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The Week's Agenda

- Introductions
- An EDW Overview
 - Functional
 - Purpose
 - Setup
 - Technical
 - Oracle
 - Reporting from the EDW
- Questions and Answers
- Testing the EDW (Beginning after the training and continuing until complete)





















Designed as a Data Source to Ease Ad-Hoc Reporting

Organized into Simplified Business Concepts

Improves Information Access Performance

Source to Enterprise Data Warehouse

Ensures Consistent Reporting Results

Common Data Source

Common Business Concepts

Cognos FM model and packages

































Data Warehouse Concepts Sample Course Dimension

KEY	COURSE IDENTIFICATION	COURSE NUMBER	SUBJECT
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2	ENGL101	101	ENGL
3	ACCT2310	2310	ACCT
4	BIOL1010	1010	BIOL

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EDW Training

Data Warehouse Concepts Sample Student Dimension

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EDW Training

Data Warehouse Concepts Sample Course Registration Fact

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EDW Architecture The Cleansing Process

 "Cleansing" is the process of verifying ODS code values and possibly translating them to standardized code values in the EDW. It's used to:

- Remove duplicate code values before loading them into the EDW.
- Translate a code value in the ODS to a new value in the EDW.
- Change an ODS description value to a new value in the EDW.
- Group together a range of ODS code values into one EDW value.

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1. Extract data from the ODS based upon parameters passed from the Administrative UI. This data is loaded into the INPUT table associated with the business area being loaded.

2. Load information within the INPUT table to the associated CLEAN table and run the cleansing process. The cleansing process uses values defined by the institution within the Administrative UI to manage descriptions and translate codes to then update them in the CLEAN table.

3. Data from the CLEAN table is then used to discern the unique combinations of dimensional attributes within the data extracted. New combinations of attributes are inserted into their associated dimension tables and assigned a surrogate key. The first dimension analyzed is the time dimension. If the combination of dimensional attributes within the time dimension already exists, the loading process halts unless the Replace Indicator checkbox is checked. This ensures that historical data is not overridden unless explicitly requested by an institution.

4. After loading the attributes into the dimension tables, join the CLEAN table with its various associated dimension tables to obtain the surrogate keys associated with each record. This data is loaded into the associated WKEYS table.

5. Run the FACT_DELETE mapping to delete records in the fact table for the defined time slice when the Replace Indicator checkbox is checked.

6. Load data from the WKEYS table into the fact table.








































