# Data Warehouse Source Files Overview

## 🔹 clients.csv

**Source System:**

CRM System (Customer Relationship Management)  
Example: Salesforce, Microsoft Dynamics CRM

**Details Captured:**

* Client ID
* Name
* Email
* Phone
* Address
* Client Onboarding Date
* Risk Rating

**Usage in DW:**

Used for client profiling, KYC compliance, segmentation, and reporting.

## 🔹 accounts.csv

**Source System:**

Core Investment Management System / Portfolio Management System  
Example: Avaloq, Temenos WealthSuite, SimCorp Dimension

**Details Captured:**

* Account ID
* Client ID (FK)
* Account Type (e.g., Retirement, Trust, Brokerage)
* Currency
* Opening Date
* Status

**Usage in DW:**

Used to associate clients with their investment accounts, categorize portfolios, and calculate AUM (Assets Under Management).

## 🔹 transactions.csv

**Source System:**

Trading Platform / Transaction Processing System  
Example: Bloomberg Terminal, Calypso, Charles River IMS

**Details Captured:**

* Transaction ID
* Account ID (FK)
* Transaction Date
* Security Symbol
* Quantity
* Price
* Type (Buy/Sell/Dividend/Fee)
* Transaction Value

**Usage in DW:**

Feeds financial reporting and performance analytics—P&L, fees, holdings, realized/unrealized gains.

## 🔹 market\_data.csv

**Source System:**

Market Data Provider / Financial Feeds  
Example: Bloomberg, Reuters, Morningstar

**Details Captured:**

* Symbol
* Date
* Open Price
* Close Price
* High, Low
* Volume

**Usage in DW:**

Used for historical price lookups, NAV calculations, investment performance tracking, and benchmarking.

## Summary Data Flow

|  |  |  |  |
| --- | --- | --- | --- |
| Source System | Example Tool | Data File | Domain |
| CRM | Salesforce | clients.csv | Client Master Data |
| Investment Mgmt | Temenos/Avaloq | accounts.csv | Account Master Data |
| Trading Platform | Bloomberg / Calypso | transactions.csv | Financial Transactions |
| Market Data Provider | Reuters / Morningstar | market\_data.csv | Security Prices & Market Feed |