

DE & A – BATCH 246 RLL PROJECT

Sales Data Transformation

PRESENTED BY : NAVEEN S
EMP ID : **2620299**

DATE : **06/02/2025**

SCENARIO

❖ Aggregate daily sales data to monthly summaries for reporting

Input :

Sale ID	Date	Region	Product ID	Amount
1	2024-01-01	East	101	200
2	2024-01-02	East	102	300
3	2024-01-03	West	101	400

Output :

Month	Region	TotalSales
2024-01	East	500
2024-01	West	400

Files :

sales_east.csv
sales_west.csv
sales_north.csv

Activities

- ❖ Read daily sales data from multiple regions.
- ❖ Standardize the format (e.g., ensure date formats are consistent).
- ❖ Aggregate sales to monthly totals by region.

Talend Components :

❖ tFileInputDelimited

❖ tUnite

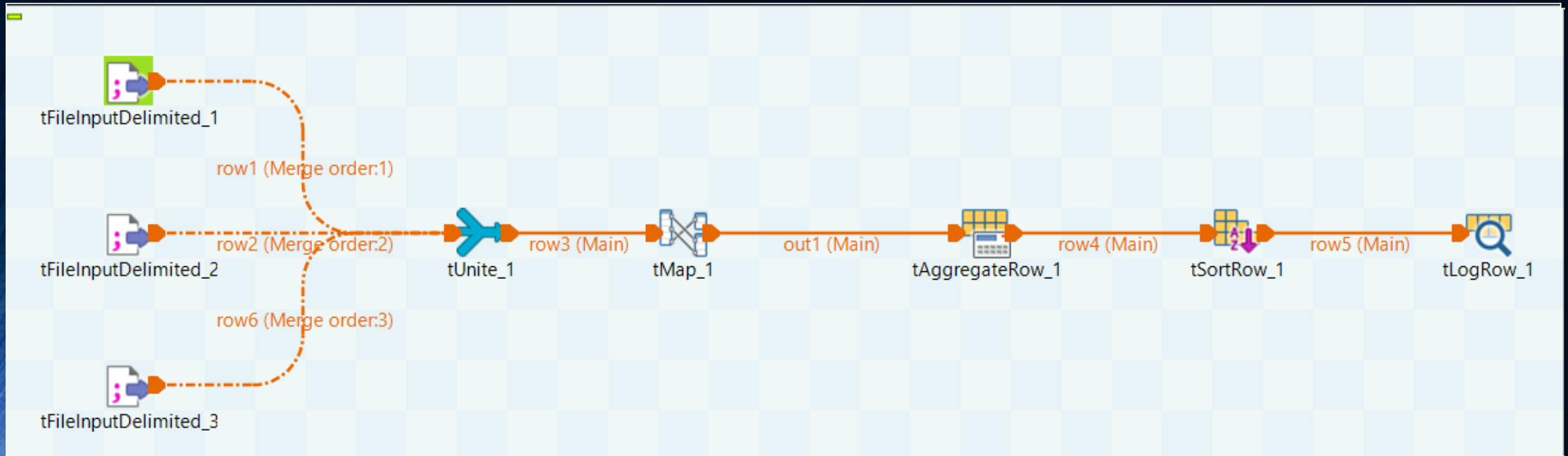
❖ tMap

❖ tAggregateRow

❖ tSortRow

❖ tLogRow

Talend Pipeline :



Output :

Date	Region	Amount
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2024-01	East	497.63
2024-02	East	892.46
2024-05	East	542.47
2024-07	East	621.72
2024-08	East	688.82
2024-09	East	496.22
2024-10	East	747.73
2024-11	East	1649.97
2024-12	East	1478.67
2024-01	North	2179.53
2024-02	North	888.71
2024-03	North	1220.7
2024-04	North	1287.94
2024-05	North	1080.5
2024-06	North	432.96
2024-07	North	622.79
2024-08	North	243.85
2024-09	North	1011.37
2024-10	North	828.11
2024-11	North	338.67
2024-12	North	1770.96
2024-01	West	507.64
2024-02	West	304.5
2024-03	West	815.05
2024-04	West	988.08
2024-05	West	411.79
2024-06	West	1096.37
2024-07	West	916.12
2024-08	West	538.94
2024-09	West	1064.38
2024-11	West	281.71
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Thank you

Naveen S
naveen.s8@mphasis.com