Montagu

Understand the ask:
- Summarise the performance of Fund Two
- Compare returns vs other investor
- Make trend analysis of MOM since the initial investment.
- Check for post-hoc adjustments

Key Terms / Definitions:
- Medallion architecture : use bronze > silver > gold.
- Multiple on Money: definition given in PDF
- 'Performance' of fund, how to define this?
- Define a time period for reporting, assume quarter not monthly (was also mentioned in the interview)
- What are post-hoc adjustments?

- For transaction type, contribution: investor -> fund, distribution: fund -> investor, expense: charged to investor. Need to be clarified to determine if the transaction is an outflow or inflow to the investor.
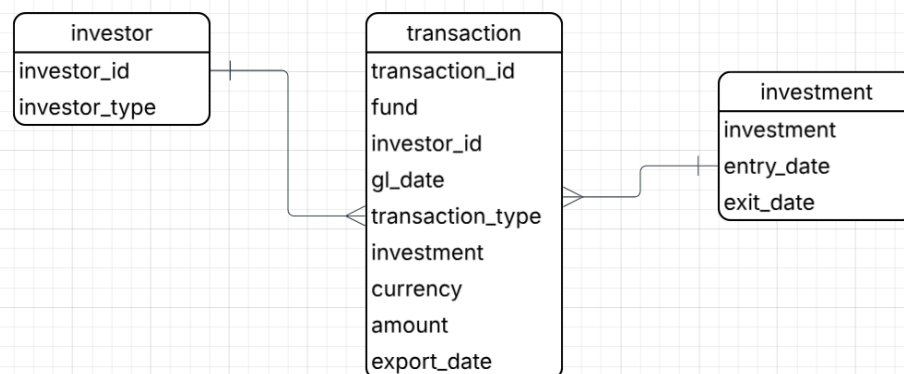
Assumptions & Questions:
- Assume the initial investment date was in January 2024.
- Which investor id represents Montagu?
- Reporting done Quarterly.
- What are post-hoc adjustments?
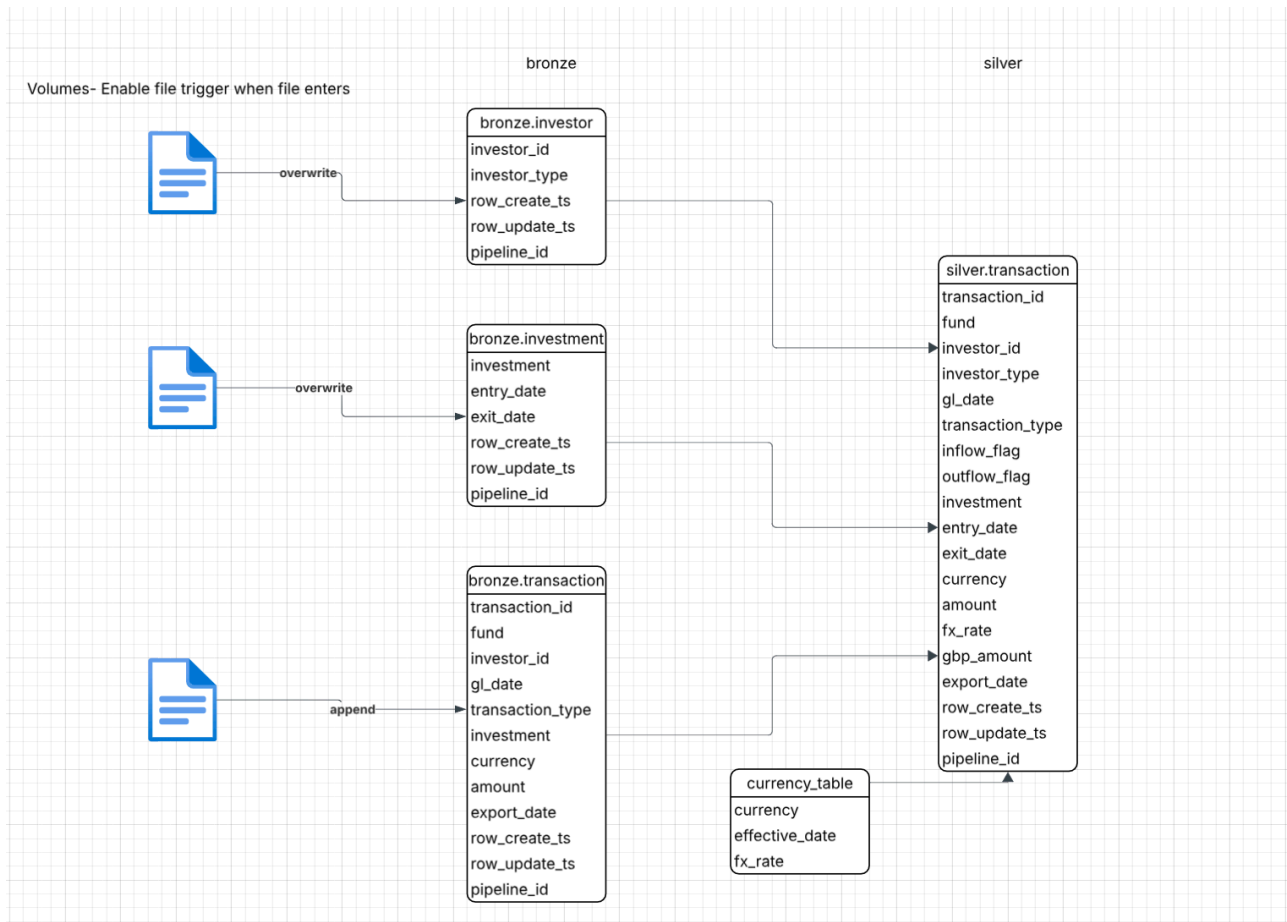
Steps:

1. Understand the data model

Below is an ER diagram of the data provided.
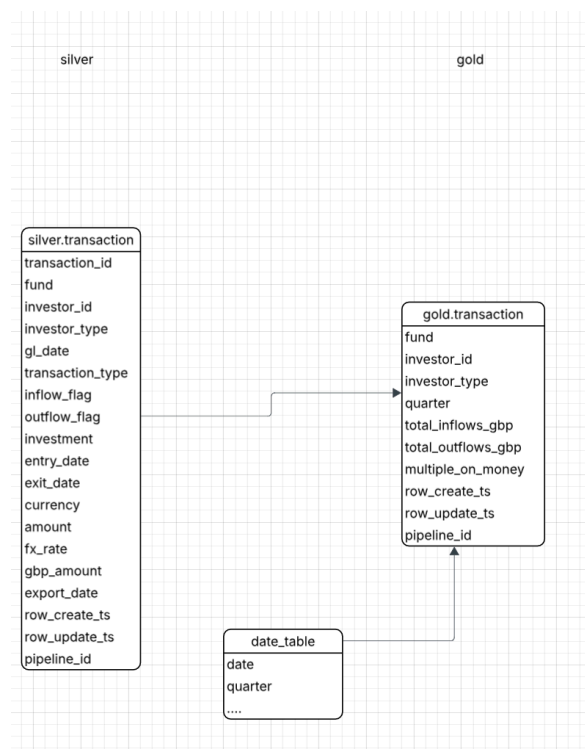Here, transaction is the central fact table with investor and investment dimensions.
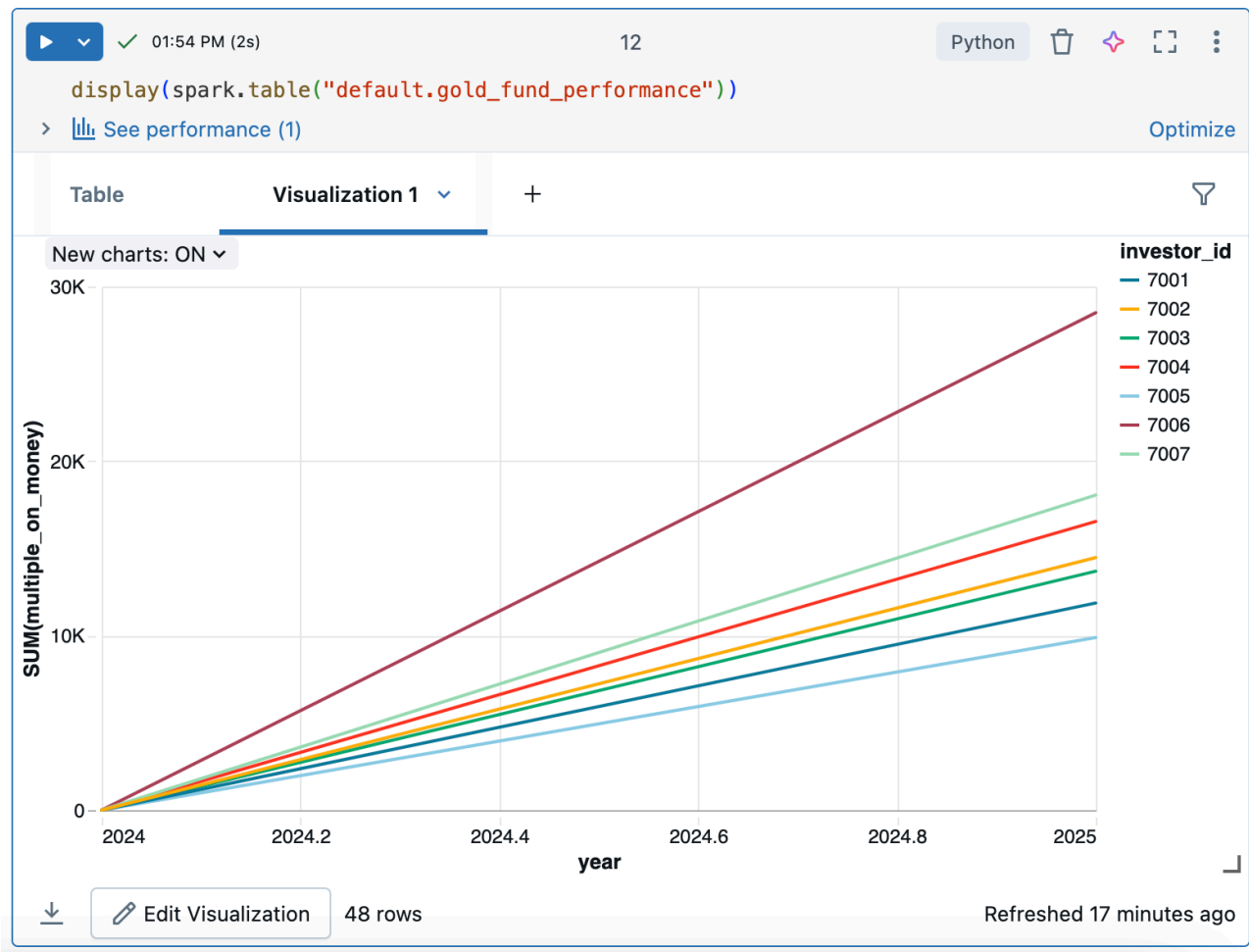
2. Bronze -> Silver

In this layer, as I am classifying amount based on inflow and outflow, they can all be made positive to show absolute amount.

3. Siver to Gold

4. Trend analysis/Understand Results


```python
display(spark.table("default.gold_fund_performance"))
```

5. Write email