

# Dimensionally Modeled Extracts

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## Idea

Add special fact & dimension server extracts designed to work efficiently together, so data development only needs to be made once. This would advance Tableau by leaps and bounds as an Enterprise solution.

Being a built-in feature should make it easier to:

- optimize performance
- include all extract functionality (Median, CountD, etc)
- learn and use

## Benefits

The main benefits are:

- *Simplifies* data & authoring
- Saves a lot of time in *data preparation & maintenance*
- Saves time in *report authoring*
- Saves time in *daily data refreshes*
- Saves a lot of *disk space*
- Automates *grouping of columns* (vs current disorder)
- Lessens need of data warehouses (outside Tableau)
- Reduces development & license costs (all above saves time & money)
- Common dimensions across facts makes it easier to [filter across multiple data sources](#)

## Mock-up

I picture the user interface to look similar to mock-up below with dimension tables being collapsible and collapsed as default. Opening the fact extract *Fact Sales* automatically selects all dimension extracts associated with the *Fact Sales* extract, that is, finding dimension extract is not something report author needs to worry about.

# Dimensionally Modeled Extracts

**Data**

Fact Sales

Dimensions

- Order Date
  - # Order ID
- Order Priority
- Ship Date
  - Abc Ship Mode
  - # Row ID
- Measure Names

Dim Customer

- # Customer ID
- Abc Customer Name
- Abc Customer Segment

Dim Product

- Abc Product Category
- Abc Product Container
- Abc Product Name
- Abc Product Sub-Category

Dim Geography

- Abc Region
- State or Province
- Postal Code
- City

Measures

- # Discount
- # Product Base Margin
- # Profit
- # Quantity ordered new
- # Sales
- # Shipping Cost
- # Unit Price
- Latitude (generated)
- Longitude (generated)
- =# Number of Records
- # Measure Values

