



Finance Data Warehouse

Information Warehouse & Access

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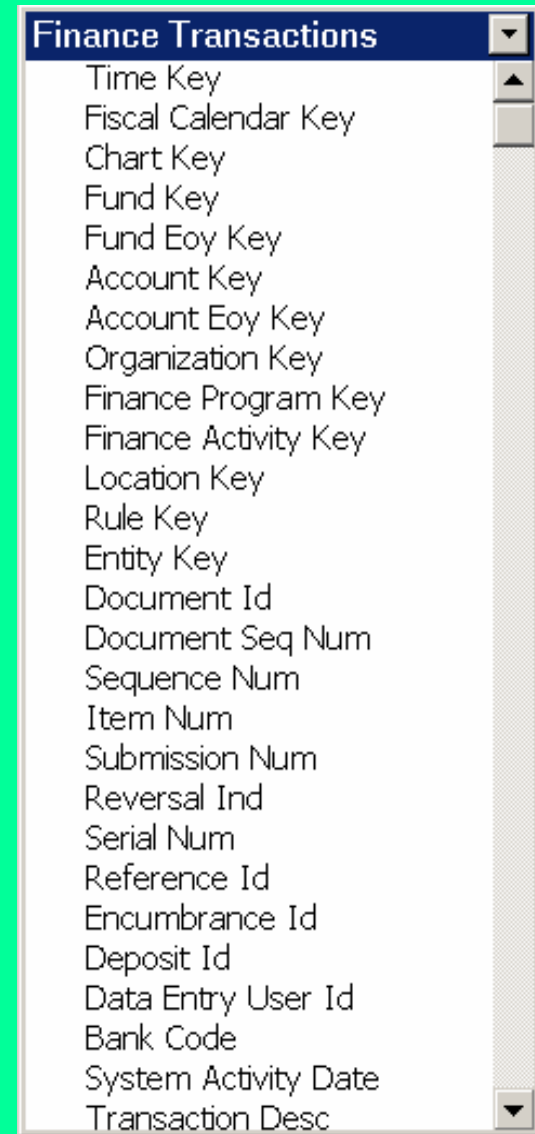
Banner Finance

# An overview...

- The next few slides will give you a glimpse of what the Finance Data Warehouse can do for you...
- As we discuss the various Fact Tables and Dimensions, begin to draw a mental picture of the desired outcome. If the warehouse is a **map**...we are planning the **route**.

# Only the Facts!

- A query begins with the basic Fact Table as its center. It may be thought of as the ‘hub’ of a wheel. All other dimensions will relate to it. This is also known as a ‘Star Schema’.
- There are two Fact Tables available. Depending on the desired results, the user will select from either the Finance Transactions or Finance Fiscal Period Summary Transactions dimensions.
- As the name implies...the Finance Transaction ‘fact table’ is for current transactions in Banner that have fed to Finance and the Finance Fiscal Period Summary Transactions ‘fact table’ provide a summary of transactions.



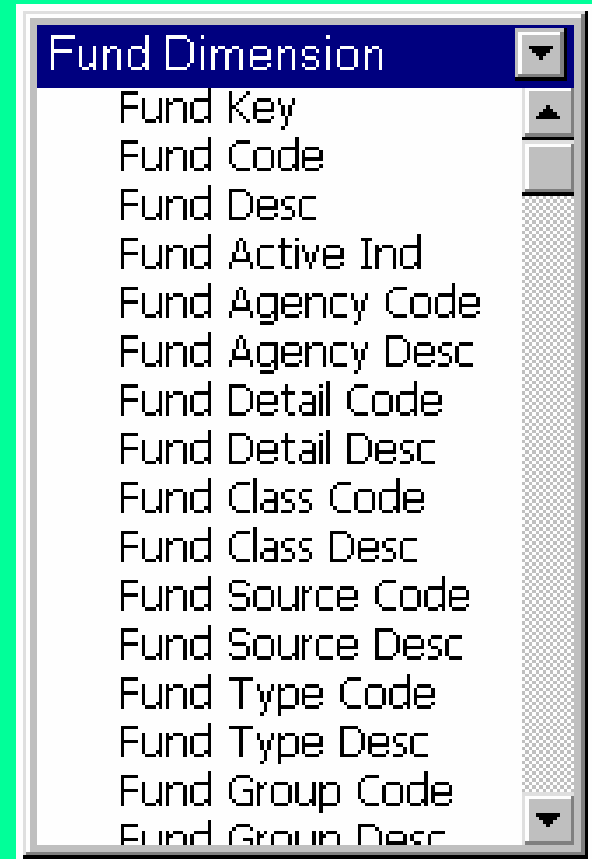
Finance Transactions
Time Key
Fiscal Calendar Key
Chart Key
Fund Key
Fund Eoy Key
Account Key
Account Eoy Key
Organization Key
Finance Program Key
Finance Activity Key
Location Key
Rule Key
Entity Key
Document Id
Document Seq Num
Sequence Num
Item Num
Submission Num
Reversal Ind
Serial Num
Reference Id
Encumbrance Id
Deposit Id
Data Entry User Id
Bank Code
System Activity Date
Transaction Desc

# Items of interest:

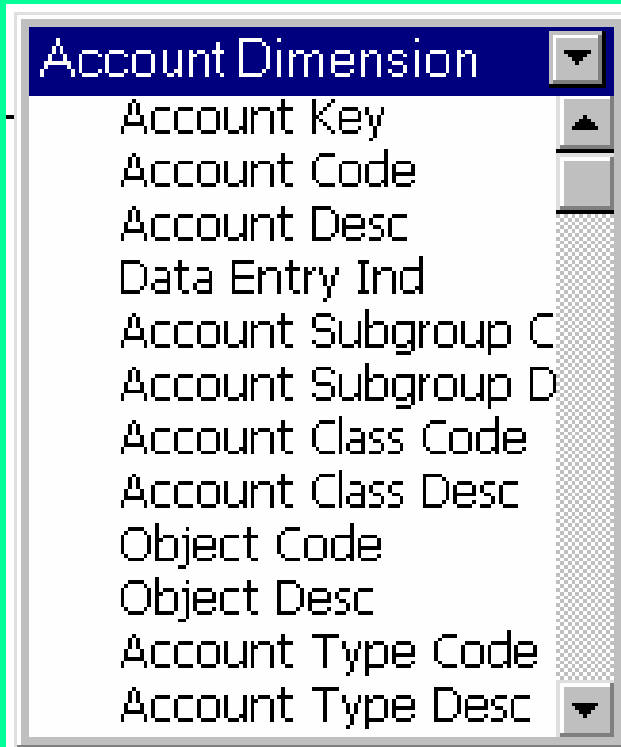
- The ‘fact tables’ in the Finance warehouse will be the place to look for numbers, dates, and amounts. This is a basic feature of a ‘fact table’.
- There are various dollar amounts available...Beginning Balance, Ending Balance, Actual Amount, Budget Adjustments and Open Commitments. Each of these are available for use in a query based on the results desired.
- When building a query, it is necessary to select, in most cases, the Operating ‘O’ Ledger for the basis of your query. In the ‘fact table’ this is called the Ledger Ind.

# Fund Dimension

- The Fund Dimension will provide the details of the Finance Fund Code for each transaction. For most queries, the user will identify a particular Fund Code or Codes.
- Notice, for each Fund item, there is a description (Desc) available. Many of us are not familiar with the 6 digit Fund 'code' and a word 'desc' can be very helpful.



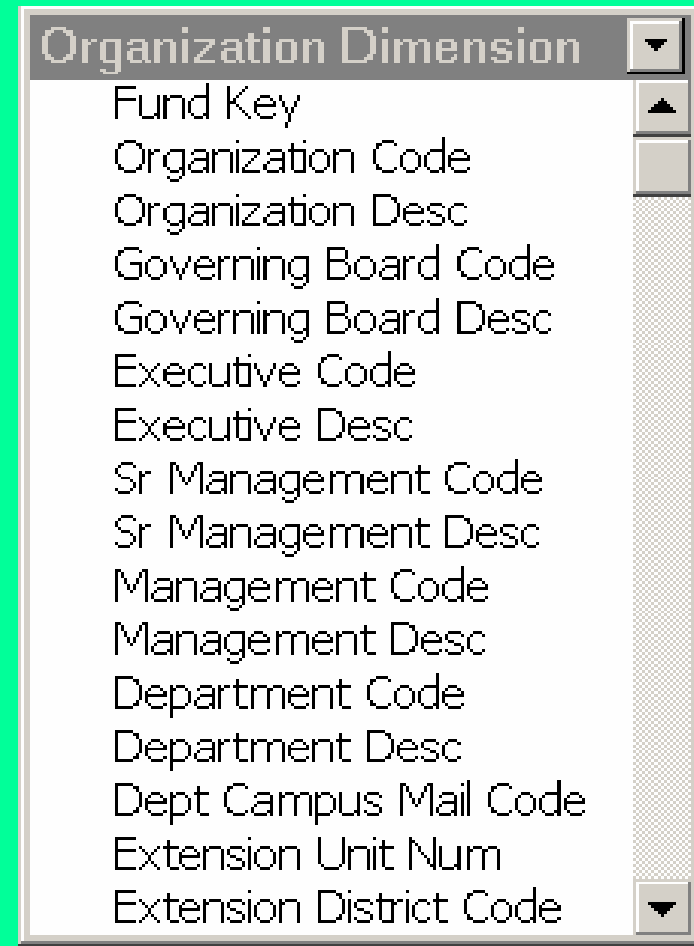
# Account Dimension



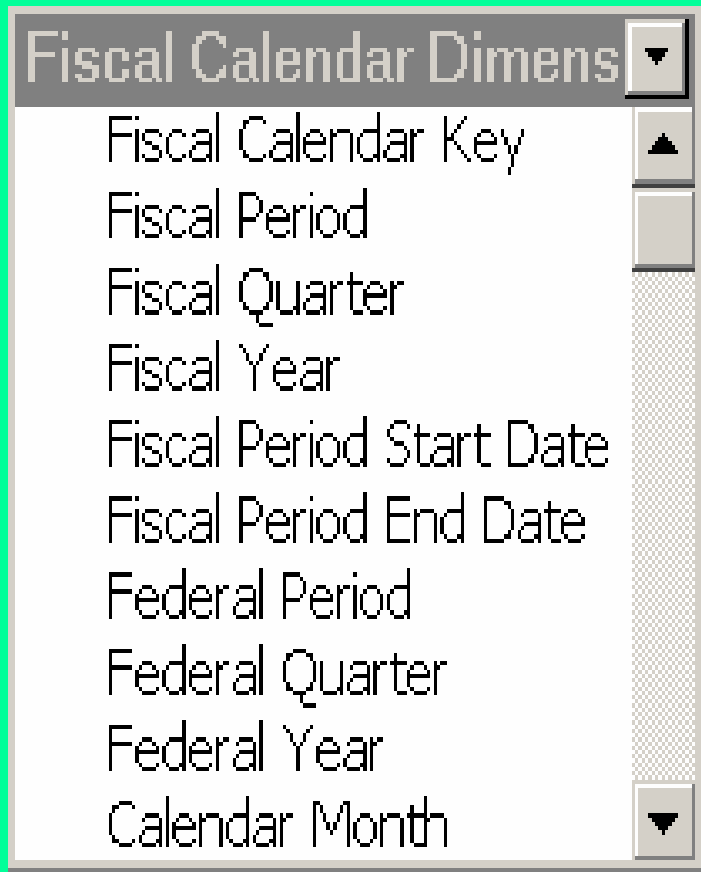
- The Account Dimension will provide the details of the Finance Account Code for the transaction.
- The Account Code is a 4 or 5 digit code unique for a specific type of transaction.
- As with other dimensions in the warehouse, additional account information may be selected to provide greater detail. Most often used will be the Account Code and Account Desc.

# Organization Dimension

- The Organization Dimension is used to group transactions by particular Organizations (6 digit) codes or Departments (4 digit) codes.
- Again, it may be helpful in also using the Desc to assist in understanding the data returned.
- The user may select either 'code' to assist in gathering information for their query.



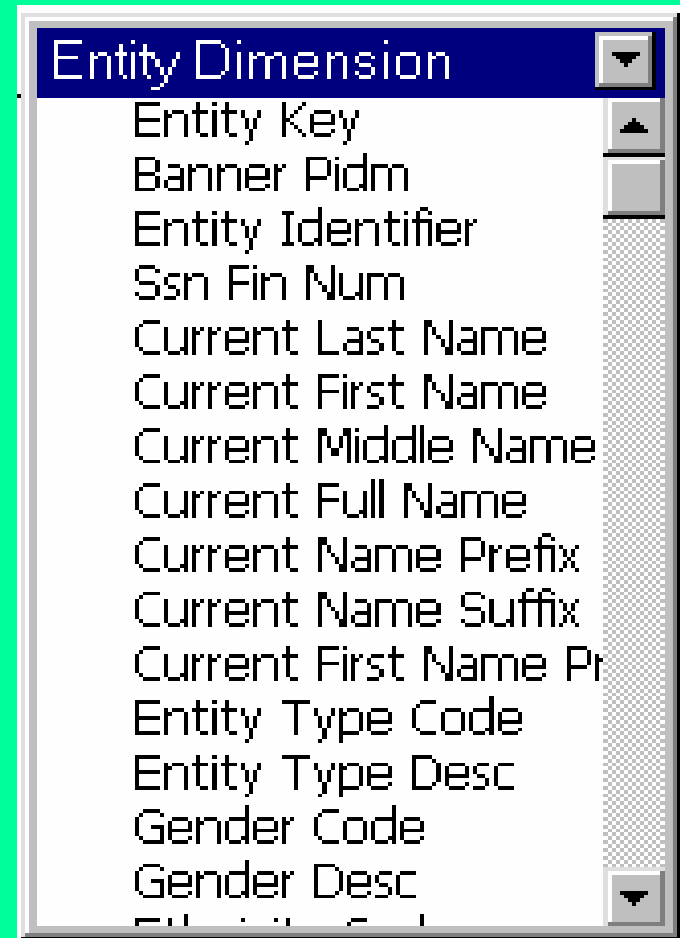
# Fiscal Calendar Dimension



- Every query should have a reference of time. In gathering information, you will, most likely, want to report on a specific period.
- Several time references are available.
- The two that may be most useful will be a Fiscal time reference or a Calendar time reference. However, Federal may also be used.

# Entity Dimension

- The Entity Dimension will display information about individual transactions, when available.
- This will provide the user with detail concerning each transaction.
- Point of caution, this dimension is one that ties transactions with ID numbers. This information, as with other information in the warehouse should remain confidential and shared only within your department.



# Additional information:

- In addition to the basic SSN or FIN of the entity, a user will be able to select such items as Last Name, First Name or Full Name.
- Again, a word about confidentiality. This and other information contained in the Finance Data Warehouse may be of a confidential nature. This is something to remain aware of when viewing or sharing information with others.
- If printed and when no longer needed, the information should be shredded.

# Summary...

There are several advantages in using the Finance Data Warehouse...

1. Provides the user with information (data) packaged in an systematic, organized, and easy to read format.
2. The terms and phrases used are familiar because of their use in Banner. Most results may be traced back to Banner.
3. The user is able to generate a report in the format and style using the data provided and have the results displayed in the manner they feel is useful.
4. The Finance Data Warehouse has been designed assist departments in managing data and provide the information in order to make prudent business decisions based on that data.