

Accounts Receivable Data Warehouse

Information Warehouse & Access (IWA)
&
Banner Finance

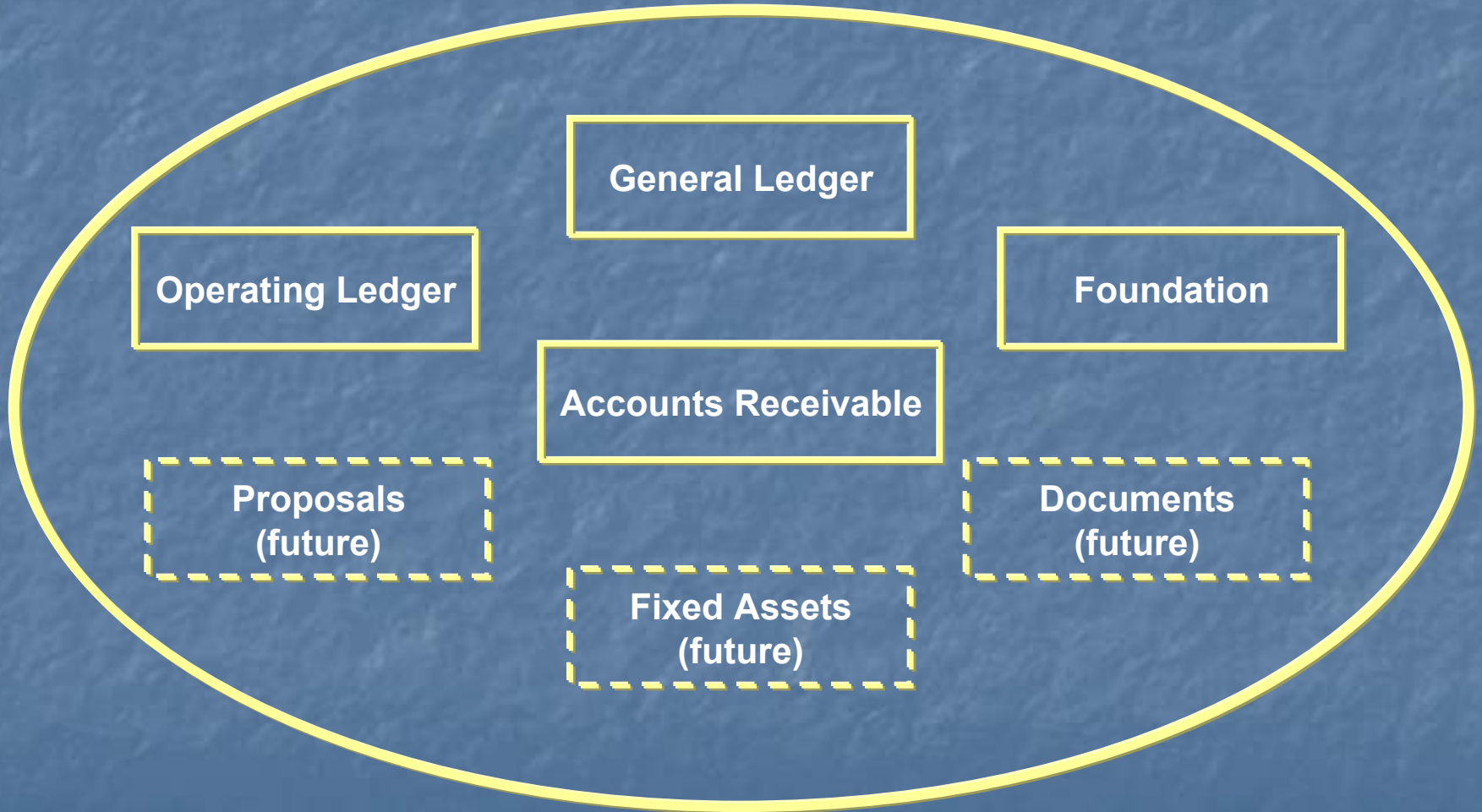
Definition of a Data Warehouse?

- Subject-Oriented: the data stored in the warehouse provides information about a particular topic or function.
- Integrated-Oriented: the data may have been gathered from a variety of sources, but it has been changed to be consistent in its use of terms and formats.
- Time-Variant: all data loaded into the data warehouse is associated with a particular point in time.
- Non-Volatile: as data is loaded on a nightly basis, the point-in-time data already there is not altered by the new information. This provides the ability to view a history of transactions, to the earliest record.

What is a Warehouse?

- When you think of a warehouse, you probably imagine a storage facility for goods. Big building with many rows of shelves.
- A Data Warehouse is just that...a storage facility for data. Information and transactions entered into Banner daily are stored in the Data Warehouse.
- Each night, these entries and transactions are placed in the Data Warehouse.
- It is important to remember, the Data Warehouse is never more current than yesterdays data.

The Finance Data Marts

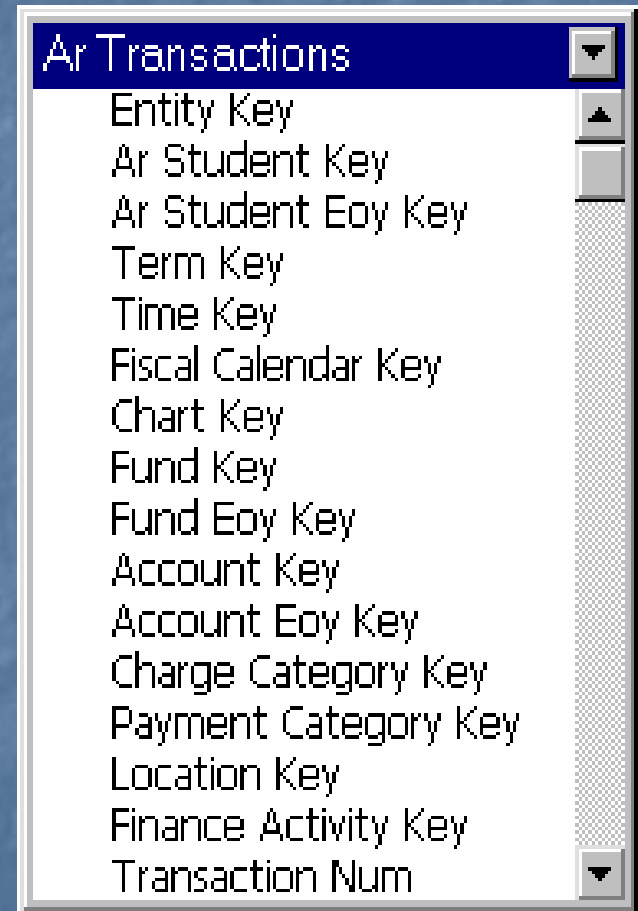


Who benefits from a 'warehouse'?

- Anyone who has the need to do 'ad hoc' reporting.
- There are areas that might see the more use of the Data Warehouse, such as; the Budget Office, the Bursar's Office, and the Controller's Office.
- However, anyone who has a need to see transactions and their source (entity), with the underlying detail, will benefit. This translates to use at the department level.
- The true beauty of the warehouse is that the user has the ability to develop a report with the data they see as valuable. Not as someone thought they would like to see it!
- The finished report may show results in general terms or may show great detail, based on needs.

Only the Facts!

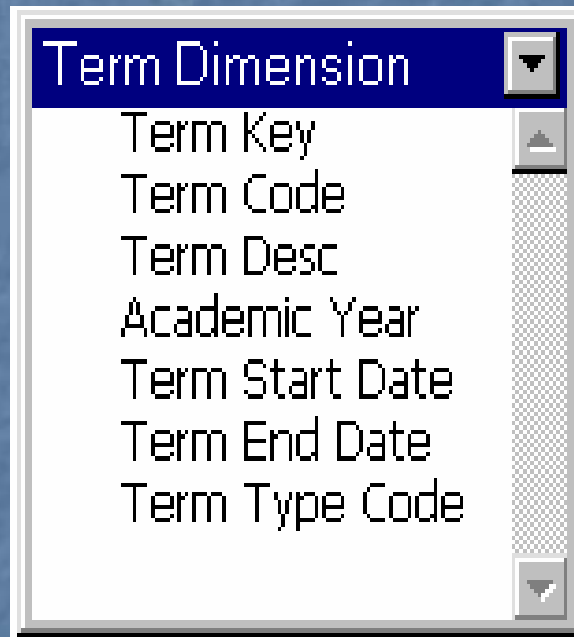
- A query begins with the basic Fact Table as its center. It may be thought of as the 'hub' of a wheel. All other dimensions will relate to it. This is also known as a 'Star Schema.'
- There are two Fact Tables. Depending on the desired results, the user will select from either the AR Transactions or AR Pending Transactions.
- As the name implies...the AR Transactions Fact Table is for current transactions in Banner that have fed to Finance and the AR Pending Transactions Fact Table are Financial Aid credits and unfed application of payment (*revenue*) transactions.



Items of interest:

- The AR Transactions Fact Table will be the place to look for numbers, dates, and amounts. This is a basic feature of the 'Fact Table'.
- There are various dates available ...Transaction Date, Effective Date, Bill Date, and Due Date. Each of these are available for use in a query based on the results desired.
- Two items...Charge Amount, Payment Amount are also available. As stated, the AR Transactions Fact Table provides the dollars and cents of the AR Data Warehouse.

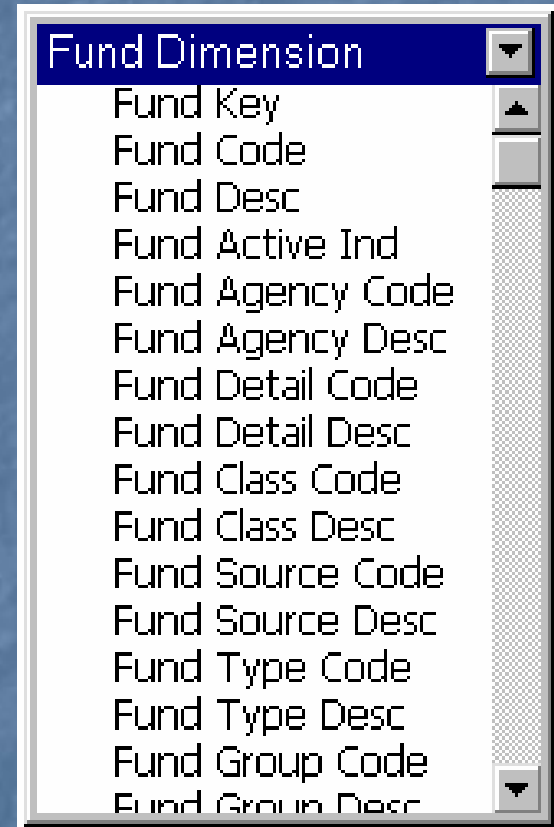
Term Dimension



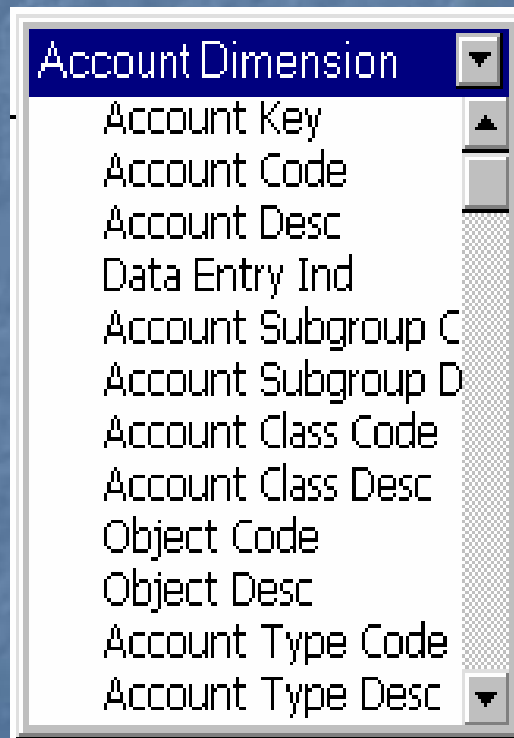
- Many of the queries run will be based on a Term. Which Term was the transactions charged or the payment received?
- Other options include Academic Year, Term Start Date, Term End Date.
- These additional items are available to give the users options to assist in their report gathering.

Fund Dimension

- The Fund Dimension will provide the details of the Finance Fund Code for the charge. This is the *revenue* fund.
- There are other codes available to gather additional information based on your needs.
- Notice, for most items, there is a description (Desc) available. Many of us are not familiar with the 'code' and the 'desc' can be helpful.



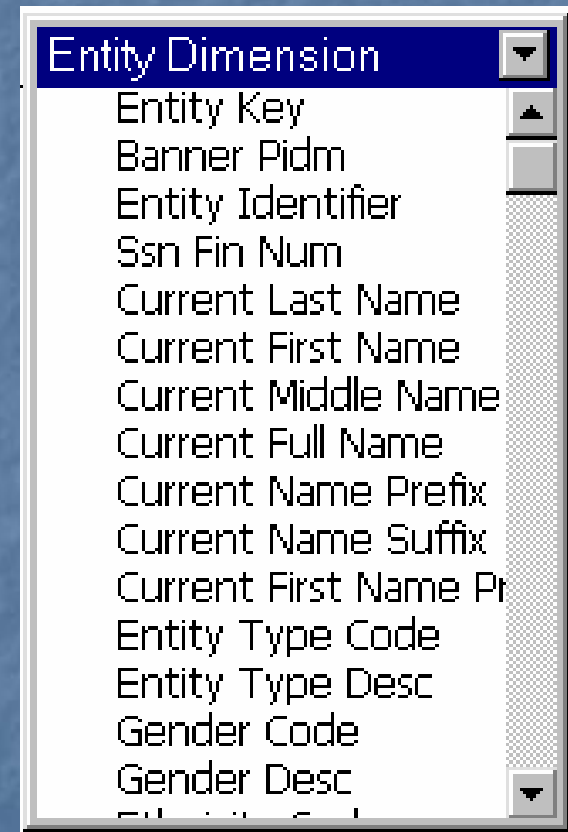
Account Dimension



- The Account Dimension will provide the details of the Finance Account Code for the charge – the *revenue* account.
- As with other dimensions, additional Account information may be selected to provide greater detail.

Entity Dimension

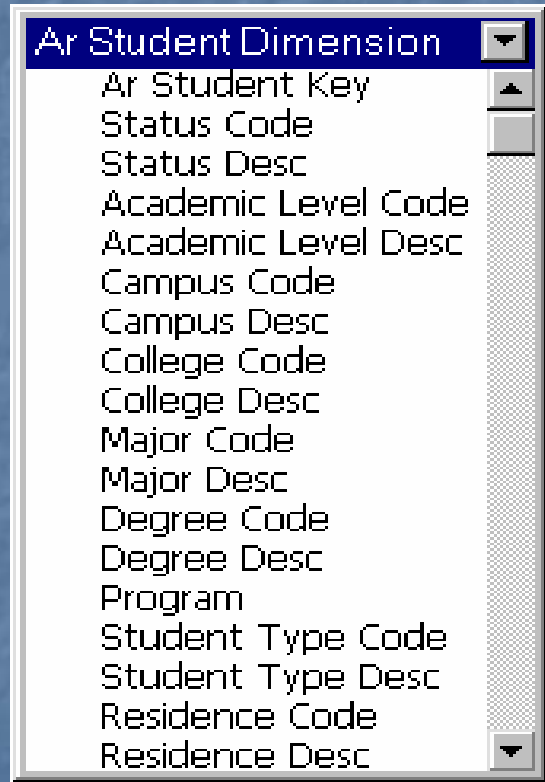
- The Entity Dimension will display information about individual students or other customers with the university.
- This will provide the user with detail concerning each transaction.



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. Also, the Entity Type is available.
- The Ethnicity Code, Gender Type Code, and Citizenship Code are available along with other identifying information about the entity
- A word about confidentiality. This and other information contained in the AR Warehouse may be of a confidential nature. This is something to remain aware of when viewing or sharing information.

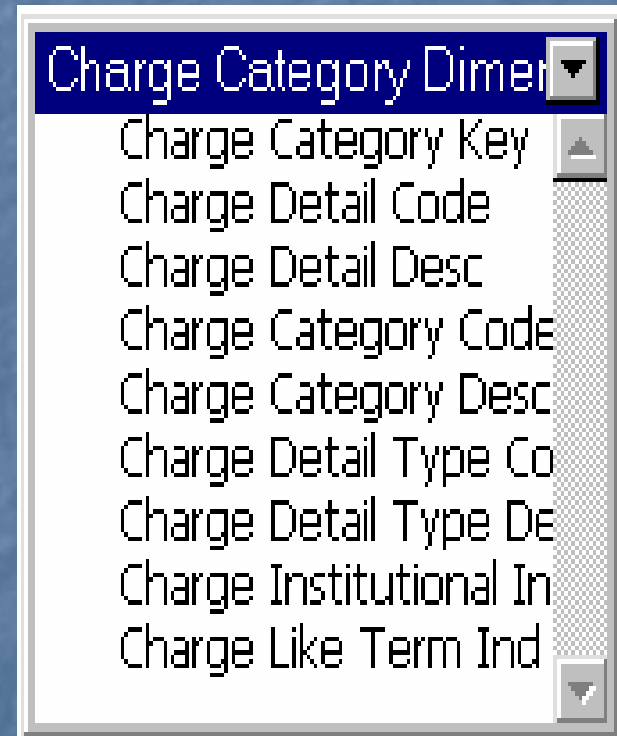
AR Student Dimension



- Information about an individual student is available with this dimension.
- You will be able to see such things as: Academic Level, Campus Code, College Code, Major Code, Residence Code and Rate Code. This is helpful in reporting the breakdown of the student population.

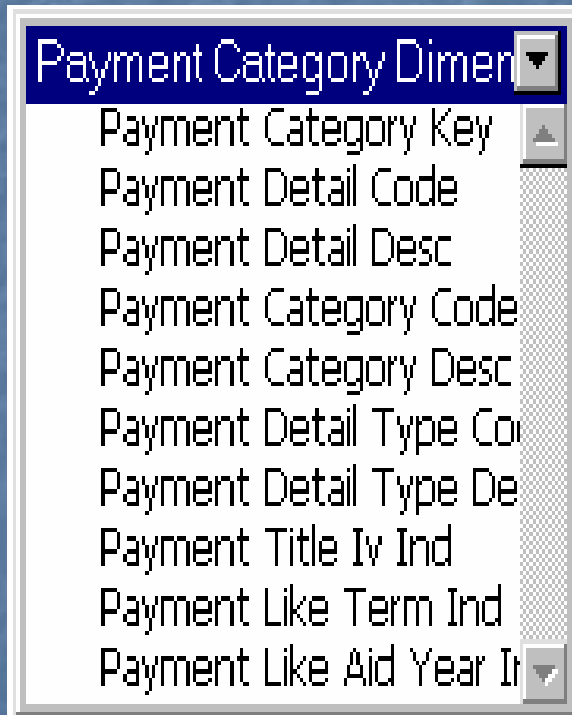
Charge Category Dimension

- The Charge Detail Code is a 4 character code used to identify a specific charge.
- The Charge Detail Desc is helpful in giving a full, verbal description of the charge.
- Also helpful may be the Charge Category Code. This will help define a group of charges by category such as; Tuition (TUI), Meal Plans (MEA) or Housing (HOU).



Charge Category Dimension	
Charge Category Key	
Charge Detail Code	
Charge Detail Desc	
Charge Category Code	
Charge Category Desc	
Charge Detail Type Co	
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Payment Category Dimension



- The Payment Detail Code is a 4 character code used to identify a specific payment.
- The Payment Detail Desc is helpful in giving a full, verbal description of the payment.
- Also helpful may be the Payment Category Code. This will help define a group of payments by category such as; Financial Aid (FA), Payments (PAY), and Grant Billing (GRN)

Summary...

There are several advantages to the AR 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.
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 AR Data Warehouse has been designed assist departments in managing data and provide the information in order to make prudent business decisions based on the data.