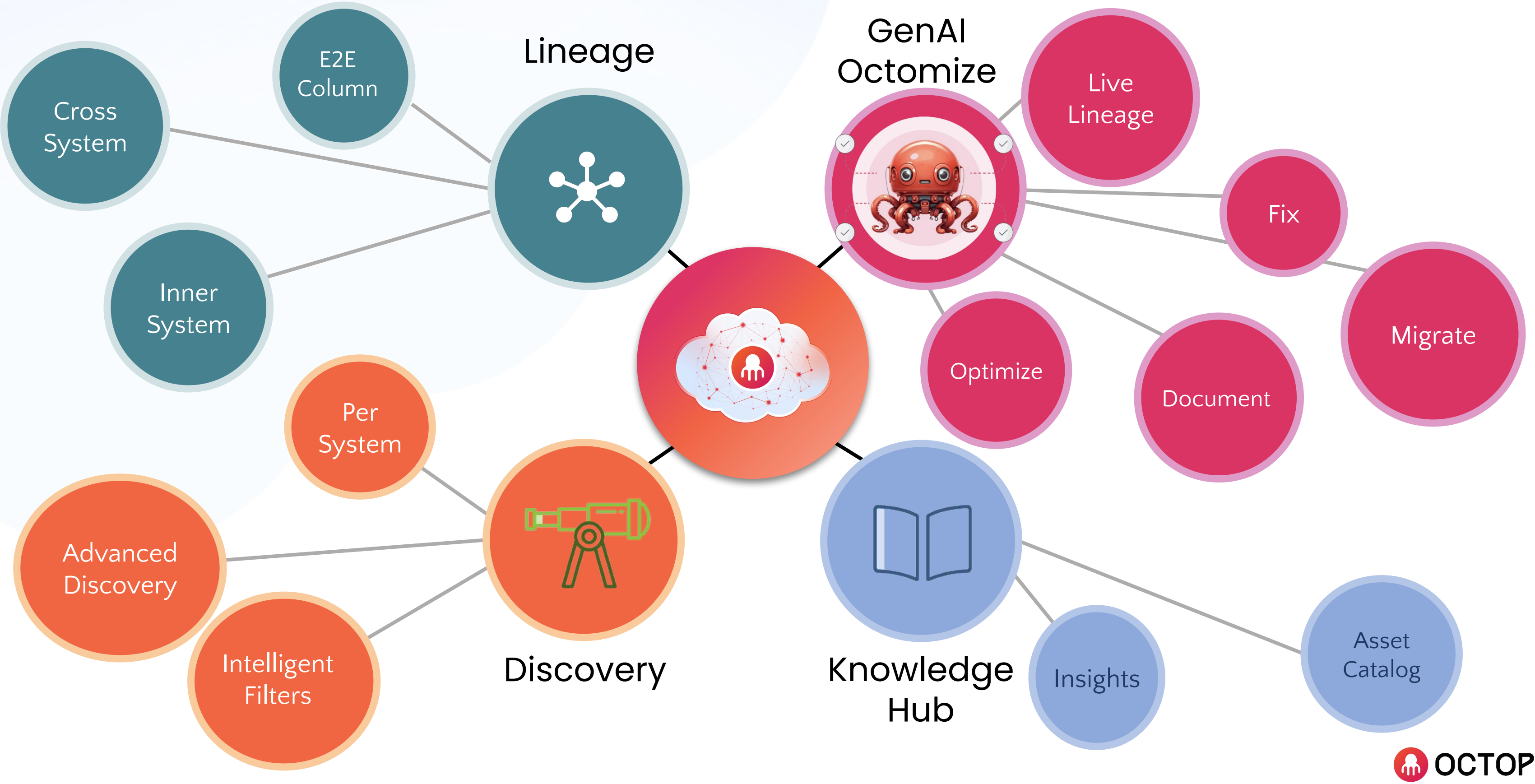
Product User Maps

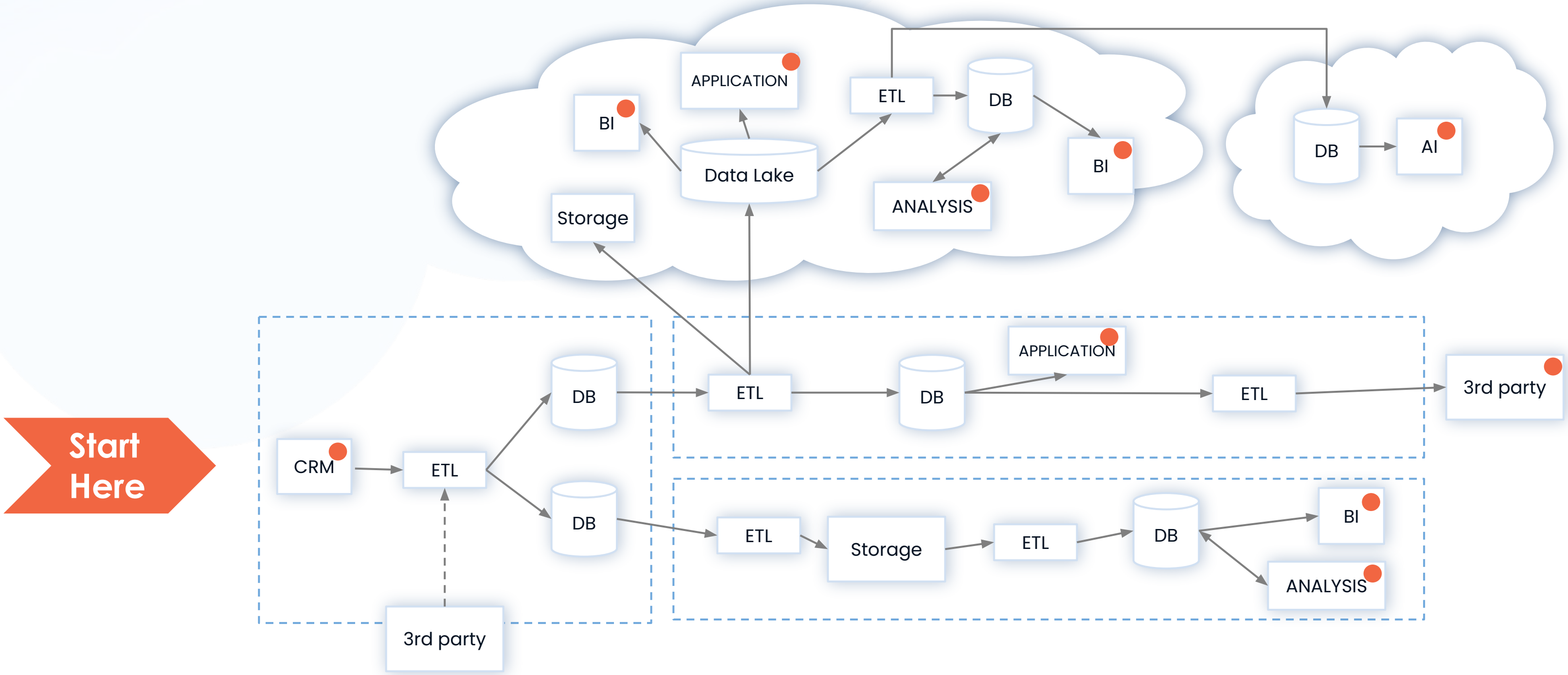


OCTOPAI

Lineage Space

Understanding the Data Journey

A single data point flow: Once upon a time ● exit the CRM...



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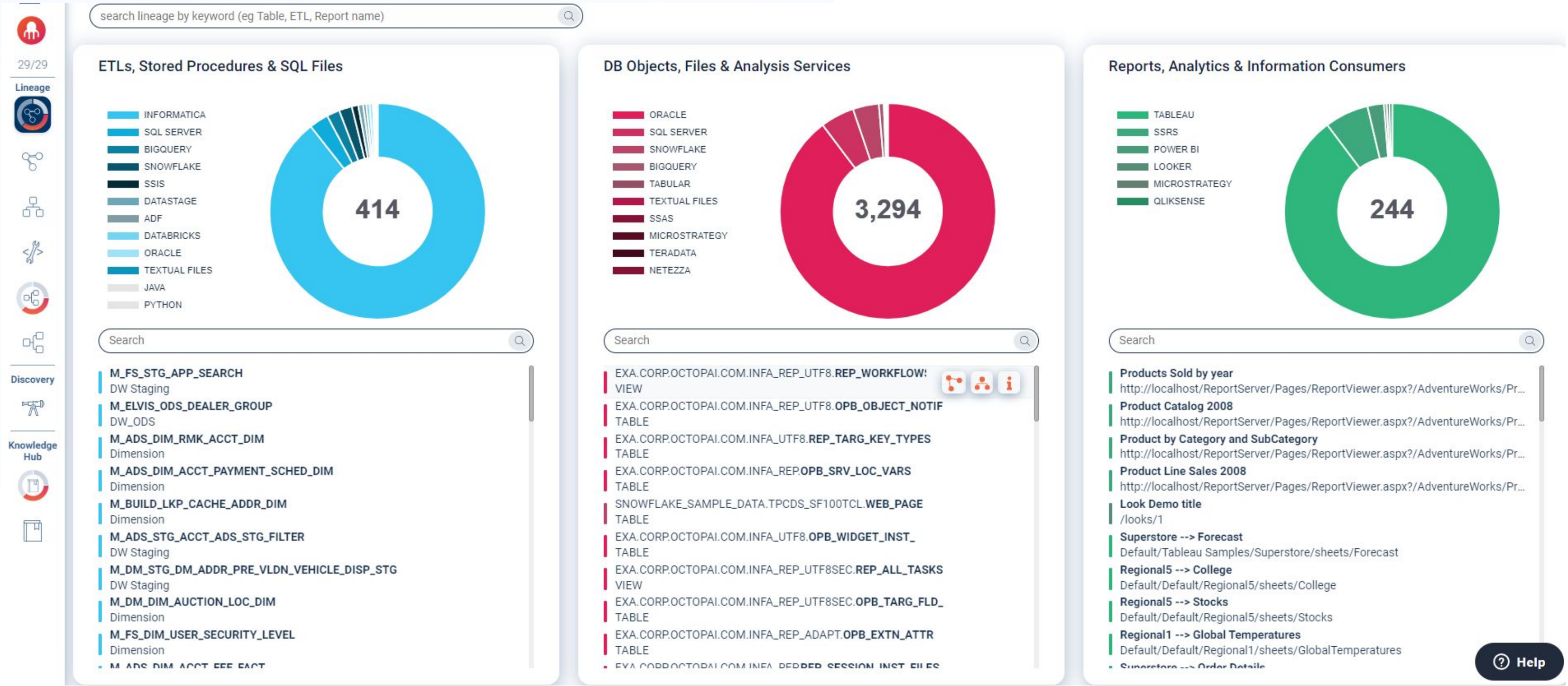
Lineage Dashboard

- Quick Search/Advanced Search to navigate to asset cross and inner system maps



M_FS_STG_APP_SEARCH
DW Staging
M_ELVIS_ODS_DEALER_GROUP
DW_ODS
M_ADS_DIM_RMK_ACCT_DIM
Dimension
M_ADS_DIM_ACCT_PAYMENT_SCHED_DIM
Dimension
M_BUILD_LKP_CACHE_ADDR_DIM
Dimension
M_ADS_STG_ACCT_ADS_STG_FILTER
DW Staging
M_DM_STG_DM_ADDR_PRE_VLDN_VEHICLE_DISP_STG
DW Staging
M_DM_DIM_AUCTION_LOC_DIM
Dimension
M_FS_DIM_USER_SECURITY_LEVEL
Dimension
M_ADS_DIM_ACCT_FEE_FACT

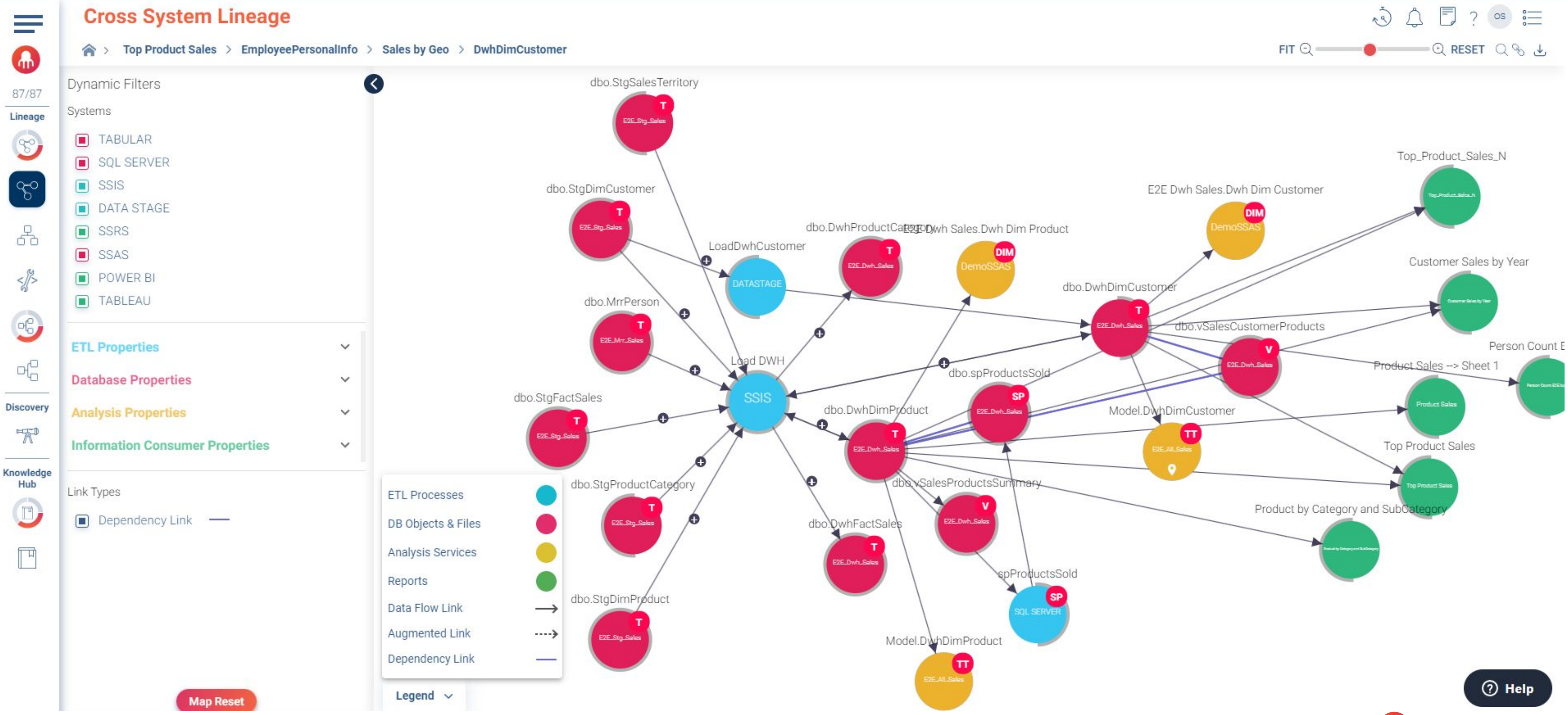
EXA.CORP.OCTOPAI.COM.INFA_REP_UTF8.**REP_WORKFLOW**
VIEW
EXA.CORP.OCTOPAI.COM.INFA_REP_UTF8.**OPB_OBJECT_NOTIF**
TABLE
EXA.CORP.OCTOPAI.COM.INFA_UTF8.**REP_TARG_KEY_TYPES**
TABLE
EXA.CORP.OCTOPAI.COM.INFA_REP.**OPB_SRV_LOC_VARS**
TABLE
SNOWFLAKE_SAMPLE_DATA.TPCDS_SF100TCL.**WEB_PAGE**
TABLE
EXA.CORP.OCTOPAI.COM.INFA_UTF8.**OPB_WIDGET_INST_**
TABLE
EXA.CORP.OCTOPAI.COM.INFA_REP_UTF8SEC.**REP_ALL_TASKS**
VIEW
EXA.CORP.OCTOPAI.COM.INFA_REP_UTF8SEC.**OPB_TARG_FLD_**
TABLE
EXA.CORP.OCTOPAI.COM.INFA_REP_ADAPT.**OPB_EXTN_ATTR**
TABLE
EXA.CORP.OCTOPAI.COM.INFA_REP.**REP_SESSION_INST_FILES**

Products Sold by year
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/Pr...
Product Catalog 2008
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/Pr...
Product by Category and SubCategory
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/Pr...
Product Line Sales 2008
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/Pr...
Look Demo title
/looks/1
Superstore --> Forecast
Default/Tableau Samples/Superstore/sheets/Forecast
Regional5 --> College
Default/Default/Regional5/sheets/College
Regional5 --> Stocks
Default/Default/Regional5/sheets/Stocks
Regional1 --> Global Temperatures
Default/Default/Regional1/sheets/GlobalTemperatures
Superstore --> Order Details

OCTOPAI

Cross System Lineage Impact Analysis

Cross System Map investigation with Dynamic Filters



Cross System Lineage

Top Product Sales > EmployeePersonalInfo > Sales by Geo > DwhDimCustomer

FIT RESET

87/87

Lineage

Discovery

Knowledge Hub

Dynamic Filters

Systems

- ☑ TABULAR
- ☑ SQL SERVER
- ☑ SSIS
- ☑ DATA STAGE
- ☑ SSRS
- ☑ SSAS
- ☑ POWER BI
- ☑ TABLEAU

ETL Properties

Database Properties

Analysis Properties

Information Consumer Properties

Link Types

- ☑ Dependency Link

Map Reset

ETL Processes	●
DB Objects & Files	●
Analysis Services	●
Reports	●
Data Flow Link	⟶
Augmented Link	····>
Dependency Link	—

Legend

Help

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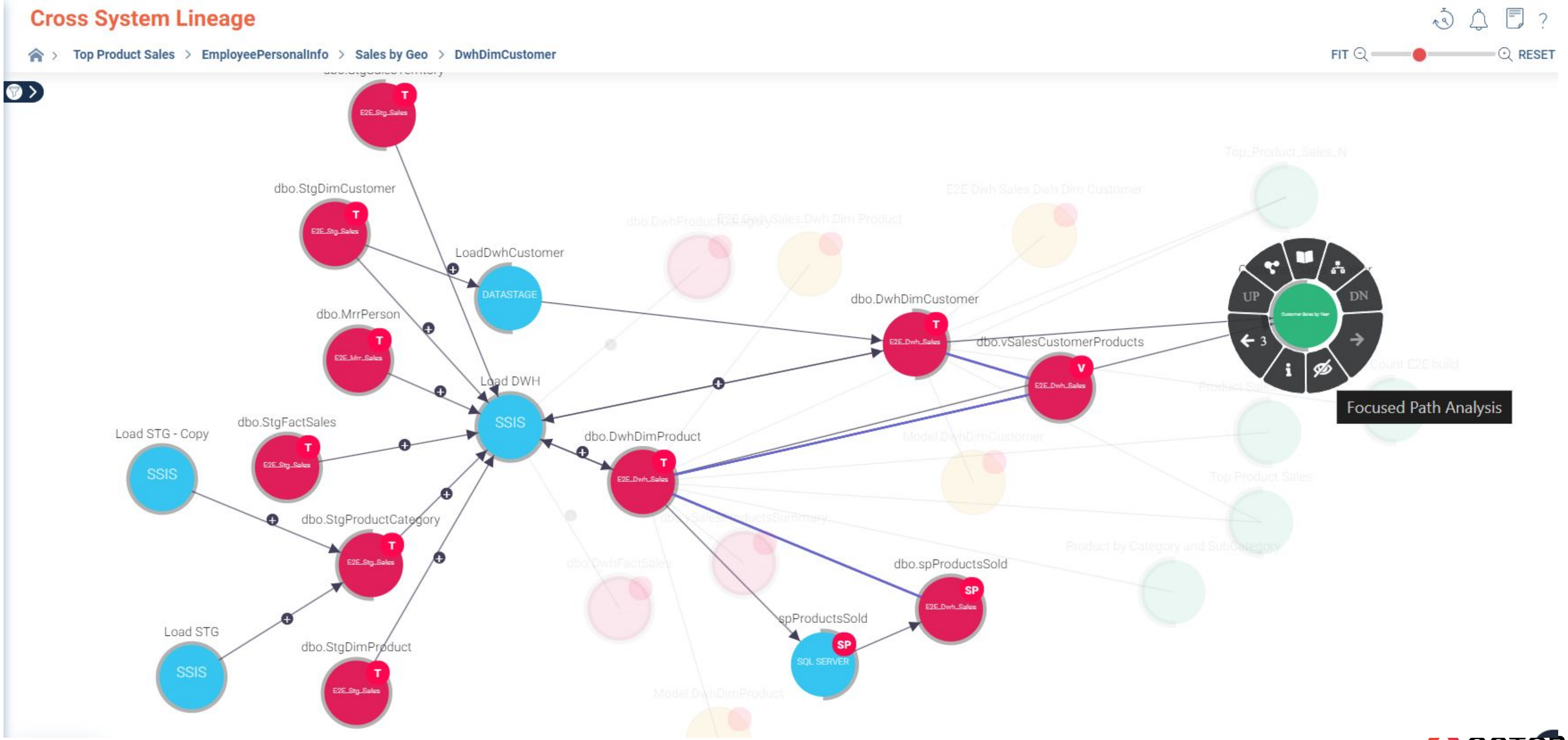
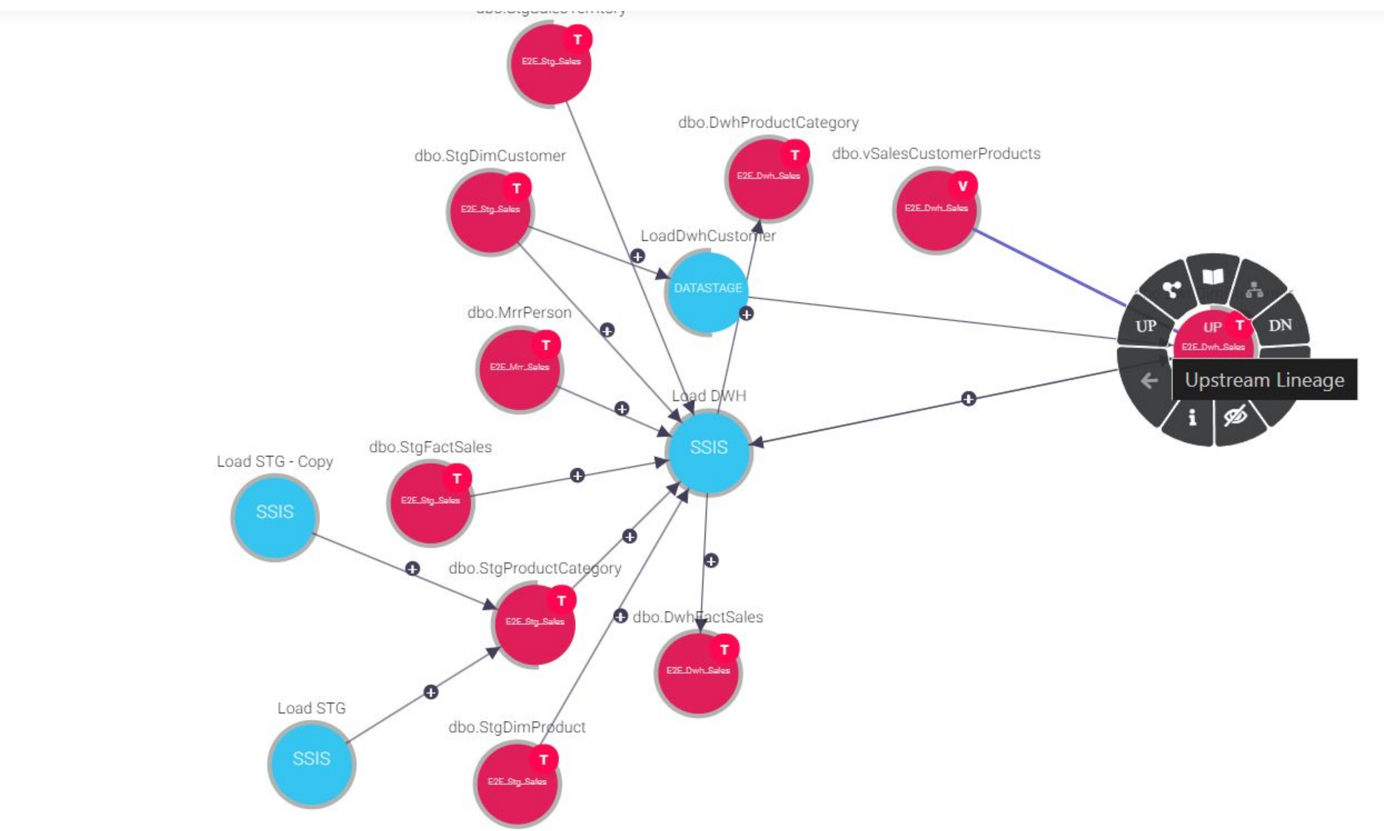
Cross System Lineage Impact Analysis

Focused Path Analysis



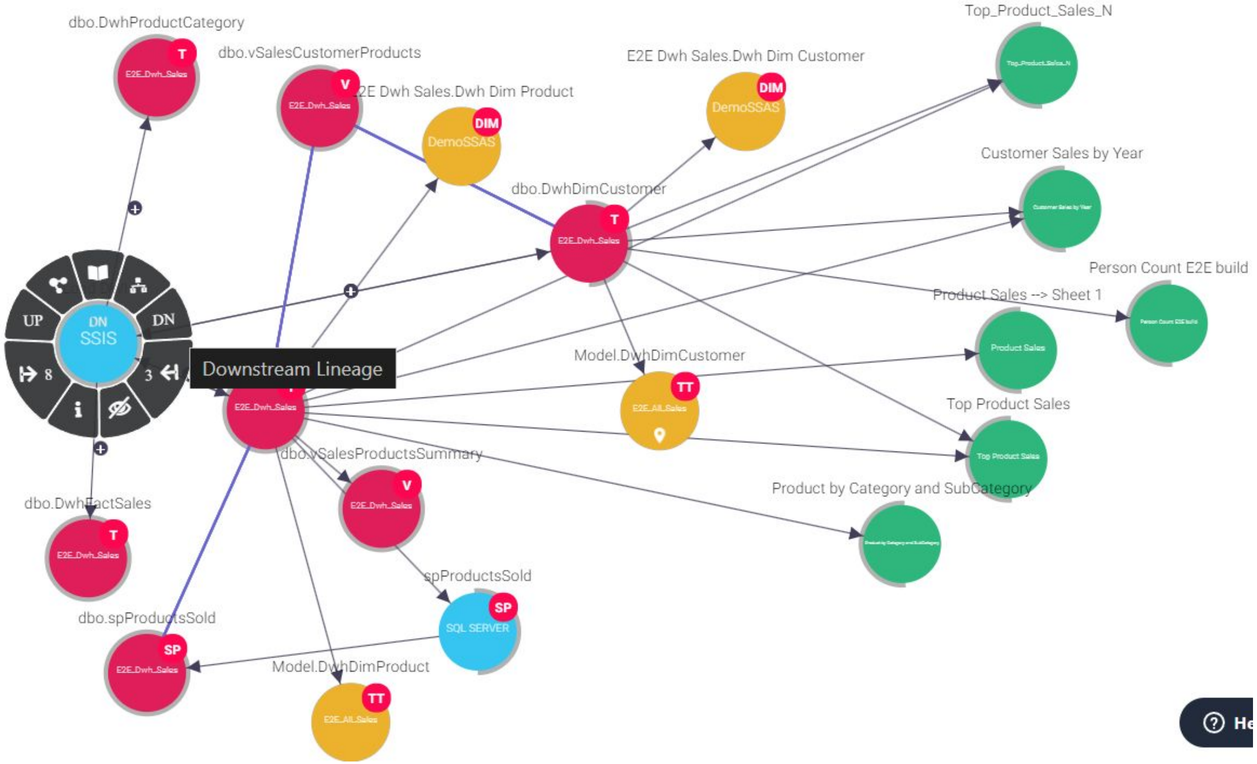
Cross System Lineage Impact Analysis

- Upstream Impact Analysis



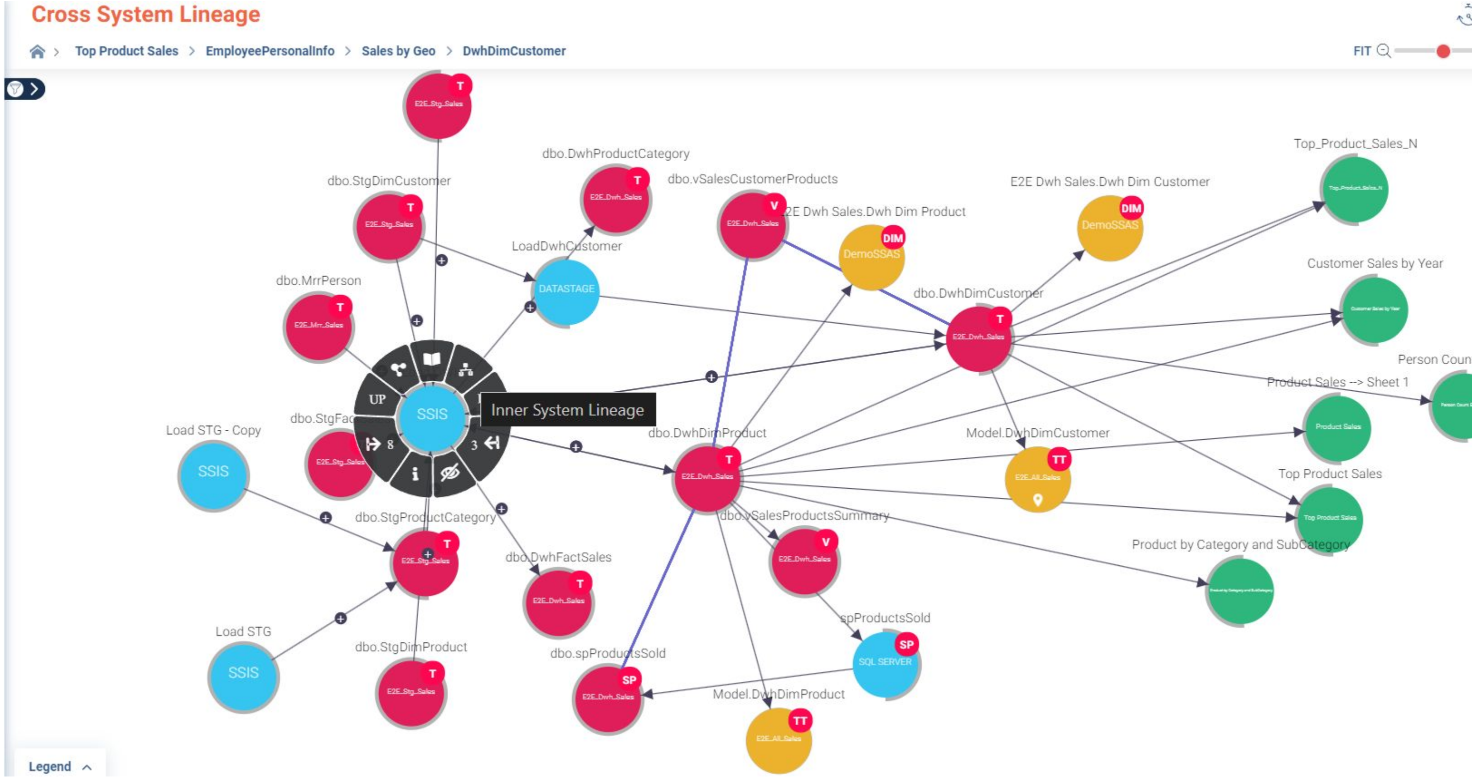
Cross System Lineage Impact Analysis

● Downstream Impact Analysis



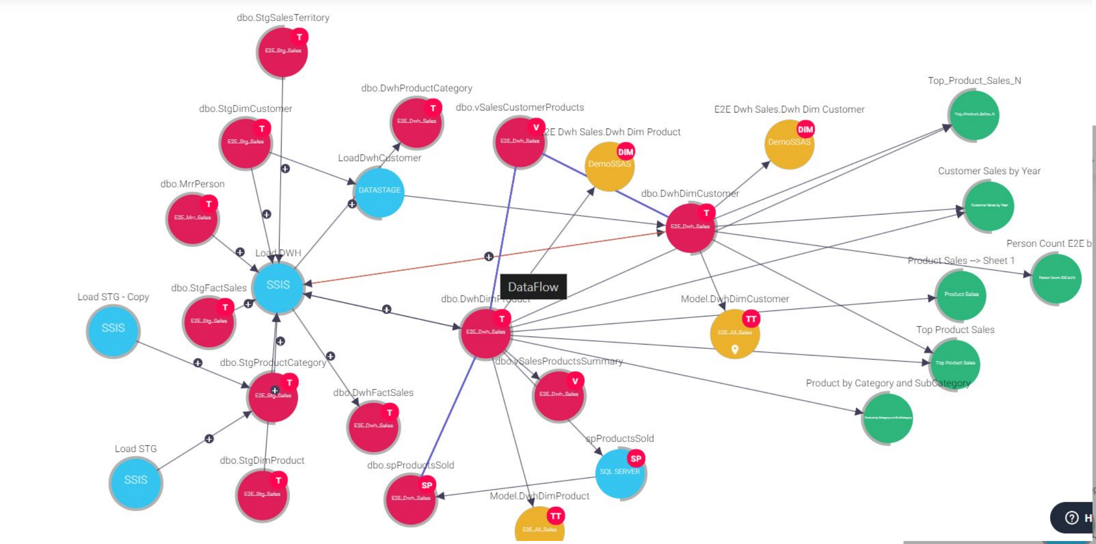
Inner System Lineage Impact Analysis

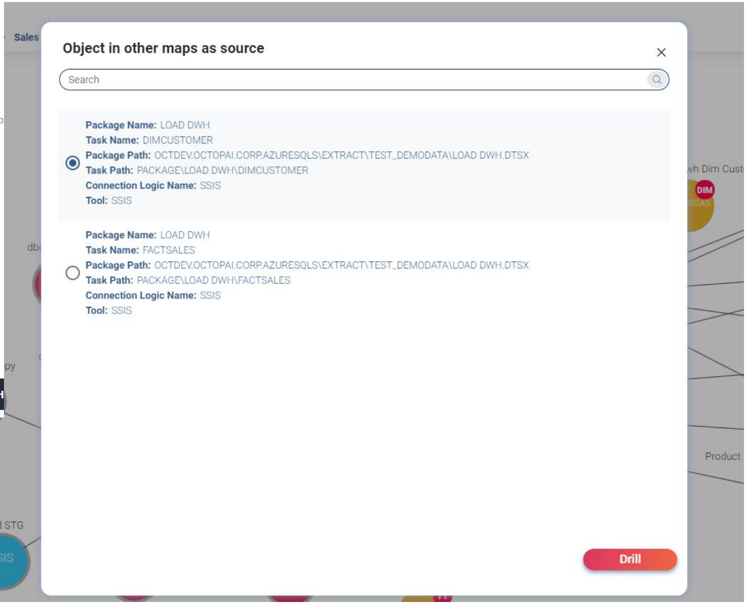
Investigate and Navigate from Cross to Inner System Maps



Cross System Lineage Impact Analysis

- Data flows Impact Analysis





Object in other maps as source

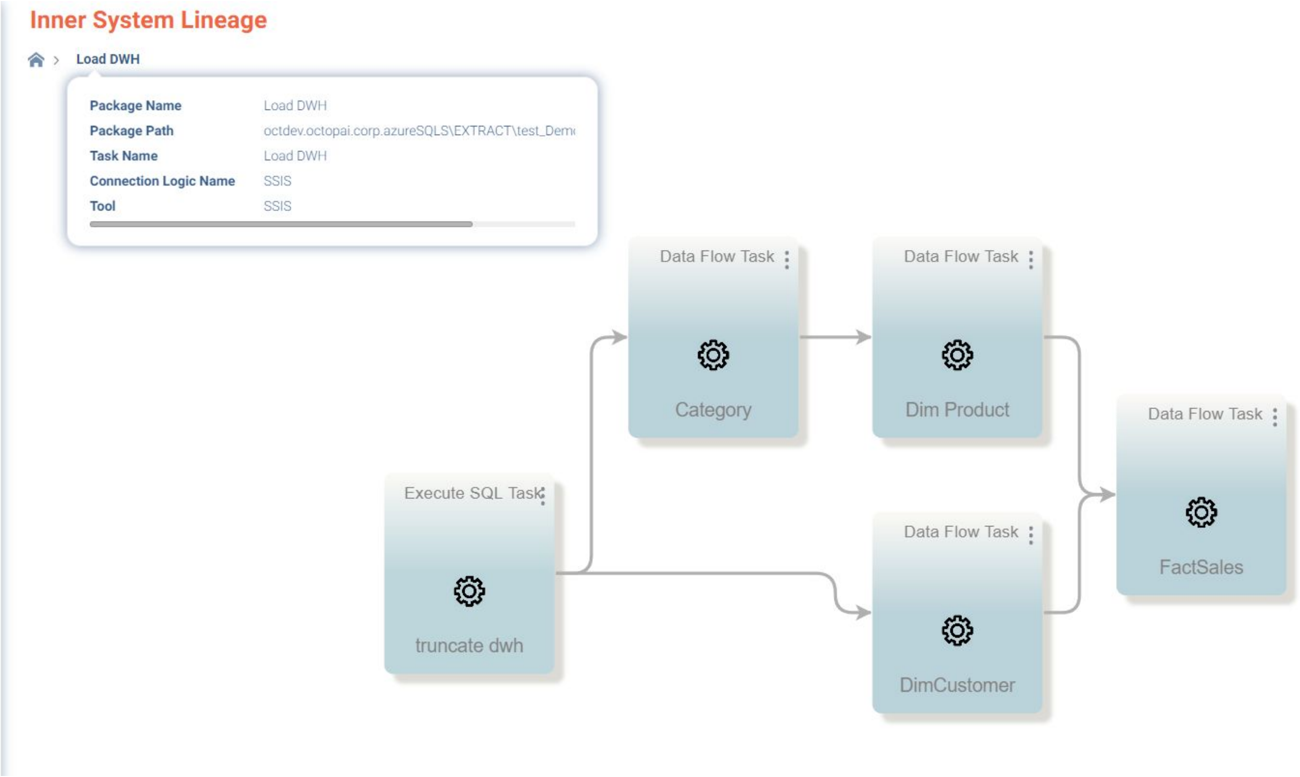
Search

● **Package Name:** LOAD DWH
Task Name: DIMCUSTOMER
Package Path: OCTDEV.OCTOPAI.CORP.AZURESQLS\EXTRACT\TEST_DEMODATA\LOAD DWH.DTSX
Task Path: PACKAGE\LOAD DWH\DIMCUSTOMER
Connection Logic Name: SSIS
Tool: SSIS

○ **Package Name:** LOAD DWH
Task Name: FACTSALES
Package Path: OCTDEV.OCTOPAI.CORP.AZURESQLS\EXTRACT\TEST_DEMODATA\LOAD DWH.DTSX
Task Path: PACKAGE\LOAD DWH\FACTSALES
Connection Logic Name: SSIS
Tool: SSIS

Inner System Lineage Impact Analysis

- Investigate and Navigate from Cross to Inner System Maps



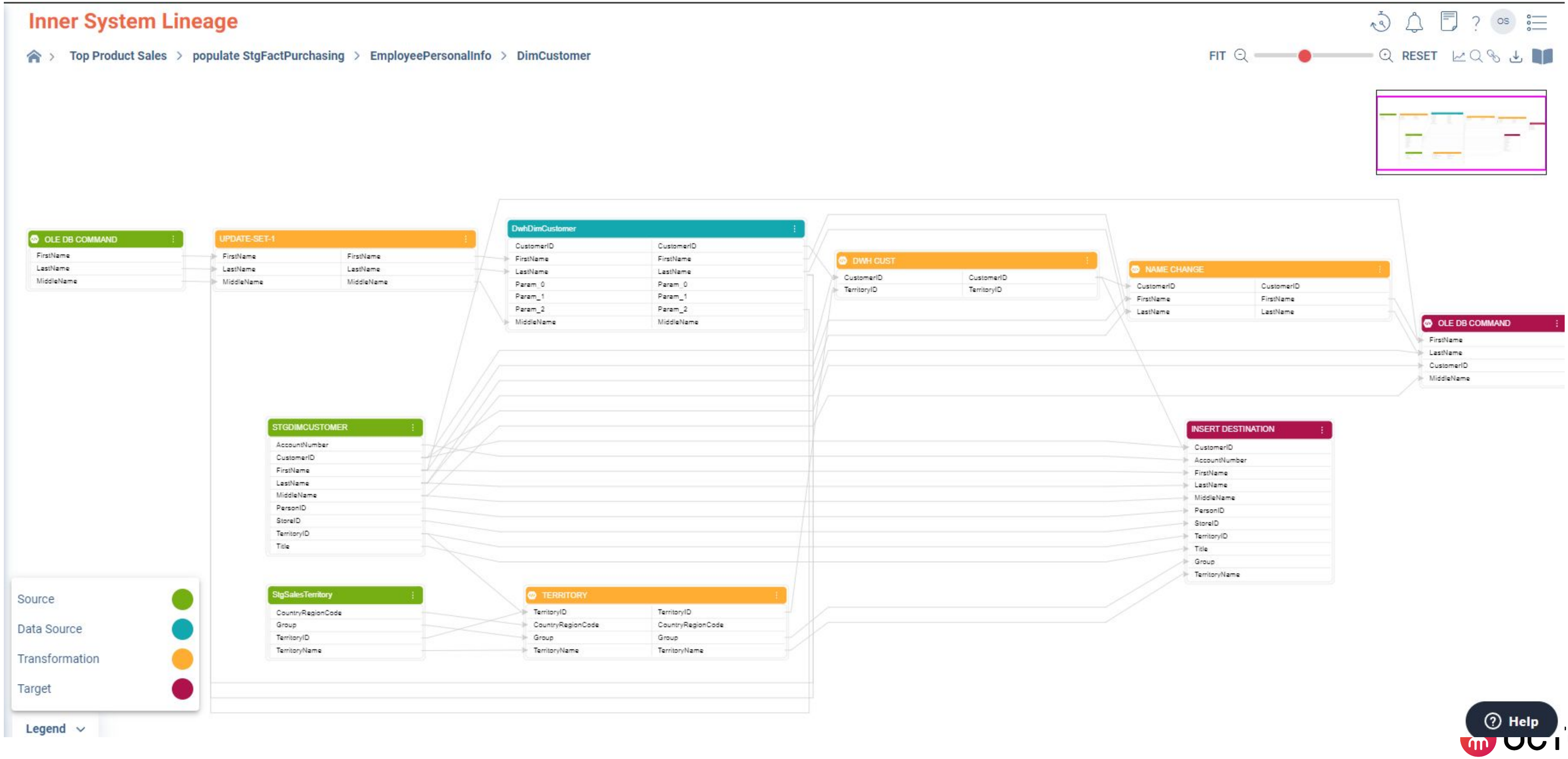
Inner System Lineage

Load DWH

Package Name	Load DWH
Package Path	octdev.octopai.corp.azureSQLS\EXTRACT\test_Dem
Task Name	Load DWH
Connection Logic Name	SSIS
Tool	SSIS

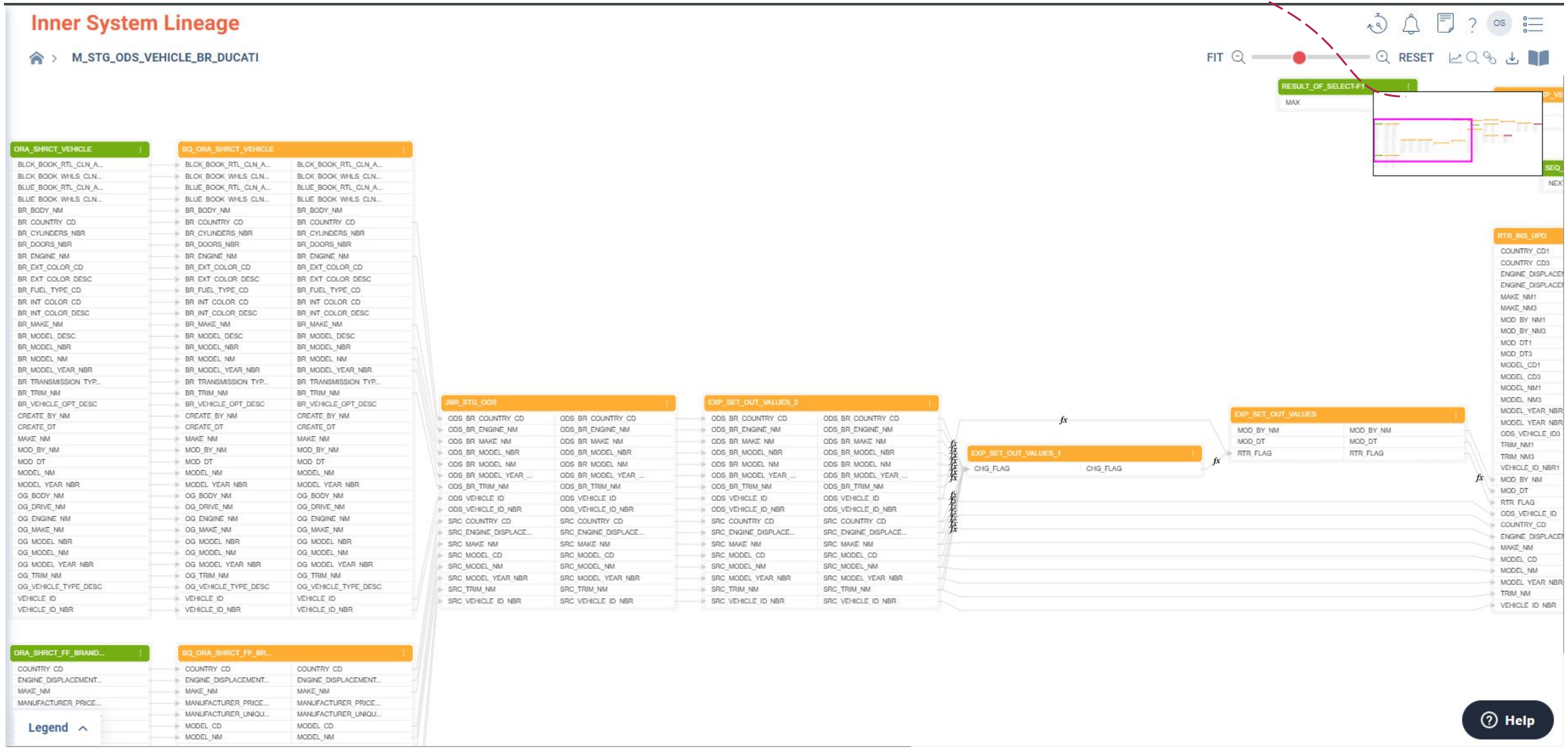
Inner System Lineage Impact Analysis

- Data flows Impact Analysis



Inner System Lineage Impact Analysis

- Investigate complex Inner Maps with the navigator



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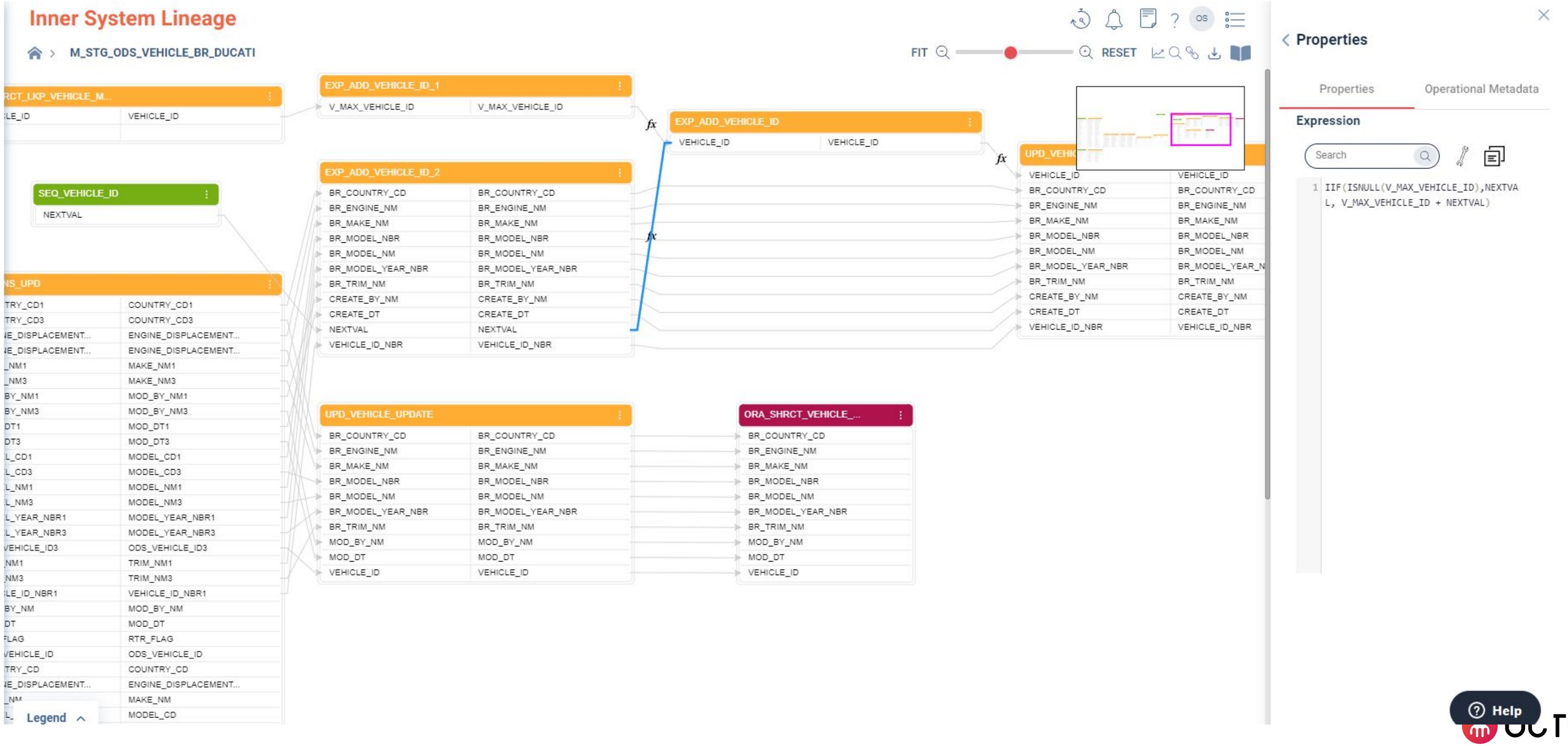
Inner System Lineage Impact Analysis

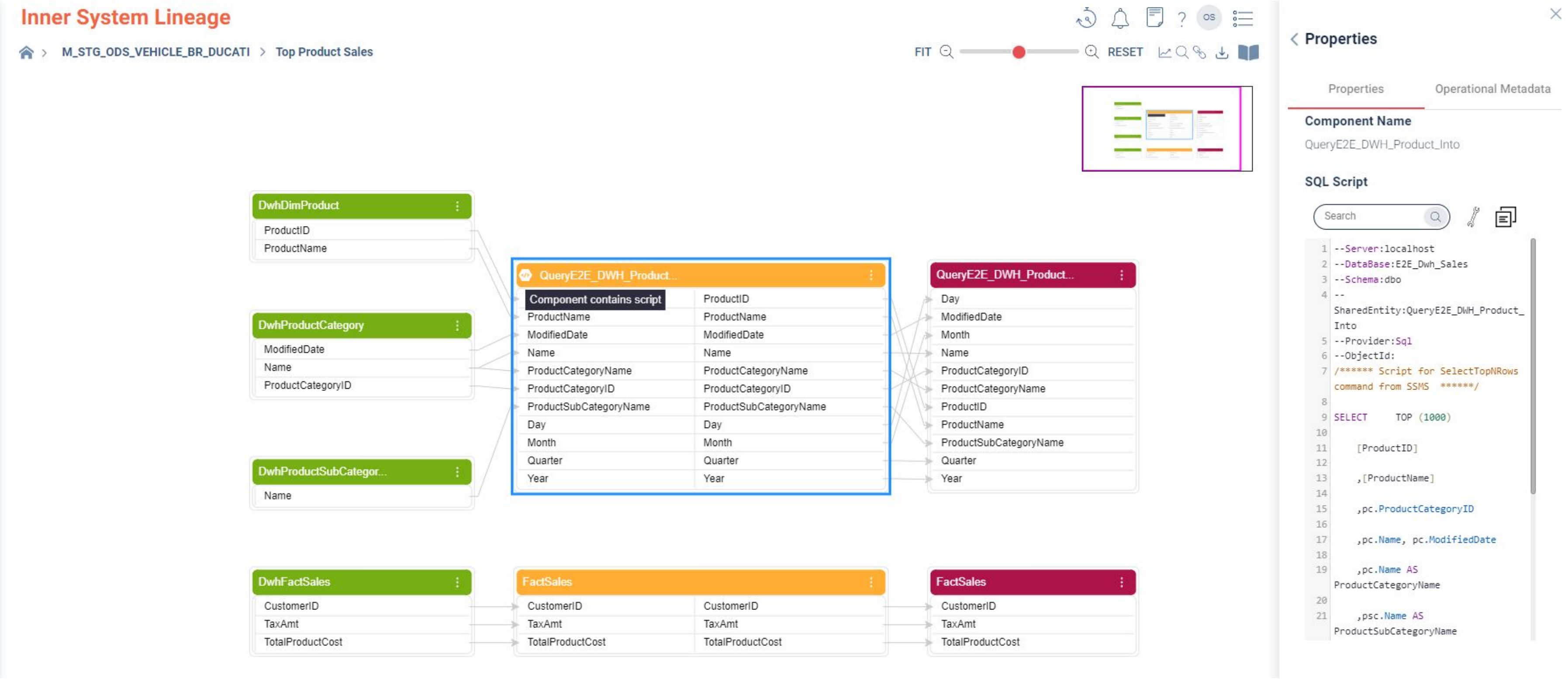
- Track fx (transformation & business logic) expressions for understanding how input fields are combined, altered, or calculated to produce outputs



```
IIF(ISNULL(V_MAX_VEHICLE_ID),NEXTVA
L, V_MAX_VEHICLE_ID + NEXTVAL)
```

Inner System Lineage Impact Analysis

- Detailed Transformation Logic (SQL scripts) to review specific business logic, filtering conditions, aggregations, and transformations applied to the data. By viewing the actual script, you can fully understand how data is being manipulated at each stage, including which fields are selected, filtered, or computed.



DwhDimProduct
ProductID
ProductName

DwhProductCategory
ModifiedDate
Name
ProductCategoryID

DwhProductSubCategor...
Name

QueryE2E_DWH_Product...

Component contains script	ProductID
ProductName	ProductName
ModifiedDate	ModifiedDate
Name	Name
ProductCategoryName	ProductCategoryName
ProductCategoryID	ProductCategoryID
ProductSubCategoryName	ProductSubCategoryName
Day	Day
Month	Month
Quarter	Quarter
Year	Year

QueryE2E_DWH_Product...
Day
ModifiedDate
Month
Name
ProductCategoryID
ProductCategoryName
ProductID
ProductName
ProductSubCategoryName
Quarter
Year

DwhFactSales
CustomerID
TaxAmt
TotalProductCost

FactSales

CustomerID	CustomerID
TaxAmt	TaxAmt
TotalProductCost	TotalProductCost

FactSales
CustomerID
TaxAmt
TotalProductCost

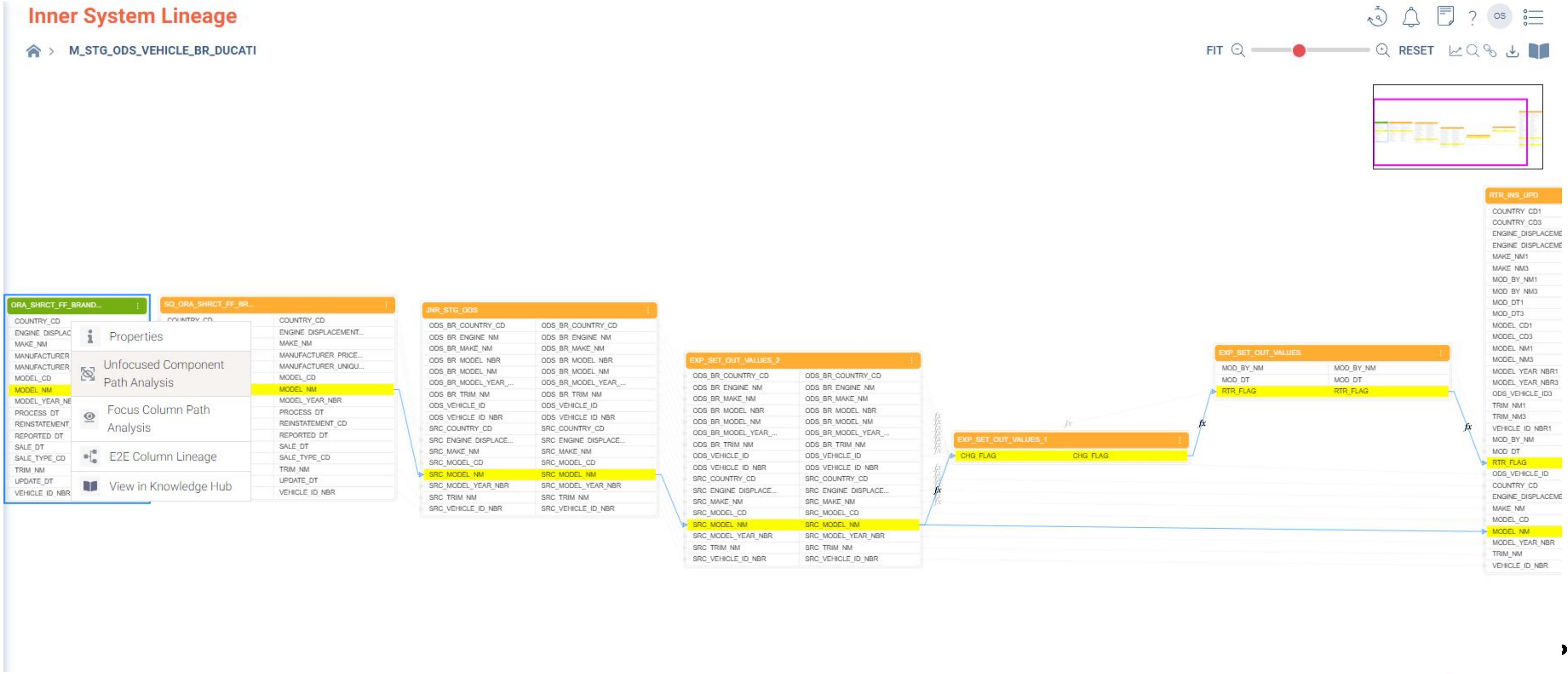
Component Name
QueryE2E_DWH_Product_Into

SQL Script

```sql
--Server:localhost
--DataBase:E2E_Dwh_Sales
--Schema:dbo
--SharedEntity:QueryE2E_DWH_Product_Into
--Provider:Sql
--ObjectId:
/****** Script for SelectTopNRows command from SSMS  ******/

SELECT     TOP (1000)

    [ProductID]

    ,[ProductName]

    ,pc.ProductCategoryID

    ,pc.Name, pc.ModifiedDate

    ,pc.Name AS ProductCategoryName

    ,psc.Name AS ProductSubCategoryName
```

Inner System Lineage Impact Analysis

● Focused Path Analysis



Inner System Lineage

M_STG_ODS_VEHICLE_BR_DUCATI

ORA_SHRCT_FF_BRAND...

COUNTRY_CD
ENGINE_DISPLAC
MAKE_NM
MANUFACTURER
MANUFACTURER
MODEL_CD
MODEL_NM
MODEL_YEAR_NE
PROCESS_DT
REINSTATEMENT_
REPORTED_DT
SALE_DT
SALE_TYPE_CD
TRIM_NM
UPDATE_DT
VEHICLE_ID_NBR

- Properties
- Unfocused Component Path Analysis
- Focus Column Path Analysis
- E2E Column Lineage
- View in Knowledge Hub

SQ_ORA_SHRCT_FF_BR...

COUNTRY_CD	COUNTRY_CD
	ENGINE_DISPLACEMENT...
	MAKE_NM
	MANUFACTURER_PRICE...
	MANUFACTURER_UNIQU...
	MODEL_CD
	MODEL_NM
	MODEL_YEAR_NBR
	PROCESS_DT
	REINSTATEMENT_CD
	REPORTED_DT
	SALE_DT
	SALE_TYPE_CD
	TRIM_NM
	UPDATE_DT
	VEHICLE_ID_NBR

JNR_STG_ODS

ODS_BR_COUNTRY_CD	ODS_BR_COUNTRY_CD
ODS_BR_ENGINE_NM	ODS_BR_ENGINE_NM
ODS_BR_MAKE_NM	ODS_BR_MAKE_NM
ODS_BR_MODEL_NBR	ODS_BR_MODEL_NBR
ODS_BR_MODEL_NM	ODS_BR_MODEL_NM
ODS_BR_MODEL_YEAR_...	ODS_BR_MODEL_YEAR_...
ODS_BR_TRIM_NM	ODS_BR_TRIM_NM
ODS_VEHICLE_ID	ODS_VEHICLE_ID
ODS_VEHICLE_ID_NBR	ODS_VEHICLE_ID_NBR
SRC_COUNTRY_CD	SRC_COUNTRY_CD
SRC_ENGINE_DISPLACE...	SRC_ENGINE_DISPLACE...
SRC_MAKE_NM	SRC_MAKE_NM
SRC_MODEL_CD	SRC_MODEL_CD
SRC_MODEL_NM	SRC_MODEL_NM
SRC_MODEL_YEAR_NBR	SRC_MODEL_YEAR_NBR
SRC_TRIM_NM	SRC_TRIM_NM
SRC_VEHICLE_ID_NBR	SRC_VEHICLE_ID_NBR

EXP_SET_OUT_VALUES_2

ODS_BR_COUNTRY_CD	ODS_BR_COUNTRY_CD
ODS_BR_ENGINE_NM	ODS_BR_ENGINE_NM
ODS_BR_MAKE_NM	ODS_BR_MAKE_NM
ODS_BR_MODEL_NBR	ODS_BR_MODEL_NBR
ODS_BR_MODEL_NM	ODS_BR_MODEL_NM
ODS_BR_MODEL_YEAR_...	ODS_BR_MODEL_YEAR_...
ODS_BR_TRIM_NM	ODS_BR_TRIM_NM
ODS_VEHICLE_ID	ODS_VEHICLE_ID
ODS_VEHICLE_ID_NBR	ODS_VEHICLE_ID_NBR
SRC_COUNTRY_CD	SRC_COUNTRY_CD
SRC_ENGINE_DISPLACE...	SRC_ENGINE_DISPLACE...
SRC_MAKE_NM	SRC_MAKE_NM
SRC_MODEL_CD	SRC_MODEL_CD
SRC_MODEL_NM	SRC_MODEL_NM
SRC_MODEL_YEAR_NBR	SRC_MODEL_YEAR_NBR
SRC_TRIM_NM	SRC_TRIM_NM
SRC_VEHICLE_ID_NBR	SRC_VEHICLE_ID_NBR

EXP_SET_OUT_VALUES_1

CHG_FLAG	CHG_FLAG

EXP_SET_OUT_VALUES

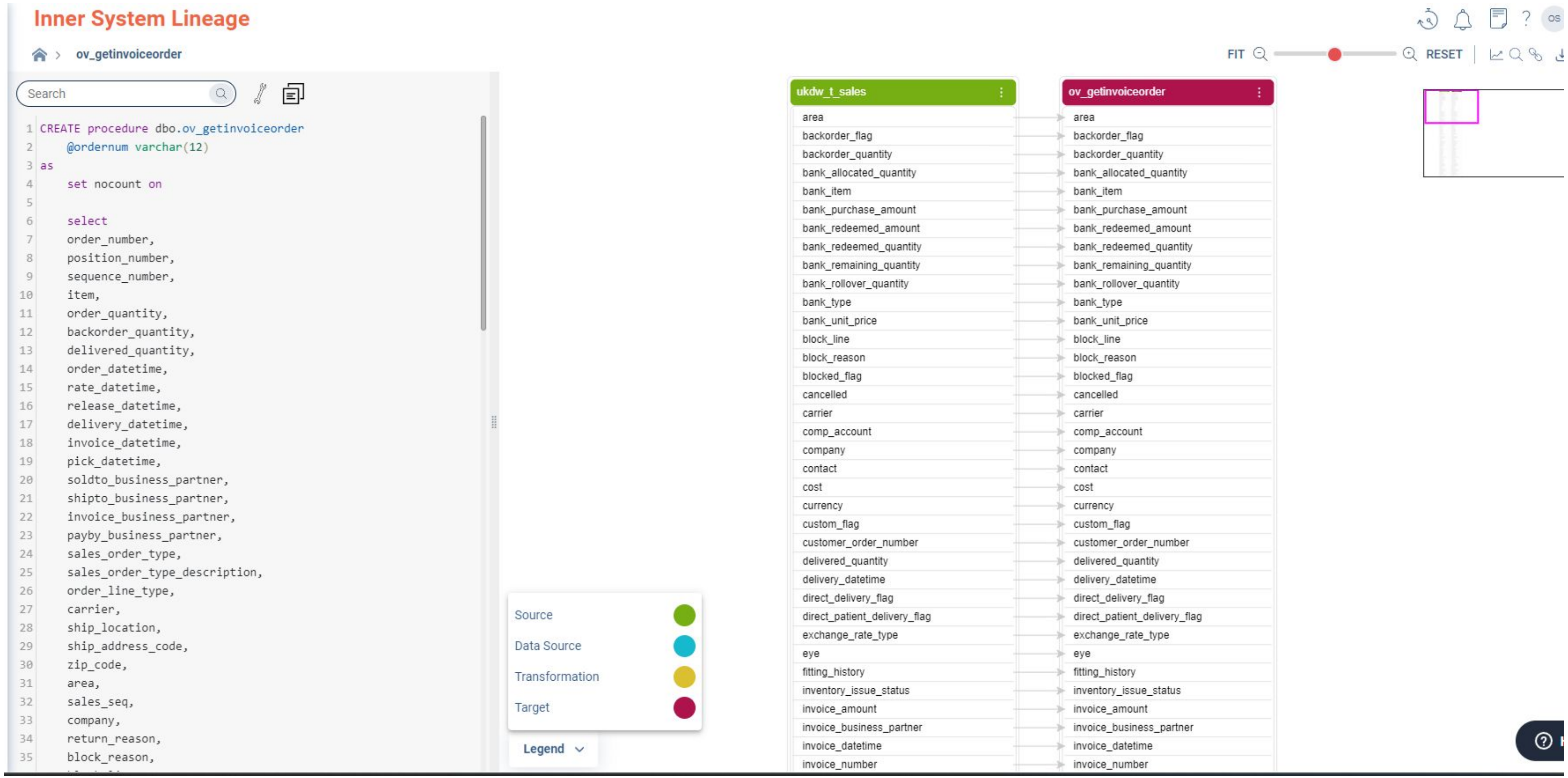
MOD_BY_NM	MOD_BY_NM
MOD_DT	MOD_DT
RTR_FLAG	RTR_FLAG

RTR_INS_UPD

COUNTRY_CD1
COUNTRY_CD3
ENGINE_DISPLACEME
ENGINE_DISPLACEME
MAKE_NM1
MAKE_NM3
MOD_BY_NM1
MOD_BY_NM3
MOD_DT1
MOD_DT3
MODEL_CD1
MODEL_CD3
MODEL_NM1
MODEL_NM3
MODEL_YEAR_NBR1
MODEL_YEAR_NBR3
ODS_VEHICLE_ID3
TRIM_NM1
TRIM_NM3
VEHICLE_ID_NBR1
MOD_BY_NM
MOD_DT
RTR_FLAG
ODS_VEHICLE_ID
COUNTRY_CD
ENGINE_DISPLACEME
MAKE_NM
MODEL_CD
MODEL_NM
MODEL_YEAR_NBR
TRIM_NM
VEHICLE_ID_NBR

Inner-System Lineage Impact Analysis

Script/Stored Procedure Inner-System Maps



```
CREATE procedure dbo.ov_getinvoiceorder
    @ordernum varchar(12)
as
    set nocount on

    select
    order_number,
    position_number,
    sequence_number,
    item,
    order_quantity,
    backorder_quantity,
    delivered_quantity,
    order_datetime,
    rate_datetime,
    release_datetime,
    delivery_datetime,
    invoice_datetime,
    pick_datetime,
    soldto_business_partner,
    shipto_business_partner,
    invoice_business_partner,
    payby_business_partner,
    sales_order_type,
    sales_order_type_description,
    order_line_type,
    carrier,
    ship_location,
    ship_address_code,
    zip_code,
    area,
    sales_seq,
    company,
    return_reason,
    block_reason,
```

ukdw_t_sales	ov_getinvoiceorder
area	area
backorder_flag	backorder_flag
backorder_quantity	backorder_quantity
bank_allocated_quantity	bank_allocated_quantity
bank_item	bank_item
bank_purchase_amount	bank_purchase_amount
bank_redeemed_amount	bank_redeemed_amount
bank_redeemed_quantity	bank_redeemed_quantity
bank_remaining_quantity	bank_remaining_quantity
bank_rollover_quantity	bank_rollover_quantity
bank_type	bank_type
bank_unit_price	bank_unit_price
block_line	block_line
block_reason	block_reason
blocked_flag	blocked_flag
cancelled	cancelled
carrier	carrier
comp_account	comp_account
company	company
contact	contact
cost	cost
currency	currency
custom_flag	custom_flag
customer_order_number	customer_order_number
delivered_quantity	delivered_quantity
delivery_datetime	delivery_datetime
direct_delivery_flag	direct_delivery_flag
direct_patient_delivery_flag	direct_patient_delivery_flag
exchange_rate_type	exchange_rate_type
eye	eye
fitting_history	fitting_history
inventory_issue_status	inventory_issue_status
invoice_amount	invoice_amount
invoice_business_partner	invoice_business_partner
invoice_datetime	invoice_datetime
invoice_number	invoice_number

Source	🟢
Data Source	🔵
Transformation	🟡
Target	🔴

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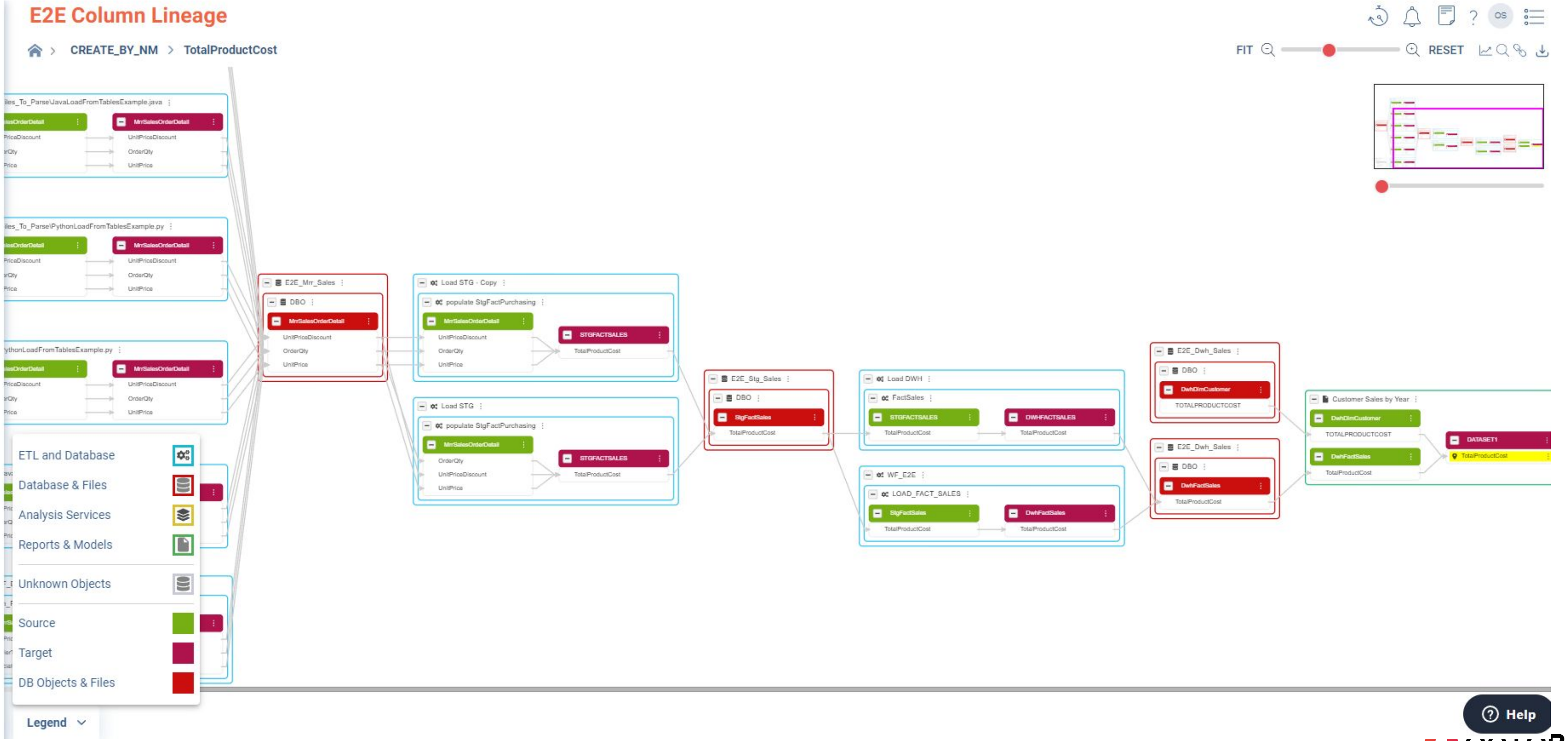
E2E Column Lineage Impact Analysis

- Traceability of the entire data asset upstream/downstream



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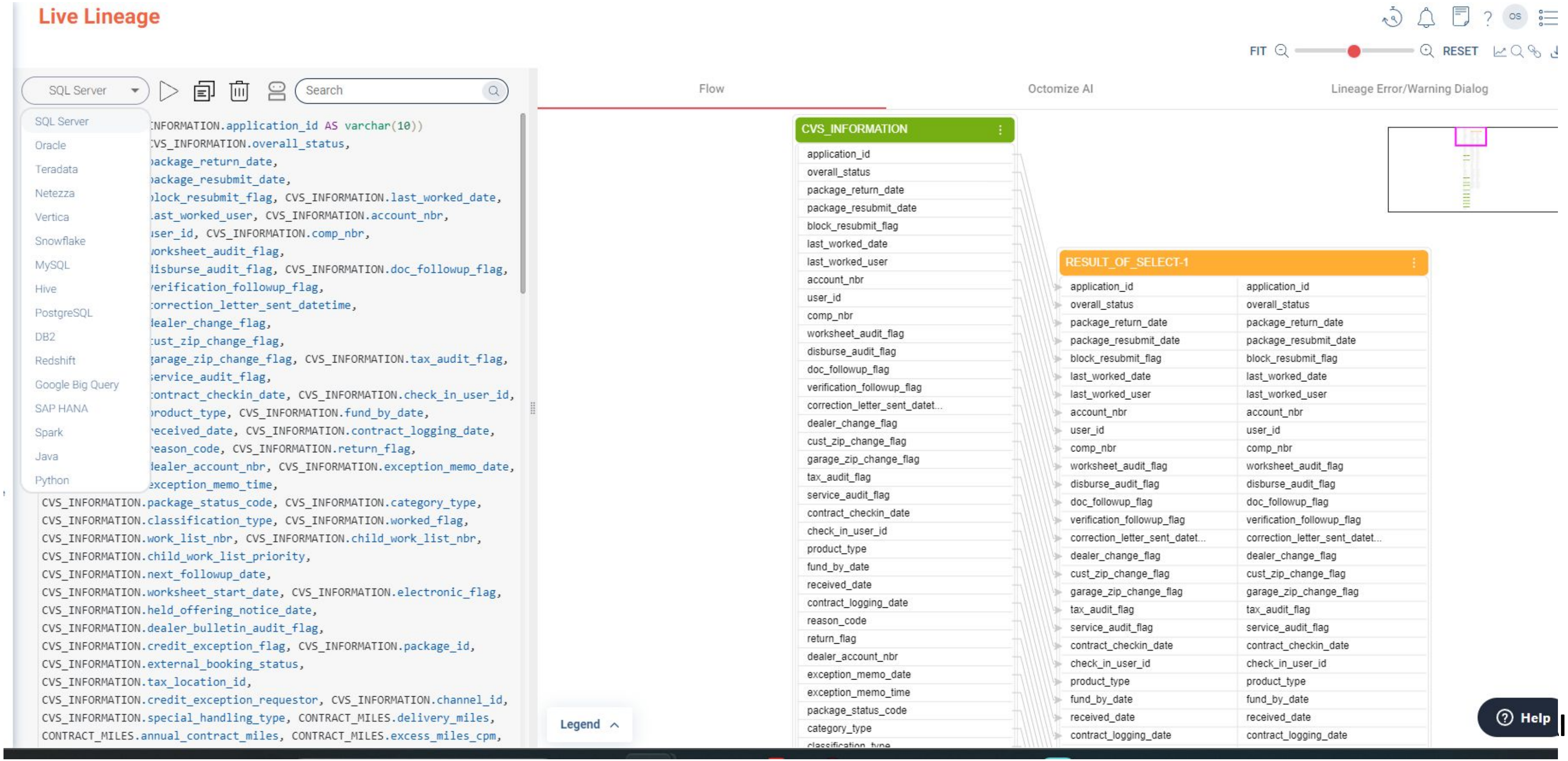
AI Lineage Studio

Lineage Studio – Live Parsing Maps

- Use the studio to simulate any changes to your scripts/stored procedures to see live lineage maps



```
INFORMATION.application_id AS varchar(10))
VS_INFORMATION.overall_status,
ackage_return_date,
ackage_resubmit_date,
lock_resubmit_flag, CVS_INFORMATION.last_worked_date,
ast_worked_user, CVS_INFORMATION.account_nbr,
ser_id, CVS_INFORMATION.comp_nbr,
orksheet_audit_flag,
isburse_audit_flag, CVS_INFORMATION.doc_followup_flag,
erification_followup_flag,
orrection_letter_sent_datetime,
ealer_change_flag,
ust_zip_change_flag,
arage_zip_change_flag, CVS_INFORMATION.tax_audit_flag,
ervice_audit_flag,
ontract_checkin_date, CVS_INFORMATION.check_in_user_id,
roduct_type, CVS_INFORMATION.fund_by_date,
eceived_date, CVS_INFORMATION.contract_logging_date,
eason_code, CVS_INFORMATION.return_flag,
ealer_account_nbr, CVS_INFORMATION.exception_memo_date,
xception_memo_time,
CVS_INFORMATION.package_status_code, CVS_INFORMATION.category_type,
CVS_INFORMATION.classification_type, CVS_INFORMATION.worked_flag,
CVS_INFORMATION.work_list_nbr, CVS_INFORMATION.child_work_list_nbr,
CVS_INFORMATION.child_work_list_priority,
CVS_INFORMATION.next_followup_date,
CVS_INFORMATION.worksheet_start_date, CVS_INFORMATION.electronic_flag,
CVS_INFORMATION.held_offering_notice_date,
CVS_INFORMATION.dealer_bulletin_audit_flag,
CVS_INFORMATION.credit_exception_flag, CVS_INFORMATION.package_id,
CVS_INFORMATION.external_booking_status,
CVS_INFORMATION.tax_location_id,
CVS_INFORMATION.credit_exception_requestor, CVS_INFORMATION.channel_id,
CVS_INFORMATION.special_handling_type, CONTRACT_MILES.delivery_miles,
CONTRACT_MILES.annual_contract_miles, CONTRACT_MILES.excess_miles_cpm,
```

CVS_INFORMATION

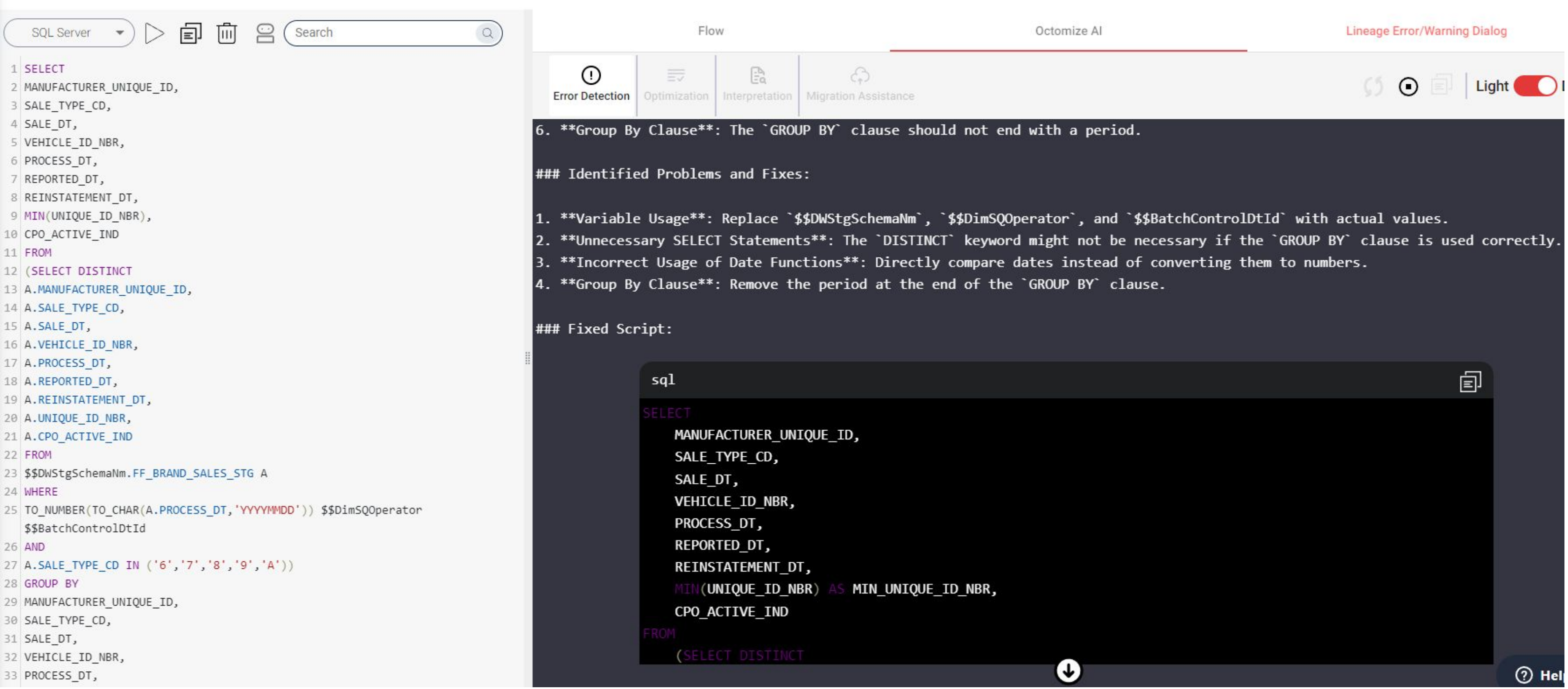
application_id
overall_status
package_return_date
package_resubmit_date
block_resubmit_flag
last_worked_date
last_worked_user
account_nbr
user_id
comp_nbr
worksheet_audit_flag
disburse_audit_flag
doc_followup_flag
verification_followup_flag
correction_letter_sent_datet...
dealer_change_flag
cust_zip_change_flag
garage_zip_change_flag
tax_audit_flag
service_audit_flag
contract_checkin_date
check_in_user_id
product_type
fund_by_date
received_date
contract_logging_date
reason_code
return_flag
dealer_account_nbr
exception_memo_date
exception_memo_time
package_status_code
category_type
classification_type

RESULT_OF_SELECT-1

application_id	application_id
overall_status	overall_status
package_return_date	package_return_date
package_resubmit_date	package_resubmit_date
block_resubmit_flag	block_resubmit_flag
last_worked_date	last_worked_date
last_worked_user	last_worked_user
account_nbr	account_nbr
user_id	user_id
comp_nbr	comp_nbr
worksheet_audit_flag	worksheet_audit_flag
disburse_audit_flag	disburse_audit_flag
doc_followup_flag	doc_followup_flag
verification_followup_flag	verification_followup_flag
correction_letter_sent_datet...	correction_letter_sent_datet...
dealer_change_flag	dealer_change_flag
cust_zip_change_flag	cust_zip_change_flag
garage_zip_change_flag	garage_zip_change_flag
tax_audit_flag	tax_audit_flag
service_audit_flag	service_audit_flag
contract_checkin_date	contract_checkin_date
check_in_user_id	check_in_user_id
product_type	product_type
fund_by_date	fund_by_date
received_date	received_date
contract_logging_date	contract_logging_date

Lineage Studio – Octomize AI for Error Fixing

- Analyze any SQL script, stored procedures, Python/JAVA/Spark scripts for error identification



```
SELECT
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR,
PROCESS_DT,
REPORTED_DT,
REINSTATEMENT_DT,
MIN(UNIQUE_ID_NBR),
CPO_ACTIVE_IND
FROM
(SELECT DISTINCT
A.MANUFACTURER_UNIQUE_ID,
A.SALE_TYPE_CD,
A.SALE_DT,
A.VEHICLE_ID_NBR,
A.PROCESS_DT,
A.REPORTED_DT,
A.REINSTATEMENT_DT,
A.UNIQUE_ID_NBR,
A.CPO_ACTIVE_IND
FROM
$$DWStgSchemaNm.FF_BRAND_SALES_STG A
WHERE
TO_NUMBER(TO_CHAR(A.PROCESS_DT,'YYYYMMDD')) $$DimSQOperator
$$BatchControlDtId
AND
A.SALE_TYPE_CD IN ('6','7','8','9','A'))
GROUP BY
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR,
PROCESS_DT,
```

```
6. **Group By Clause**: The `GROUP BY` clause should not end with a period.

### Identified Problems and Fixes:

1. **Variable Usage**: Replace `$$DWStgSchemaNm`, `$$DimSQOperator`, and `$$BatchControlDtId` with actual values.
2. **Unnecessary SELECT Statements**: The `DISTINCT` keyword might not be necessary if the `GROUP BY` clause is used correctly.
3. **Incorrect Usage of Date Functions**: Directly compare dates instead of converting them to numbers.
4. **Group By Clause**: Remove the period at the end of the `GROUP BY` clause.

### Fixed Script:
```

sql

```sql
SELECT
    MANUFACTURER_UNIQUE_ID,
    SALE_TYPE_CD,
    SALE_DT,
    VEHICLE_ID_NBR,
    PROCESS_DT,
    REPORTED_DT,
    REINSTATEMENT_DT,
    MIN(UNIQUE_ID_NBR) AS MIN_UNIQUE_ID_NBR,
    CPO_ACTIVE_IND
FROM
    (SELECT DISTINCT
```

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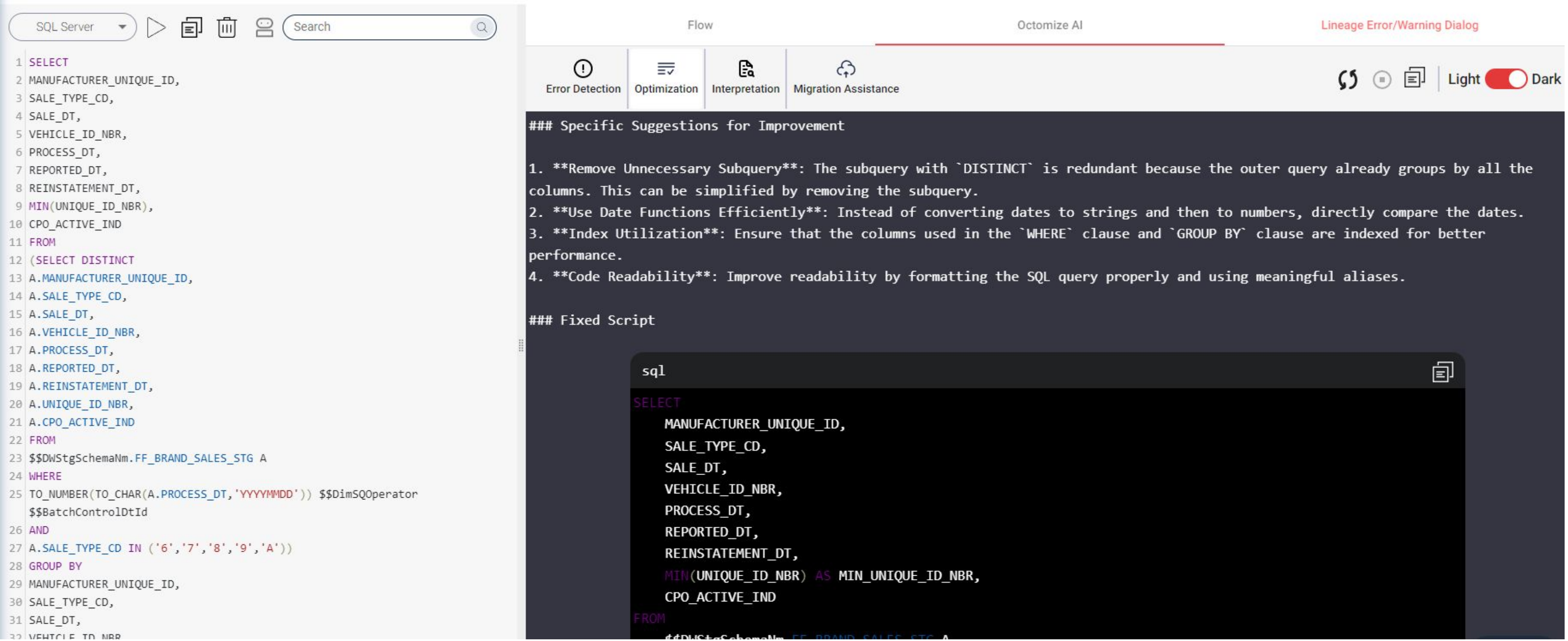
Lineage Studio – Octomize AI for Performance Optimizations

- Analyze any SQL script, stored procedures, Python/JAVA/Spark scripts for performance and reliability



```
SELECT
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR,
PROCESS_DT,
REPORTED_DT,
REINSTATEMENT_DT,
MIN(UNIQUE_ID_NBR),
CPO_ACTIVE_IND
FROM
(SELECT DISTINCT
A.MANUFACTURER_UNIQUE_ID,
A.SALE_TYPE_CD,
A.SALE_DT,
A.VEHICLE_ID_NBR,
A.PROCESS_DT,
A.REPORTED_DT,
A.REINSTATEMENT_DT,
A.UNIQUE_ID_NBR,
A.CPO_ACTIVE_IND
FROM
$$DWStgSchemaNm.FF_BRAND_SALES_STG A
WHERE
TO_NUMBER(TO_CHAR(A.PROCESS_DT,'YYYYMMDD')) $$DimSQOperator $$BatchControlDtId
AND
A.SALE_TYPE_CD IN ('6','7','8','9','A'))
GROUP BY
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR
```

Specific Suggestions for Improvement

1. **Remove Unnecessary Subquery**: The subquery with `DISTINCT` is redundant because the outer query already groups by all the columns. This can be simplified by removing the subquery.
2. **Use Date Functions Efficiently**: Instead of converting dates to strings and then to numbers, directly compare the dates.
3. **Index Utilization**: Ensure that the columns used in the `WHERE` clause and `GROUP BY` clause are indexed for better performance.
4. **Code Readability**: Improve readability by formatting the SQL query properly and using meaningful aliases.

Fixed Script

sql

```sql
SELECT
    MANUFACTURER_UNIQUE_ID,
    SALE_TYPE_CD,
    SALE_DT,
    VEHICLE_ID_NBR,
    PROCESS_DT,
    REPORTED_DT,
    REINSTATEMENT_DT,
    MIN(UNIQUE_ID_NBR) AS MIN_UNIQUE_ID_NBR,
    CPO_ACTIVE_IND
FROM
    $$DWStgSchemaNm.FF_BRAND_SALES_STG A
```

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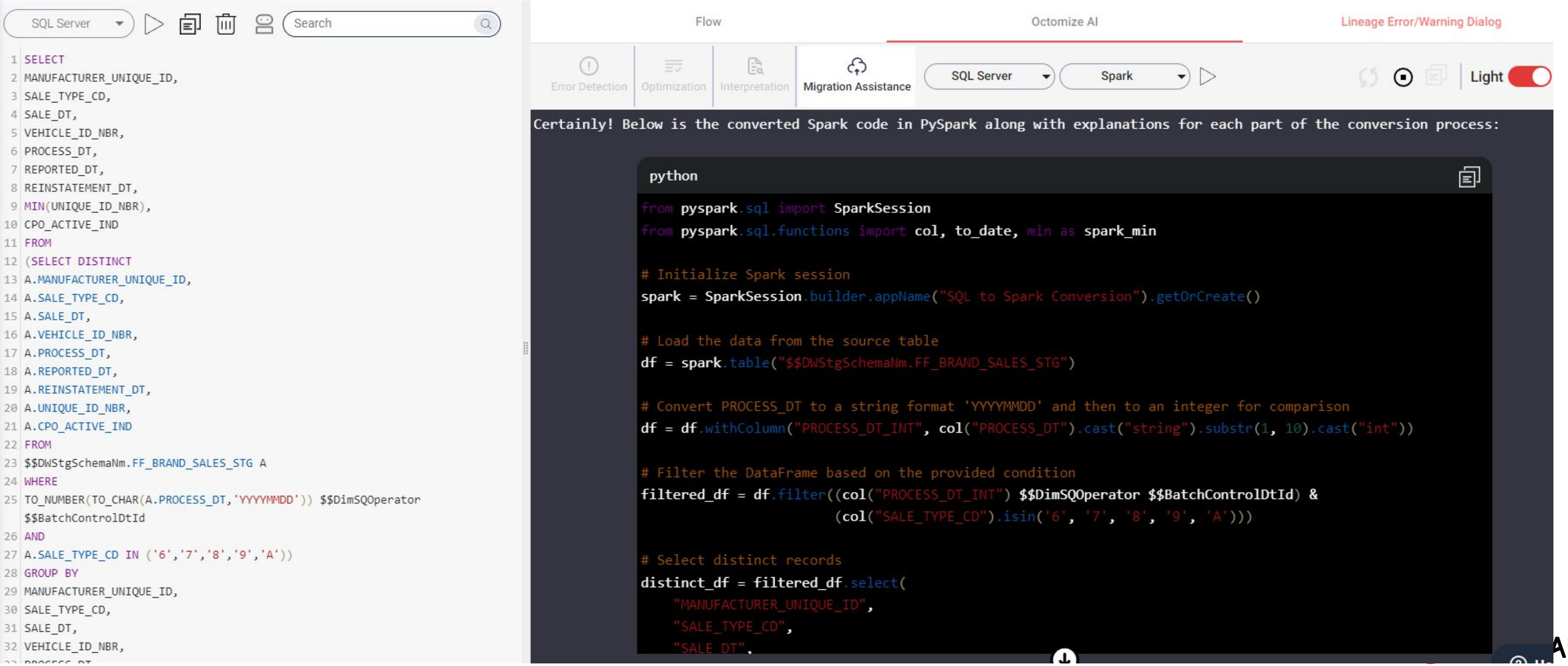
Lineage Studio – Octomize AI for Migration

- Analyze any SQL script, stored procedures, Python/JAVA/Spark scripts for automatic conversion



```sql
SELECT
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR,
PROCESS_DT,
REPORTED_DT,
REINSTATEMENT_DT,
MIN(UNIQUE_ID_NBR),
CPO_ACTIVE_IND
FROM
(SELECT DISTINCT
A.MANUFACTURER_UNIQUE_ID,
A.SALE_TYPE_CD,
A.SALE_DT,
A.VEHICLE_ID_NBR,
A.PROCESS_DT,
A.REPORTED_DT,
A.REINSTATEMENT_DT,
A.UNIQUE_ID_NBR,
A.CPO_ACTIVE_IND
FROM
$$DWStgSchemaNm.FF_BRAND_SALES_STG A
WHERE
TO_NUMBER(TO_CHAR(A.PROCESS_DT,'YYYYMMDD')) $$DimSQOperator
$$BatchControlDtId
AND
A.SALE_TYPE_CD IN ('6','7','8','9','A'))
GROUP BY
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR,
PROCESS_DT
```

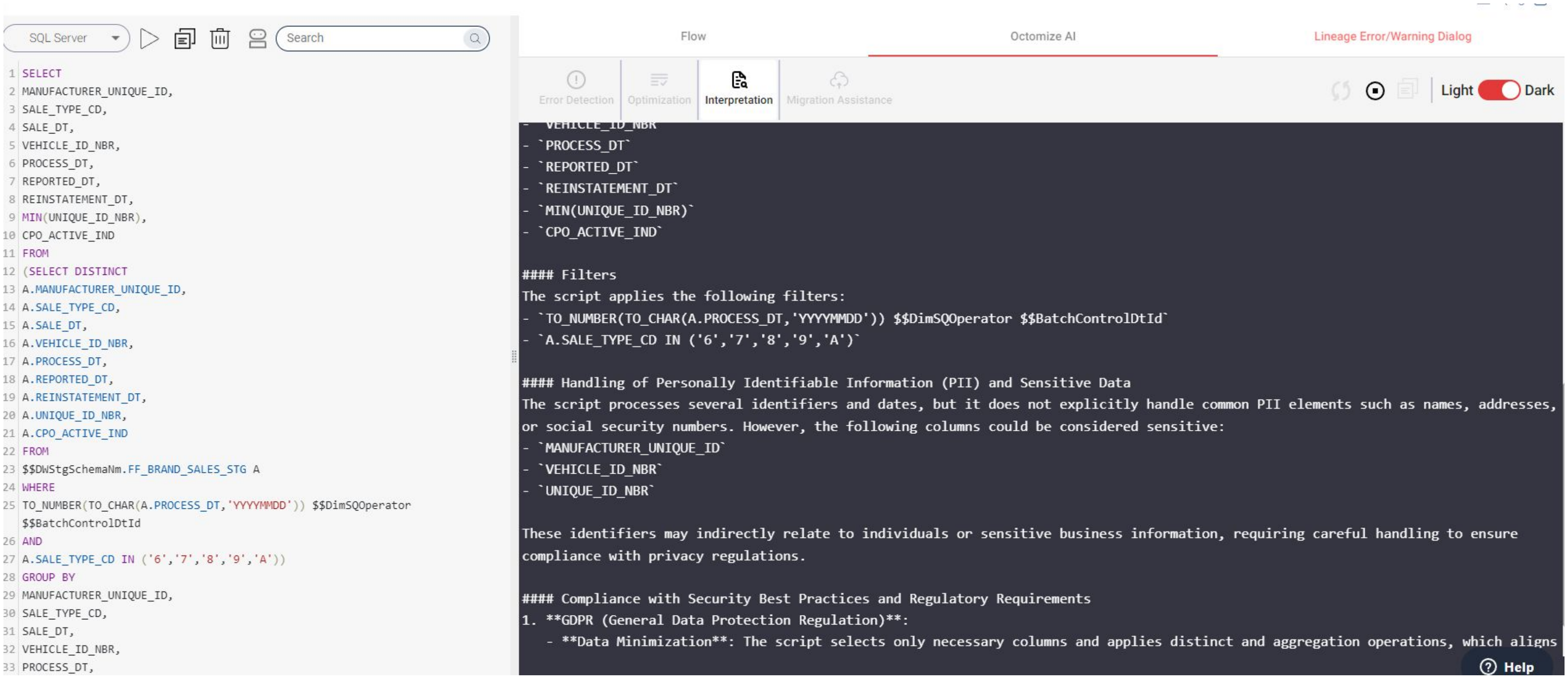
Certainly! Below is the converted Spark code in PySpark along with explanations for each part of the conversion process:

python

```python
from pyspark.sql import SparkSession
from pyspark.sql.functions import col, to_date, min as spark_min

# Initialize Spark session
spark = SparkSession.builder.appName("SQL to Spark Conversion").getOrCreate()

# Load the data from the source table
df = spark.table("$$DWStgSchemaNm.FF_BRAND_SALES_STG")

# Convert PROCESS_DT to a string format 'YYYYMMDD' and then to an integer for comparison
df = df.withColumn("PROCESS_DT_INT", col("PROCESS_DT").cast("string").substr(1, 10).cast("int"))

# Filter the DataFrame based on the provided condition
filtered_df = df.filter((col("PROCESS_DT_INT") $$DimSQOperator $$BatchControlDtId) &
                        (col("SALE_TYPE_CD").isin('6', '7', '8', '9', 'A')))

# Select distinct records
distinct_df = filtered_df.select(
    "MANUFACTURER_UNIQUE_ID",
    "SALE_TYPE_CD",
    "SALE_DT",
```

Lineage Studio – Octomize AI for Auto Documentation

- Analyze any SQL script, stored procedures, Python/JAVA/Spark scripts for automatic Technical, Business Documentation as well as Security, Compliance and Privacy Risk Assessment



```
SELECT
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR,
PROCESS_DT,
REPORTED_DT,
REINSTATEMENT_DT,
MIN(UNIQUE_ID_NBR),
CPO_ACTIVE_IND
FROM
(SELECT DISTINCT
A.MANUFACTURER_UNIQUE_ID,
A.SALE_TYPE_CD,
A.SALE_DT,
A.VEHICLE_ID_NBR,
A.PROCESS_DT,
A.REPORTED_DT,
A.REINSTATEMENT_DT,
A.UNIQUE_ID_NBR,
A.CPO_ACTIVE_IND
FROM
$$DWStgSchemaNm.FF_BRAND_SALES_STG A
WHERE
TO_NUMBER(TO_CHAR(A.PROCESS_DT,'YYYYMMDD')) $$DimSQOperator
$$BatchControlDtId
AND
A.SALE_TYPE_CD IN ('6','7','8','9','A'))
GROUP BY
MANUFACTURER_UNIQUE_ID,
SALE_TYPE_CD,
SALE_DT,
VEHICLE_ID_NBR,
PROCESS_DT,
```

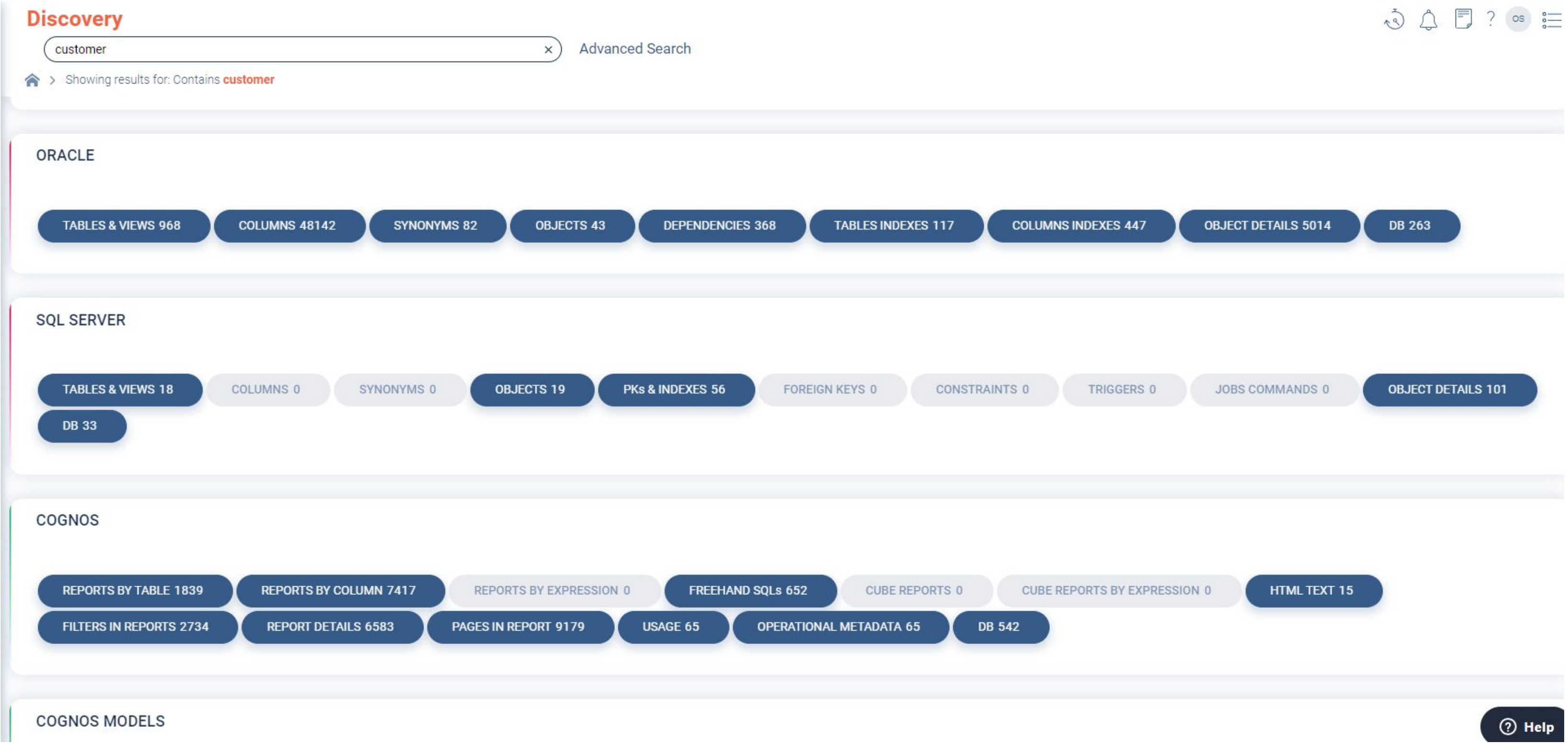
```
- `VEHICLE_ID_NBR`
- `PROCESS_DT`
- `REPORTED_DT`
- `REINSTATEMENT_DT`
- `MIN(UNIQUE_ID_NBR)`
- `CPO_ACTIVE_IND`

#### Filters
The script applies the following filters:
- `TO_NUMBER(TO_CHAR(A.PROCESS_DT,'YYYYMMDD')) $$DimSQOperator $$BatchControlDtId`
- `A.SALE_TYPE_CD IN ('6','7','8','9','A')`

#### Handling of Personally Identifiable Information (PII) and Sensitive Data
The script processes several identifiers and dates, but it does not explicitly handle common PII elements such as names, addresses,
or social security numbers. However, the following columns could be considered sensitive:
- `MANUFACTURER_UNIQUE_ID`
- `VEHICLE_ID_NBR`
- `UNIQUE_ID_NBR`

These identifiers may indirectly relate to individuals or sensitive business information, requiring careful handling to ensure
compliance with privacy regulations.

#### Compliance with Security Best Practices and Regulatory Requirements
1. **GDPR (General Data Protection Regulation)**:
   - **Data Minimization**: The script selects only necessary columns and applies distinct and aggregation operations, which aligns
```

OCTOPAI

Discovery Space

Discovery – Asset Use Across Landscape

- “Where is being used” google-like search



Discovery

customer × Advanced Search

Showing results for: Contains **customer**

ORACLE

TABLES & VIEWS 968 | COLUMNS 48142 | SYNONYMS 82 | OBJECTS 43 | DEPENDENCIES 368 | TABLES INDEXES 117 | COLUMNS INDEXES 447 | OBJECT DETAILS 5014 | DB 263

SQL SERVER

TABLES & VIEWS 18 | COLUMNS 0 | SYNONYMS 0 | OBJECTS 19 | PKs & INDEXES 56 | FOREIGN KEYS 0 | CONSTRAINTS 0 | TRIGGERS 0 | JOBS COMMANDS 0 | OBJECT DETAILS 101 | DB 33

COGNOS

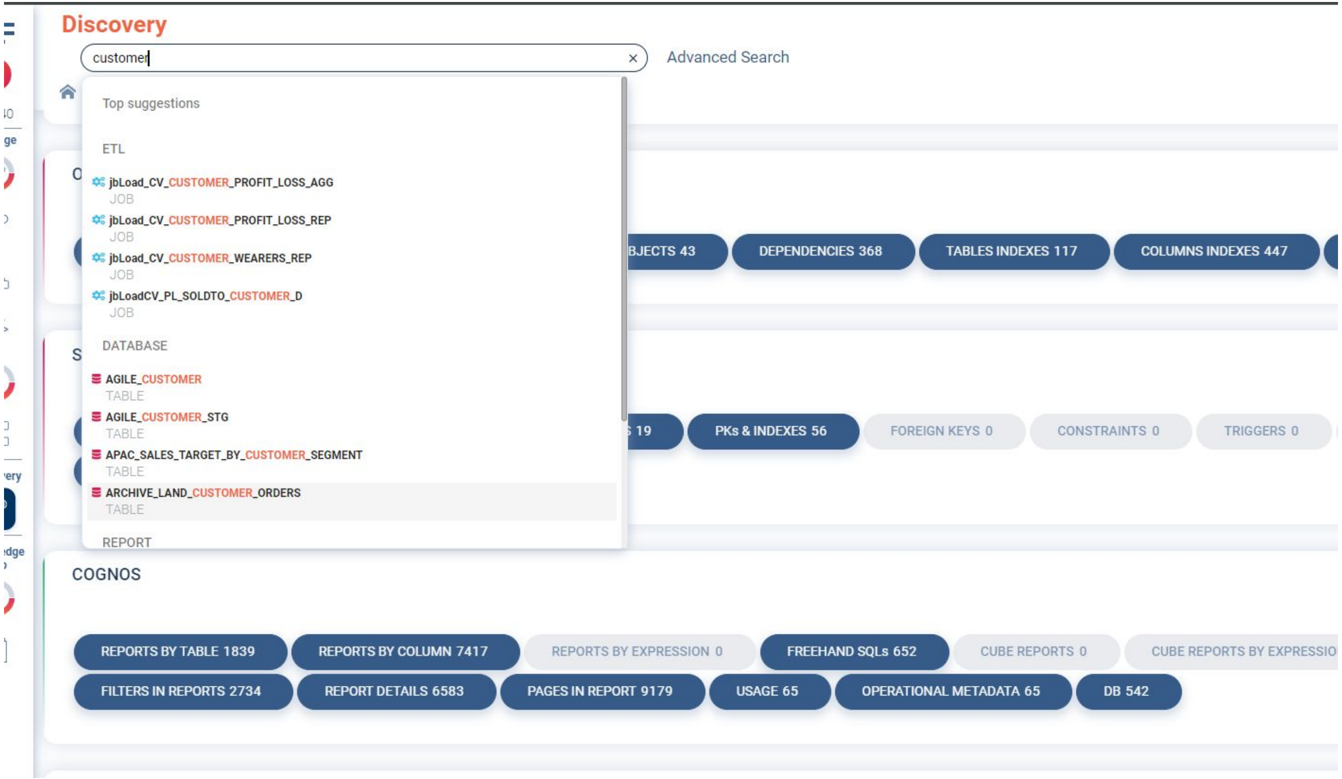
REPORTS BY TABLE 1839 | REPORTS BY COLUMN 7417 | REPORTS BY EXPRESSION 0 | FREEHAND SQLs 652 | CUBE REPORTS 0 | CUBE REPORTS BY EXPRESSION 0 | HTML TEXT 15 | FILTERS IN REPORTS 2734 | REPORT DETAILS 6583 | PAGES IN REPORT 9179 | USAGE 65 | OPERATIONAL METADATA 65 | DB 542

COGNOS MODELS

OCTOPAI

Discovery – Top Suggestions

- “Where is being used” google-like search



Discovery

customer

Advanced Search

Top suggestions

ETL

jbLoad_CV_CUSTOMER_PROFIT_LOSS_AGG
JOB

jbLoad_CV_CUSTOMER_PROFIT_LOSS_REP
JOB

jbLoad_CV_CUSTOMER_WEARERS_REP
JOB

jbLoadCV_PL_SOLDTO_CUSTOMER_D
JOB

DATABASE

AGILE_CUSTOMER
TABLE

AGILE_CUSTOMER_STG
TABLE

APAC_SALES_TARGET_BY_CUSTOMER_SEGMENT
TABLE

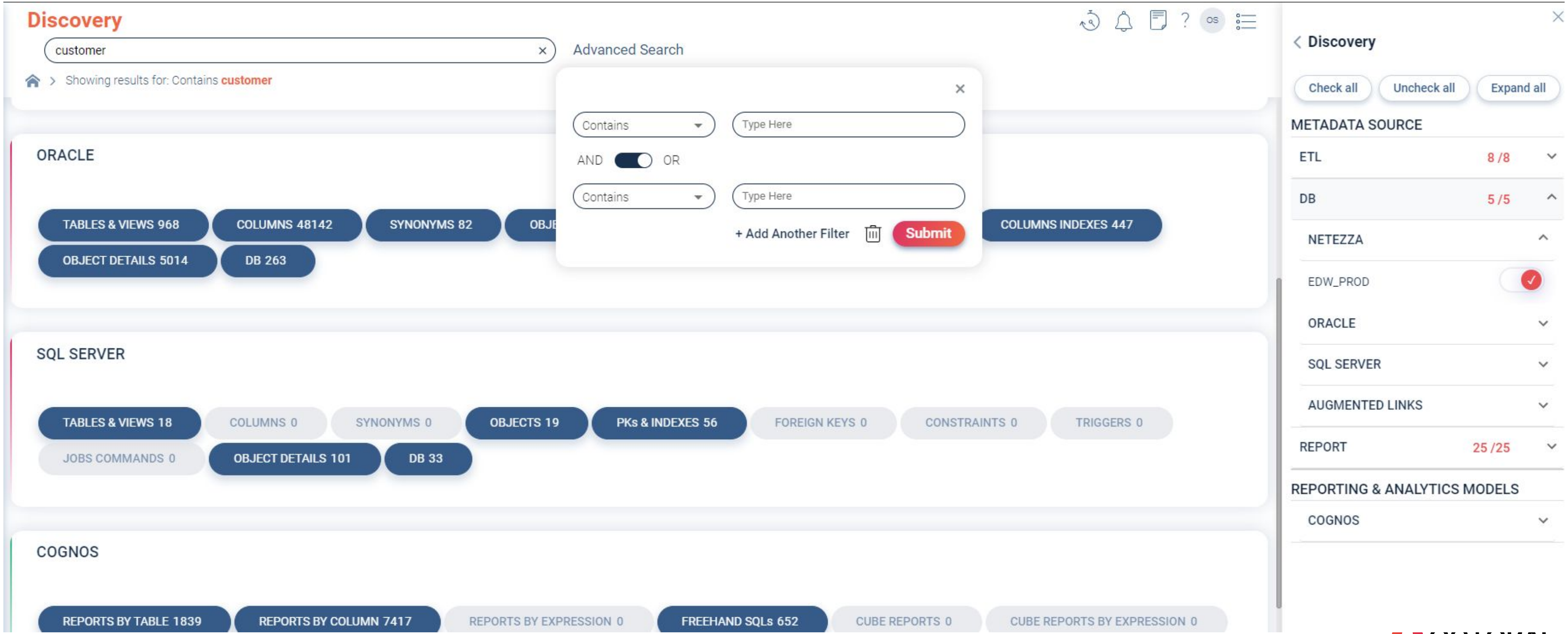
ARCHIVE_LAND_CUSTOMER_ORDERS
TABLE

REPORT

COGNOS

Discovery – Faceted Search

- “Where is being used” google-like search



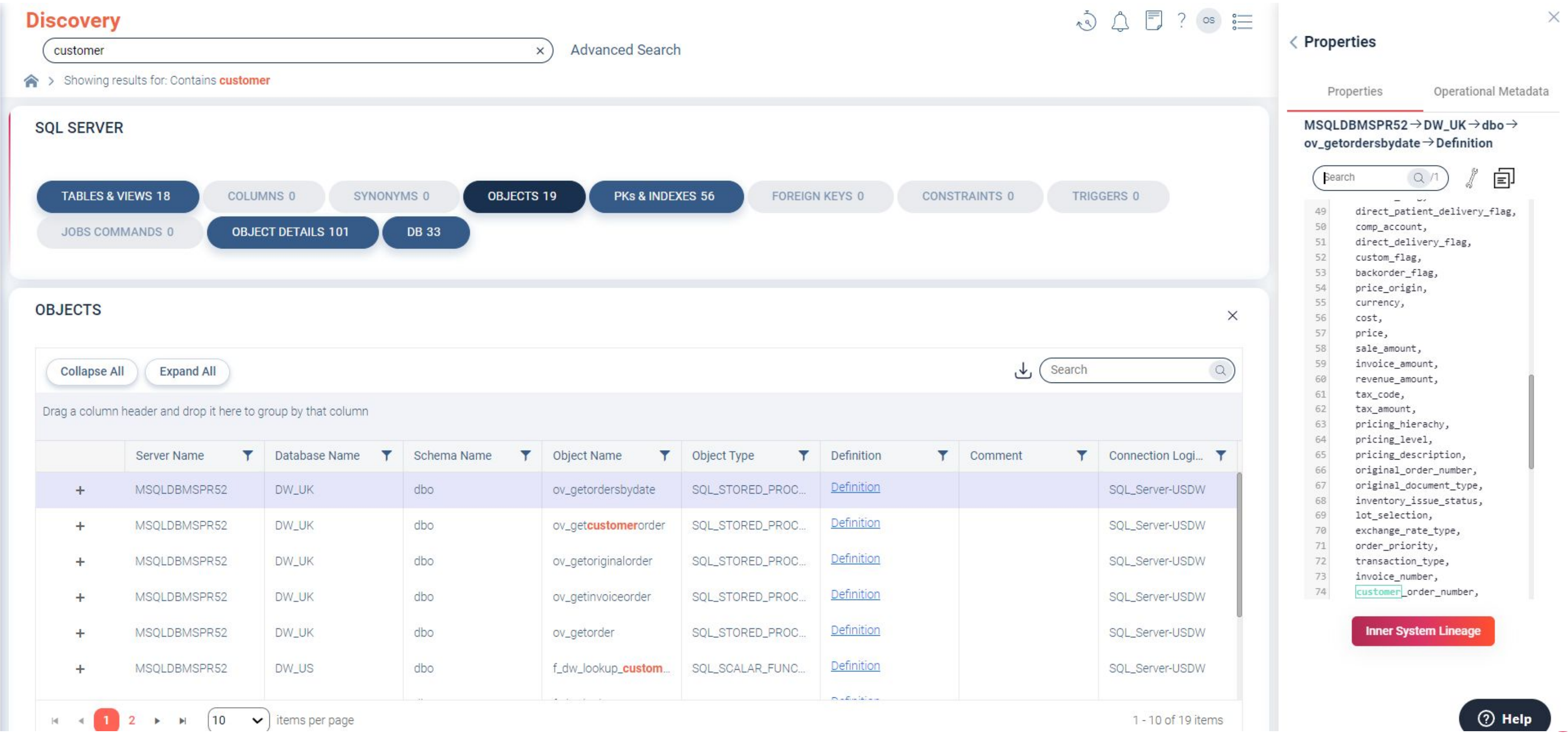
Discovery

customer

Showing results for: Contains customer

Discovery - Project Inventory

- Major changes impact analysis - navigate from Discovery to Inner-System Lineage



	Server Name	Database Name	Schema Name	Object Name	Object Type	Definition	Comment	Connection Logi...
+	MSQLDBMSPR52	DW_UK	dbo	ov_getordersbydate	SQL_STORED_PROC...	Definition		SQL_Server-USDW
+	MSQLDBMSPR52	DW_UK	dbo	ov_getcustomerorder	SQL_STORED_PROC...	Definition		SQL_Server-USDW
+	MSQLDBMSPR52	DW_UK	dbo	ov_getoriginalorder	SQL_STORED_PROC...	Definition		SQL_Server-USDW
+	MSQLDBMSPR52	DW_UK	dbo	ov_getinvoiceorder	SQL_STORED_PROC...	Definition		SQL_Server-USDW
+	MSQLDBMSPR52	DW_UK	dbo	ov_getorder	SQL_STORED_PROC...	Definition		SQL_Server-USDW
+	MSQLDBMSPR52	DW_US	dbo	f_dw_lookup_custom...	SQL_SCALAR_FUNC...	Definition		SQL_Server-USDW

MSQLDBMSPR52→DW_UK→dbo→ov_getordersbydate→Definition

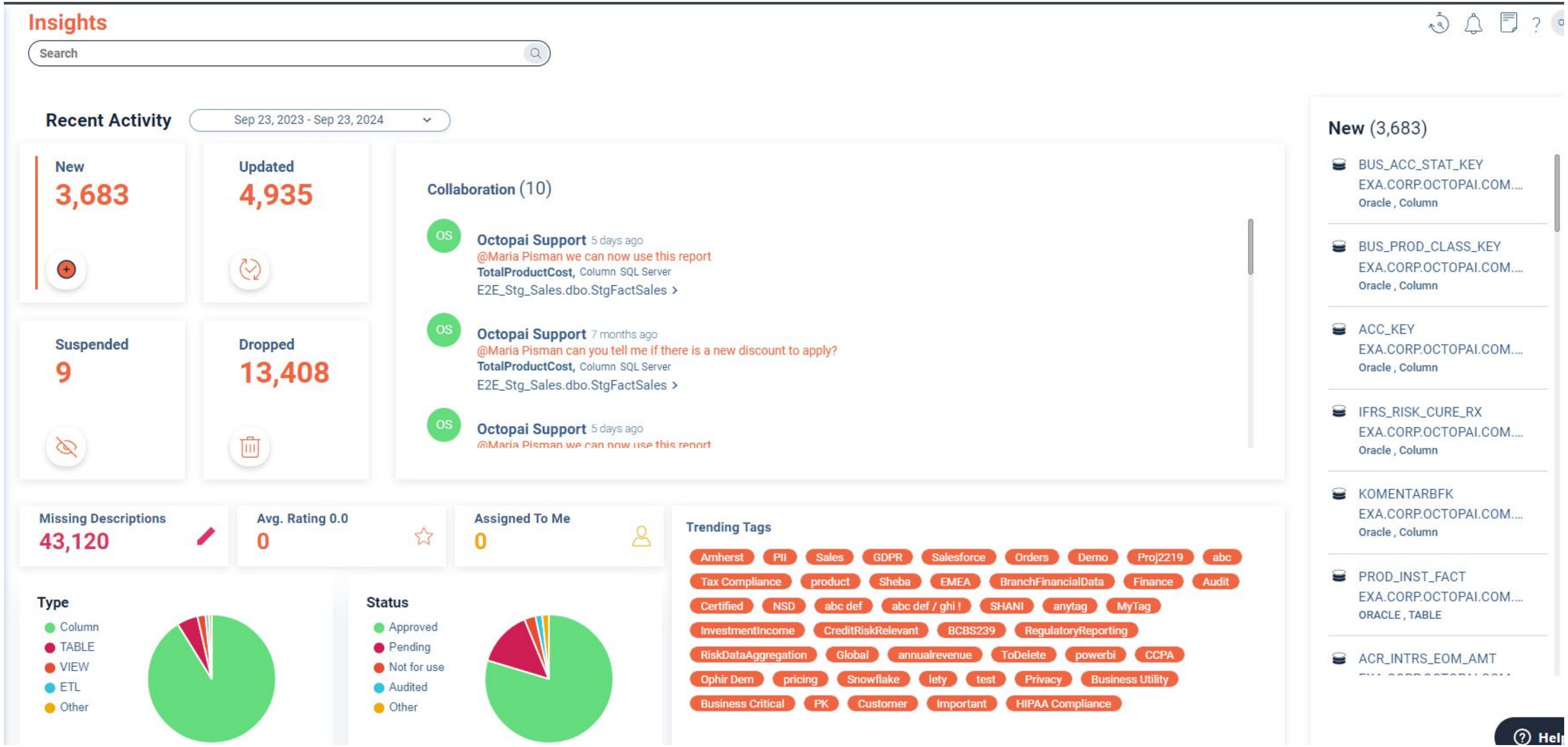
```
    direct_patient_delivery_flag,
    comp_account,
    direct_delivery_flag,
    custom_flag,
    backorder_flag,
    price_origin,
    currency,
    cost,
    price,
    sale_amount,
    invoice_amount,
    revenue_amount,
    tax_code,
    tax_amount,
    pricing_hierachy,
    pricing_level,
    pricing_description,
    original_order_number,
    original_document_type,
    inventory_issue_status,
    lot_selection,
    exchange_rate_type,
    order_priority,
    transaction_type,
    invoice_number,
    customer_order_number,
```

Knowledge Hub Catalog Space

OCTOPAI

Data Catalog Insights Dashboard

● Collaboration dashboard and high-level overview of managed assets



Insights

Search

Recent Activity Sep 23, 2023 - Sep 23, 2024

New	Updated
3,683	4,935

Suspended	Dropped
9	13,408

Collaboration (10)

OS **Octopai Support** 5 days ago
@Maria Pisman we can now use this report
TotalProductCost, Column SQL Server
E2E_Stg_Sales.dbo.StgFactSales >

OS **Octopai Support** 7 months ago
@Maria Pisman can you tell me if there is a new discount to apply?
TotalProductCost, Column SQL Server
E2E_Stg_Sales.dbo.StgFactSales >

OS **Octopai Support** 5 days ago
@Maria Pisman we can now use this report

Missing Descriptions	Avg. Rating 0.0	Assigned To Me
43,120	0	0

Type
- Column
- TABLE
- VIEW
- ETL
- Other

Status
- Approved
- Pending
- Not for use
- Audited
- Other

Trending Tags

Amherst, PII, Sales, GDPR, Salesforce, Orders, Demo, Proj2219, abc, Tax Compliance, product, Sheba, EMEA, BranchFinancialData, Finance, Audit, Certified, NSD, abc def, abc def / ghi !, SHANI, anytag, MyTag, InvestmentIncome, CreditRiskRelevant, BCBS239, RegulatoryReporting, RiskDataAggregation, Global, annualrevenue, ToDelete, powerbi, CCPA, Ophir Dem, pricing, Snowflake, lety, test, Privacy, Business Utility, Business Critical, PK, Customer, Important, HIPAA Compliance

New (3,683)

BUS_ACC_STAT_KEY
EXA.CORP.OCTOPAI.COM....
Oracle , Column

BUS_PROD_CLASS_KEY
EXA.CORP.OCTOPAI.COM....
Oracle , Column

ACC_KEY
EXA.CORP.OCTOPAI.COM....
Oracle , Column

IFRS_RISK_CURE_RX
EXA.CORP.OCTOPAI.COM....
Oracle , Column

KOMENTARBFK
EXA.CORP.OCTOPAI.COM....
Oracle , Column

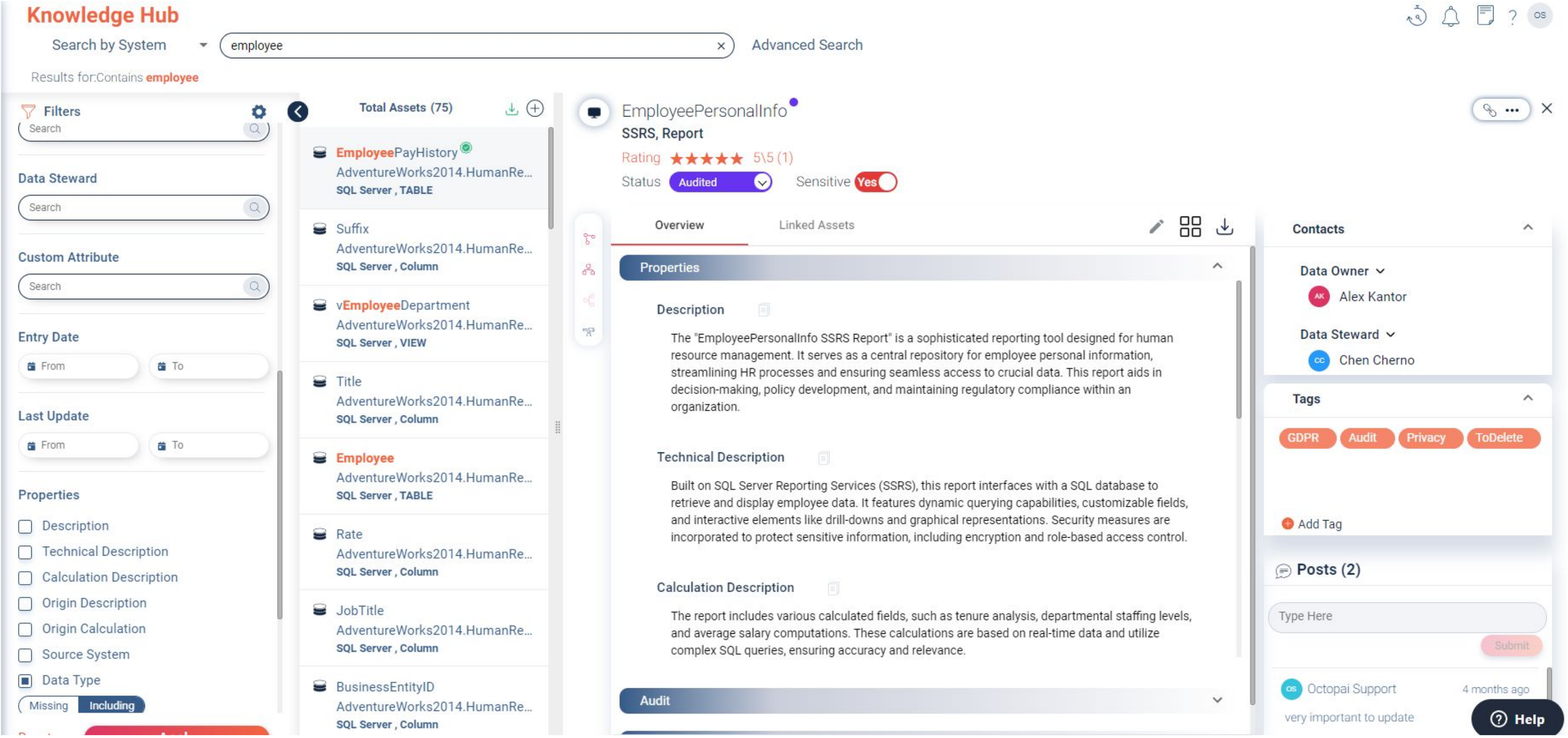
PROD_INST_FACT
EXA.CORP.OCTOPAI.COM....
ORACLE , TABLE

ACR_INTRS_EOM_AMT

OCTOPAI

Knowledge Hub Catalog - Automatic Data Catalog

- Automatically populated by Octopai Data Lineage engine, with Mass-Import/Update capabilities, highly customizable, fit for both Business Data Consumers and Data Tech Teams collaboration



Search: employee

Results for:Contains **employee**

Filters

Data Steward: Search

Custom Attribute: Search

Entry Date: From / To

Last Update: From / To

Properties

- ☐ Description
- ☐ Technical Description
- ☐ Calculation Description
- ☐ Origin Description
- ☐ Origin Calculation
- ☐ Source System
- ☑ Data Type

Missing | **Including**

Total Assets (75)

Asset	Path	Type
EmployeePayHistory	AdventureWorks2014.HumanRe...	SQL Server , TABLE
Suffix	AdventureWorks2014.HumanRe...	SQL Server , Column
vEmployeeDepartment	AdventureWorks2014.HumanRe...	SQL Server , VIEW
Title	AdventureWorks2014.HumanRe...	SQL Server , Column
Employee	AdventureWorks2014.HumanRe...	SQL Server , TABLE
Rate	AdventureWorks2014.HumanRe...	SQL Server , Column
JobTitle	AdventureWorks2014.HumanRe...	SQL Server , Column
BusinessEntityID	AdventureWorks2014.HumanRe...	SQL Server , Column

EmployeePersonalInfo

SSRS, Report

Rating ★★★★★ 5\5 (1)

Status: Audited

Sensitive: Yes

Overview | Linked Assets

Properties

Description

The "EmployeePersonalInfo SSRS Report" is a sophisticated reporting tool designed for human resource management. It serves as a central repository for employee personal information, streamlining HR processes and ensuring seamless access to crucial data. This report aids in decision-making, policy development, and maintaining regulatory compliance within an organization.

Technical Description

Built on SQL Server Reporting Services (SSRS), this report interfaces with a SQL database to retrieve and display employee data. It features dynamic querying capabilities, customizable fields, and interactive elements like drill-downs and graphical representations. Security measures are incorporated to protect sensitive information, including encryption and role-based access control.

Calculation Description

The report includes various calculated fields, such as tenure analysis, departmental staffing levels, and average salary computations. These calculations are based on real-time data and utilize complex SQL queries, ensuring accuracy and relevance.

Audit

Contacts

Data Owner: Alex Kantor

Data Steward: Chen Cherno

Tags

GDPR | Audit | Privacy | ToDelete

Add Tag

Posts (2)

Type Here

Submit

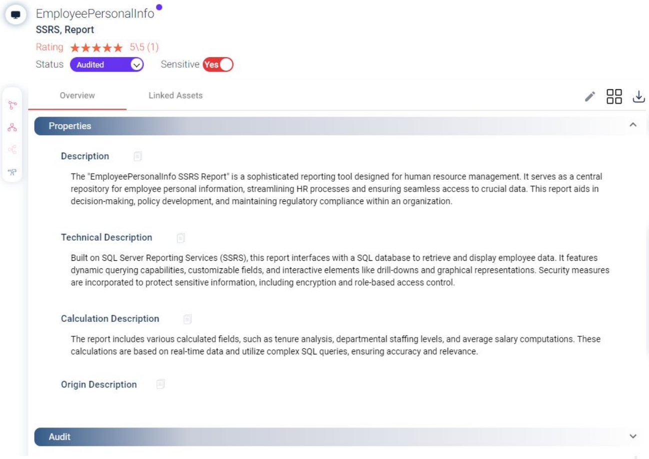
Octopai Support — 4 months ago

very important to update

OCTOPAI

Knowledge Hub Catalog - Asset Management

- Automated link population, with the ability of manual link augmentation, up-to 50 custom attributes and in-asset collaboration among Data Owner and Data Steward



EmployeePersonalInfo

SSRS, Report

Rating ★★★★★ 5\5 (1)

Status Audited Sensitive Yes

Properties

Description

The "EmployeePersonalInfo SSRS Report" is a sophisticated reporting tool designed for human resource management. It serves as a central repository for employee personal information, streamlining HR processes and ensuring seamless access to crucial data. This report aids in decision-making, policy development, and maintaining regulatory compliance within an organization.

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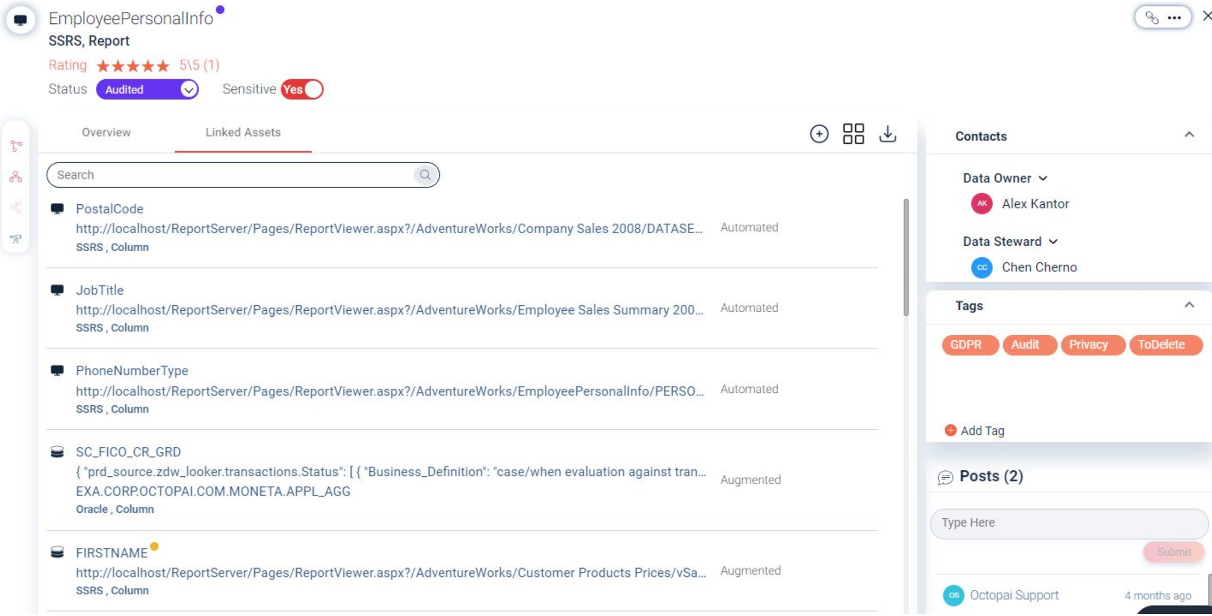
Calculation Description

The report includes various calculated fields, such as tenure analysis, departmental staffing levels, and average salary computations. These calculations are based on real-time data and utilize complex SQL queries, ensuring accuracy and relevance.

Origin Description

Audit



EmployeePersonalInfo

SSRS, Report

Rating ★★★★★ 5\5 (1)

Status Audited Sensitive Yes

PostalCode
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/Company Sales 2008/DATASE... Automated
SSRS , Column

JobTitle
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/Employee Sales Summary 200... Automated
SSRS , Column

PhoneNumberType
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/EmployeePersonalInfo/PERSO... Automated
SSRS , Column

SC_FICO_CR_GRD
{ "prd_source.zdw_looker.transactions.Status": [{ "Business_Definition": "case/when evaluation against tran... Augmented
EXA.CORP.OCTOPAI.COM.MONETA.APPL_AGG
Oracle , Column

FIRSTNAME
http://localhost/ReportServer/Pages/ReportViewer.aspx?/AdventureWorks/Customer Products Prices/vSa... Augmented
SSRS , Column

Contacts

Data Owner
AK Alex Kantor

Data Steward
CC Chen Cherno

Tags

GDPR Audit Privacy ToDelete

Add Tag

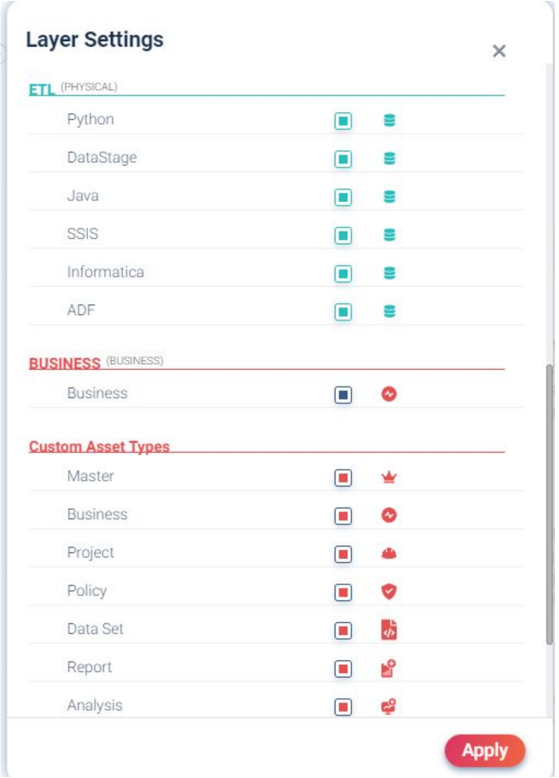
Posts (2)

OS Octopai Support 4 months ago

OCTOPAI

Knowledge Hub Catalog – Asset Faceted Discovery

- Multiple facets/filters to serve different roles and projects as well as governance processes



Layer Settings ×

ETL (PHYSICAL)

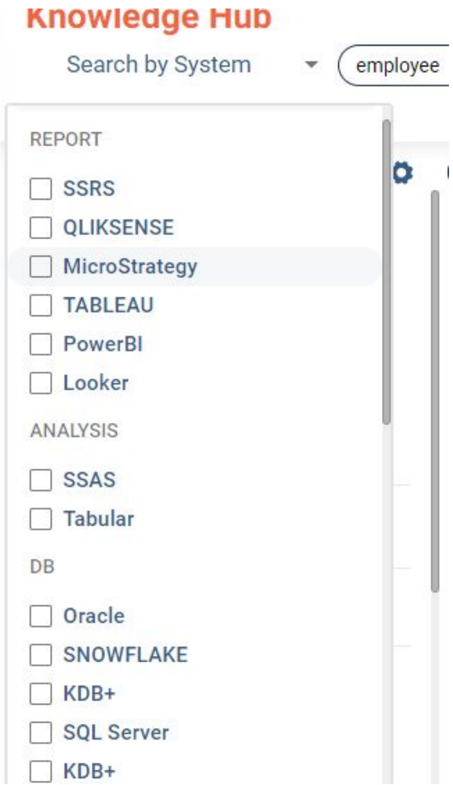
Python	☑
DataStage	☑
Java	☑
SSIS	☑
Informatica	☑
ADF	☑

BUSINESS (BUSINESS)

Business	☑

Custom Asset Types

Master	☑
Business	☑
Project	☑
Policy	☑
Data Set	☑
Report	☑
Analysis	☑



Knowledge Hub

Search by System ▾ employee

REPORT

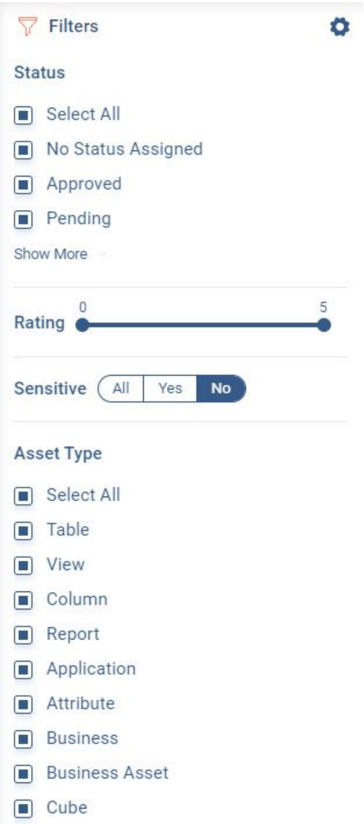
- □ SSRS
- □ QLIKSENSE
- □ MicroStrategy
- □ TABLEAU
- □ PowerBI
- □ Looker

ANALYSIS

- □ SSAS
- □ Tabular

DB

- □ Oracle
- □ SNOWFLAKE
- □ KDB+
- □ SQL Server
- □ KDB+



Filters

Status

- ☑ Select All
- ☑ No Status Assigned
- ☑ Approved
- ☑ Pending

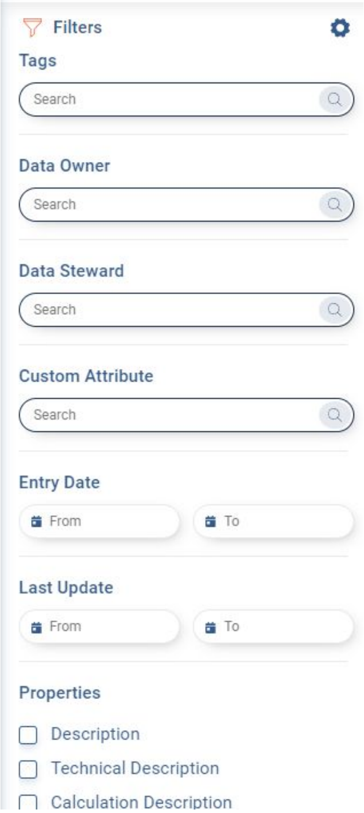
Show More

Rating 0 – 5

Sensitive: All | Yes | [✓ No]

Asset Type

- ☑ Select All
- ☑ Table
- ☑ View
- ☑ Column
- ☑ Report
- ☑ Application
- ☑ Attribute
- ☑ Business
- ☑ Business Asset
- ☑ Cube



Filters

Tags: Search

Data Owner: Search

Data Steward: Search

Custom Attribute: Search

Entry Date: From To

Last Update: From To

Properties

- □ Description
- □ Technical Description
- □ Calculation Description

OCTOPAI

Thank You!

Contact Us: 🌐 in G2 ✉

OCTOPAI