

Nexus Discovery AI - Technical Architecture Report

1. Executive Summary

Infrastructure Status: PROCESSING

Total Assets Discovered: 97

Total Dependencies Mapped: 36

Packages Identified: 29

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2. Asset Inventory Analysis

The following distribution represents the diversity of technical assets identified within the provided source code and metadata.

Asset Type	Count
TABLE	27
COMPONENT_Source	13
unknown	1
COMPONENT_Transformation	24
COMPONENT_Target	20
table	1
PROCESS	4
COMPONENT_Lookup	4
COMPONENT_Join	1
COMPONENT_Derived Column	2

3. Dependency & Flow Analysis

Analysis of the relationships between assets reveals the internal data flow and service dependencies.

Relationship Type	Count
READS_FROM	26
WRITES_TO	10

4. Discovered Packages (SSIS/DataStage)

- 01_create_database.sql (SQL)
- 05_dim_date.sql (SQL)
- Create Metadata Table (SQL)
- lookup_country_generation.sql (SQL)
- Operation_check_on_dim_customer (SQL)
- Operation_check_on_dim_product (SQL)
- ssis_fact_sales_full_load_sales_order_details (SQL)
- ssis_fact_sales_incremental_load_sales_order_details.sql (SQL)
- ETL_Dim_Territory (SSIS)
- Fact_Sales_Full_Load (SSIS)
- ETL_Dim_Customer.dtsx (SSIS)
- ETL_Dim_Territory (SSIS)
- Fact_Sales_Full_Load (SSIS)
- SalesDataMart (SSIS)
- 02_dim_product.sql (SQL)
- 04_dim_territory.sql (SQL)
- ETL_Dim_Customer.dtsx (SSIS)
- ETL_Dim_Date.dtsx (SSIS)
- Fact_Sales_Incremental_Load (SSIS)
- Fact_Sales_Full_Load (SSIS)

5. Analysis Performance & Cost

Execution Status:	completed
Estimated AI Cost:	\$0.0016 USD
Total Tokens Processed:	32346