Nexus Discovery AI - Technical Architecture Report

1. Executive Summary

Infrastructure Status: PROCESSING

Total Assets Discovered: 127

Total Dependencies Mapped: 49

Packages Identified: 9

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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
COMPONENT_Target	22
COMPONENT_Stored Procedure	2
unknown	18
PROCESS	1
TABLE	31
Source System	1
Staging Area	1
Data Warehouse	1
Source	4
Process	10
table	2
SSIS Task	2

COMPONENT_Source	3
Database Table	1
database	1
COMPONENT_SQL Task	1
COMPONENT_OLE DB Source	2
COMPONENT_OLE D B Source	2
SSIS Task Editor	1
Data Flow Task	9
Sort Transformation	2
Aggregate Transformation	1
Merge Join Transformation	1
Derived Column Transformation	1
COMPONENT_Data Flow Task	1
COMPONENT_ExecuteSQLTask	1
Transformation	5

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	23

4. Discovered Packages (SSIS/DataStage)

- AVW_datawarehouse_createDatabase.sql (SQL)

- AVW_datawarehouse_truncate (SQL)

- AVW_staging_createDatabase.sql (SQL)

- ETL_firsttime (SSIS)

- ETL_nexttime (SSIS)

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- AVW_datawarehouse_drop&createTable (SQL)

- AVW_staging_truncateDim&Fact.sql (SQL)

- ETL_nexttime (SSIS)

5. Analysis Performance & Cost

Execution Status: completed

Estimated AI Cost: $0.0057 USD

Total Tokens Processed: 114389