

Rationalisation Model

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# Summary of the analysis performed

This document contains the results of the rationalisation model for the RABO with scope being TSQL. The goal of this analysis is to uncover the complexity within the system in-scope and provide useful insights of its functionalities.

## Overview of the processed calculation views

|  |  |  |  |
| --- | --- | --- | --- |
| Calculation view | Number of nodes | Number of transformations | Number of filters |
| CUSTOMER\_BANK\_DETAILS | 10 | 3 | 0 |
| CUSTOMER\_ORDER | 13 | 6 | 0 |
| CUSTOMER\_SUBSCRIPTION\_DETAILS | 9 | 4 | 0 |
| INVESTOR\_OVERVIEW | 12 | 7 | 0 |
| VENDOR\_PERFORMANCE\_ANALYSIS | 12 | 4 | 0 |

<Placeholder for manual input>

## Top 5 most used data sources

|  |  |
| --- | --- |
| Data source | Occurrences |
| payments | 3 |
| customers | 3 |
| products | 2 |
| categories | 2 |
| orders | 1 |

<Placeholder for manual input>

## Top 5 most common transformations

|  |  |
| --- | --- |
| Transformation | Occurrences |
| TYPE\_CONVERSION | 10 |

<Placeholder for manual input>

# Key observations in the calculation views

This section zooms in on the critical observations derived from the analysis, with a specific emphasis on calculation views featuring intricate transformations. Moreover, it sheds light on the utilization of stacked calculation views, where one calculation view serves as input for another. Lastly, it provides similarities between various calculation views, aiding in rationalization efforts.

## Top 5 most complex calculation views

|  |  |  |
| --- | --- | --- |
| Calculation view | Transformation count | Summation complexity Score |
| INVESTOR\_OVERVIEW | 7 | 9 |
| CUSTOMER\_ORDER | 6 | 6 |
| CUSTOMER\_SUBSCRIPTION\_DETAILS | 4 | 6 |
| VENDOR\_PERFORMANCE\_ANALYSIS | 4 | 6 |
| CUSTOMER\_BANK\_DETAILS | 3 | 3 |

<Placeholder for manual input>

## Most complex transformation per calculation view

|  |  |  |  |
| --- | --- | --- | --- |
| Calculation view | Node | Transformation | Complexity Score |
| CUSTOMER\_BANK\_DETAILS | json\_data1@subquery1\_2 | TYPE\_CONVERSION(total\_interest) | 3 |
| CUSTOMER\_ORDER | json\_data0@subquery1\_4 | TYPE\_CONVERSION(avg\_rating) | 3 |
| CUSTOMER\_SUBSCRIPTION\_DETAILS | json\_data3@subquery1\_1 | TYPE\_CONVERSION(total\_spent) | 3 |
| INVESTOR\_OVERVIEW | json\_data2@subquery1\_2 | TYPE\_CONVERSION(total\_dividends) | 3 |
| VENDOR\_PERFORMANCE\_ANALYSIS | json\_data4@subquery1\_3 | TYPE\_CONVERSION(avg\_rating) | 3 |

<Placeholder for manual input>

## Top 5 most complex transformations in the analysed calculation views

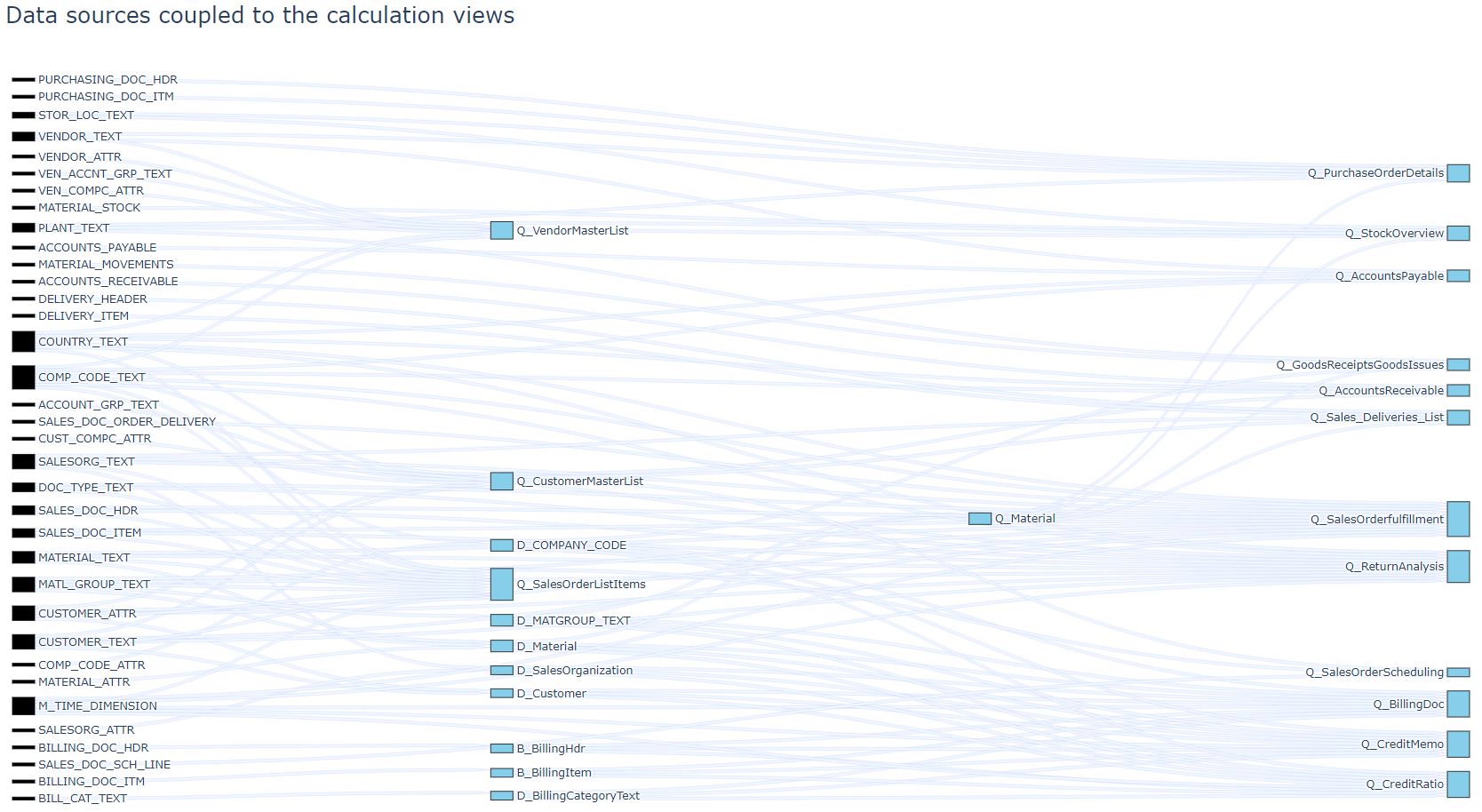
|  |  |  |  |
| --- | --- | --- | --- |
| Calculation view | Node | Transformation | Complexity Score |
| CUSTOMER\_SUBSCRIPTION\_DETAILS | json\_data3@subquery1\_3 | TYPE\_CONVERSION(avg\_rating) | 3 |
| CUSTOMER\_ORDER | json\_data0@subquery1\_4 | TYPE\_CONVERSION(avg\_rating) | 3 |
| VENDOR\_PERFORMANCE\_ANALYSIS | json\_data4@subquery1\_3 | TYPE\_CONVERSION(avg\_rating) | 3 |
| INVESTOR\_OVERVIEW | json\_data2@subquery1\_4 | TYPE\_CONVERSION(total\_value) | 3 |
| INVESTOR\_OVERVIEW | json\_data2@subquery1\_3 | TYPE\_CONVERSION(avg\_performance) | 3 |

<Placeholder for manual input>

## Stacked calculation views

|  |  |
| --- | --- |
| Calculation view | Input calculation view |
| CUSTOMER\_BANK\_DETAILS | CUSTOMER\_BANK\_DETAILS |
| CUSTOMER\_ORDER | CUSTOMER\_ORDER |
| CUSTOMER\_SUBSCRIPTION\_DETAILS | CUSTOMER\_SUBSCRIPTION\_DETAILS |
| INVESTOR\_OVERVIEW | INVESTOR\_OVERVIEW |
| VENDOR\_PERFORMANCE\_ANALYSIS | VENDOR\_PERFORMANCE\_ANALYSIS |

<Placeholder for manual input>



### Legend:

|  |  |
| --- | --- |
|  | - Data source |
|  |  |
|  | - Calculation view |
|  |  |

# Detailed analysis of the Q\_AccountsPayable calculation view

In this section, we dissect the Q\_AccountsPayable calculation view, examining its components in detail. We highlight and analyze all the transformations and data sources incorporated within this calculation view. Furthermore, we provide a snapshot of the complete technical lineage, showcasing joins, filters, and transformations to offer a comprehensive understanding of its functionality and structure.

## Detailed data source usage Q\_AccountsPayable calculation view

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Calculation view | Data source | Columns used | Columns in source | Percentage columns used |

<Placeholder for manual input>

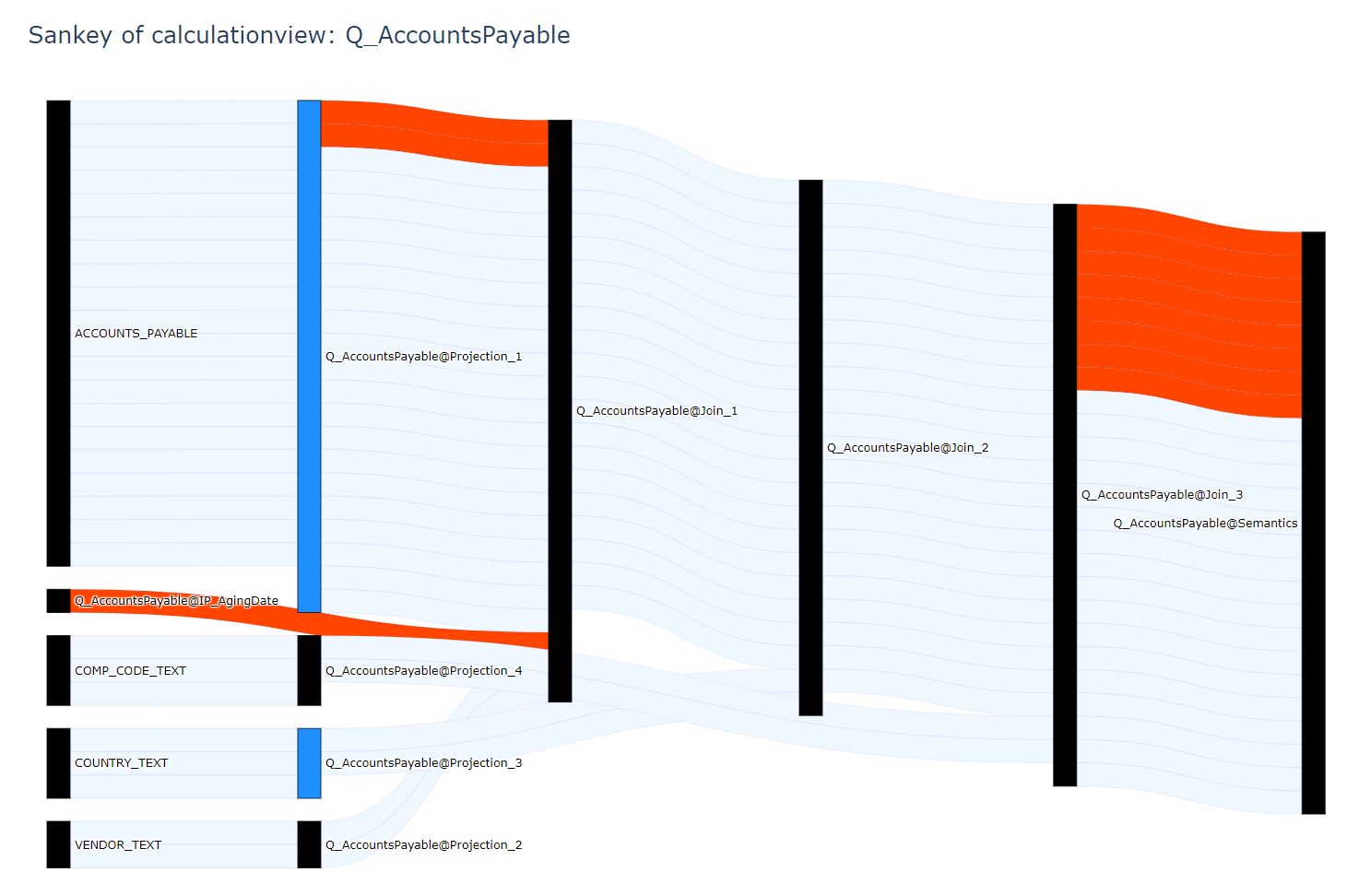
## Transformations in the Q\_AccountsPayable calculation view

|  |  |
| --- | --- |
| Transformation | Occurrences |
| COMPARE | 1 |
| CONCAT | 12 |
| CONVERT | 1 |
| DATETIME\_DIFF | 2 |
| DATETIME\_INTERVAL | 1 |
| IFTHENELSE | 1 |
| INT | 4 |

<Placeholder for manual input>

# Sankey Diagrams

This section contains the Q\_AccountsPayable calculation view in a Sankey Diagram, giving you insights into the overall calculation view and the transformations as well as model-identified focus points of the view.



### Legend:

|  |  |
| --- | --- |
|  | - Transformation |
|  |  |
|  | - Data transmission |
|  |  |
|  | - Filter |
|  |  |
|  | - Node |
|  |  |