

Time Solution Book Tutorial

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Page 233 – Create SQL Server Metadata

This section describes how to load SQL Server and Kyvos metadata into the Time Solution environment and publish it to the Neo4j Data Catalog.

Step 1: Import Kyvos Metadata into SQL Server

1. Ensure that the CSV file `kyvos_trial_cluster.csv` is located in the `demo_output` directory.
2. Use SQL Server Management Studio (SSMS) to import the file into the table `[TimeSolution].[STAGE].[kyvos_trial_cluster]`:
 - Right-click the database → Tasks → Import Flat File...
 - Select the `kyvos_trial_cluster.csv` file.
 - Set the destination table as `STAGE.kyvos_trial_cluster`.
 - Follow the wizard to complete the import.

Step 2: Run SQL Server Metadata Extraction Script

1. Open `sql_server_entire_server_data_catalog.sql` in SSMS.
2. Execute the script against your local SQL Server instance.
3. After the result grid is populated:
 - Right-click the grid → "Copy with Headers"
 - Paste the results into a CSV file named **`sql_server_entire_server_data_catalog.csv`**
 - Open the CSV in a text editor and **replace all occurrences of the word NULL** (as a string) with a blank value.
 - Save the file as: **`sql_server_entire_server_data_catalog.csv`**

Step 3: Move Metadata to Neo4j Import Directory

1. Move or copy **`sql_server_entire_server_data_catalog.csv`** into the Neo4j database import directory.
 - Example path:
`C:/Databases/Neo4j/relate-data/dbmss/dbms-xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxx/import/`
 - (You can find the correct folder in Neo4j Desktop: open your database → click the three dots → "Open Folder" → navigate to `import/`.)

Step 4: Load Metadata into Neo4j

1. Make sure your Neo4j instance is running, and that it is using the **TimeMolecules** database.
2. Open Neo4j Browser (`bolt://localhost:7687`).
3. Open the file `load_data_catalog_into_neo4j.cql` in VS Code.
4. Copy and paste the contents into the Neo4j Browser.
5. Execute the code to load the data catalog into Neo4j.