

Implementing the Ellucian EDW



Presented by:
Seema Metikurke
John Tong
The University of Georgia

About the University of Georgia

Chartered in 1785, America's first state chartered university and birthplace of the American system of public higher education

Fall 2015 enrollment totaled 36,130
Undergraduates 27,547
Graduate 8,583

Work Force: 10,370 faculty, administration, professionals, technical and clerical

UGA went live with Banner and Argos in Fall of 2014





Seema Metikurke

Application Analyst Specialist

- Works with functional areas to provide data systems support
- Primary Administrator of the ODS/EDW, Argos, FormFusion, ePrint and security
- Employee at UGA for 7 years
- 14 years of development experience
- MS CS Georgia State University



John Tong

Application Analyst Principal

- Reporting Team Lead (URR/ODS/EDW)
- Responsible for reporting and improving data quality and service with functional areas
- 20+ years of Banner/Higher Education experience
- Formerly of Evisions



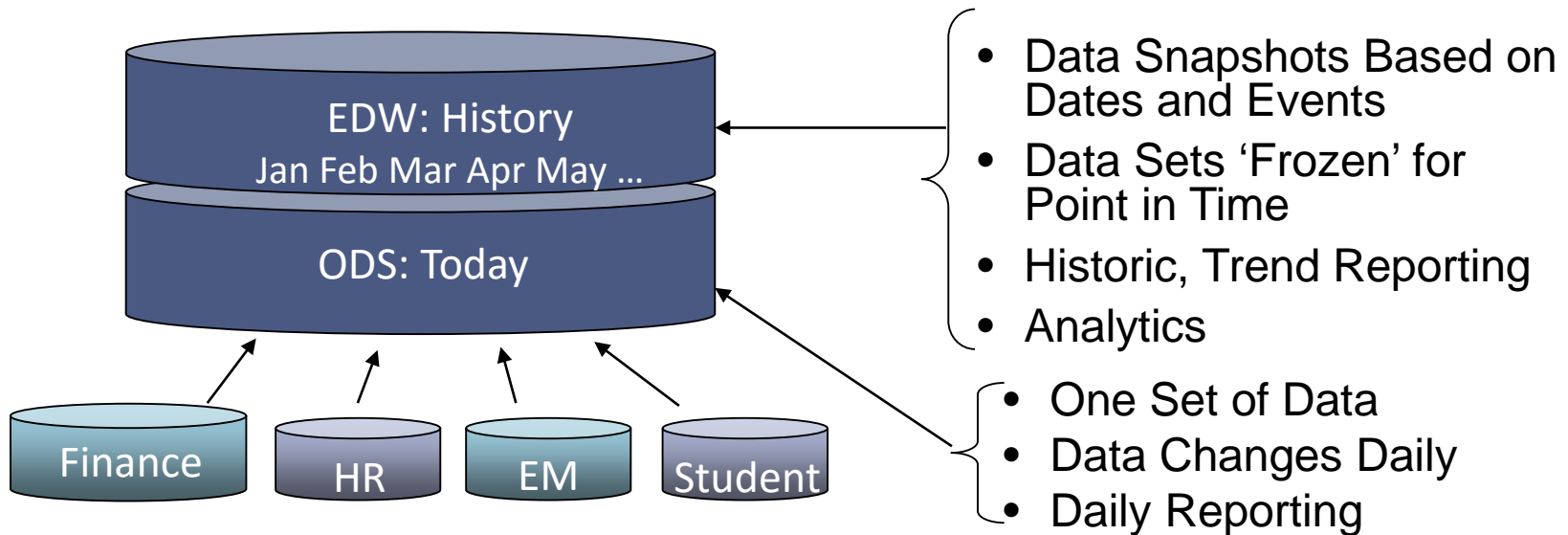
Topics To Be Covered

- **Why an EDW?**
- Setting up the EDW
- Evaluating the EDW requirements
- Implementing the EDW
- Tips and Tricks
- Awesome Appendix Reference!



What is an EDW?

- Opportunity for More Consistent Reporting Results
 - Common Data Source
 - Common Business Concepts
- Banner Operational Data Store (ODS): Ad-hoc querying and daily reporting
- Enterprise Data Warehouse: Historic, trend reporting and analytics





OLAP : 1000 reports in a box

Classes that Students in the Forestry College are taking

☐ Available Dimensions

Gender Ethnicity Level Program Degree Campus Classification
Subject Age

☐ Columns

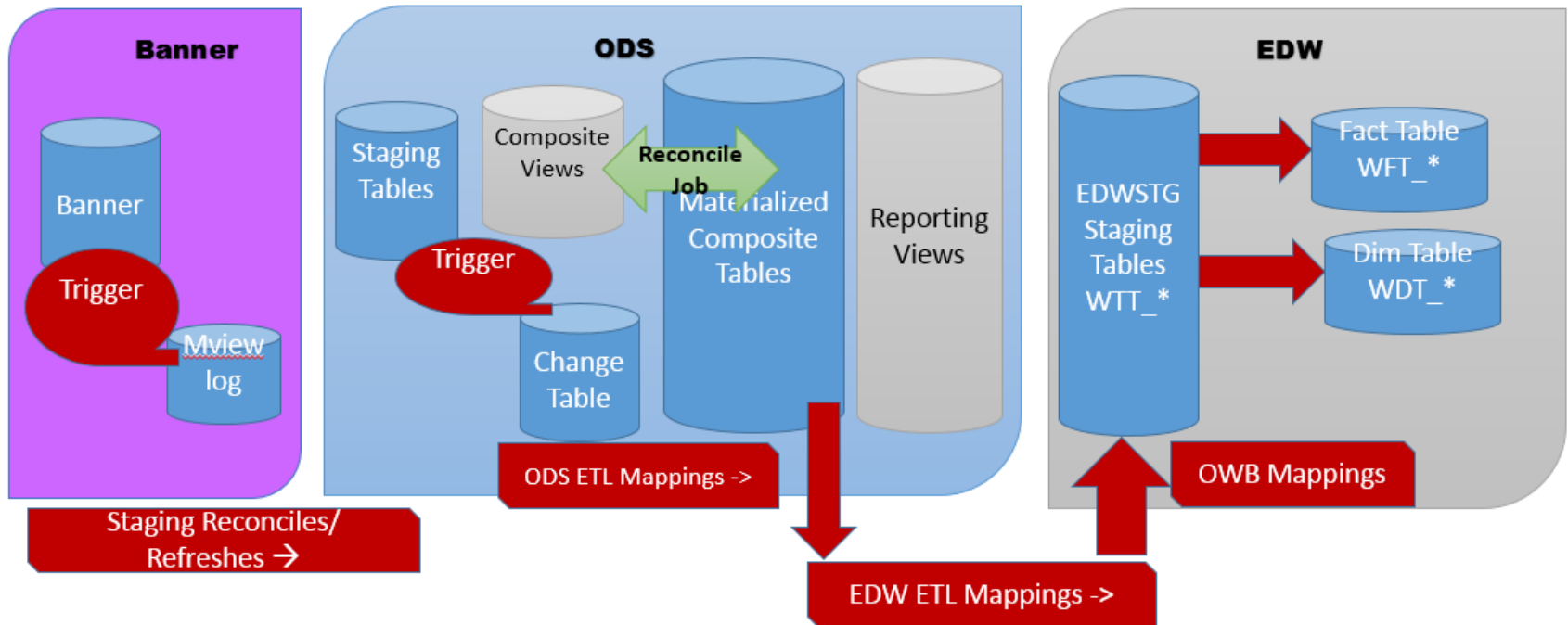
Term

☐ Major

| Major | Term | Count | Count | Count | Count |
|-------|--------------------------------|---------|---------|---------|---------|
| | Major | Count | Count | Count | Count |
| | | Value | Value | Value | Value |
| | Fisheries and Wildlife | 886.00 | 1039.00 | 1114.00 | 3039.00 |
| | Forest Resources | 560.00 | 580.00 | 558.00 | 1698.00 |
| | Intended Fisheries and Wildlif | 364.00 | 448.00 | 326.00 | 1138.00 |
| | Forestry | 276.00 | 303.00 | 401.00 | 980.00 |
| | Natural Resource Rec and Tour | 212.00 | 163.00 | 143.00 | 518.00 |
| | Intended Forestry | 91.00 | 144.00 | 92.00 | 327.00 |
| | Water and Soil Resources | 70.00 | 85.00 | 64.00 | 219.00 |
| | Natural Resources | 70.00 | 51.00 | 79.00 | 200.00 |
| | Intended Nat Res Rec and Tour | 37.00 | 47.00 | 42.00 | 126.00 |
| | Integrative Conserv and Forest | 36.00 | 36.00 | 46.00 | 118.00 |
| | Intended Water and Soil Resour | 14.00 | 31.00 | 51.00 | 96.00 |
| | Toxicology | 3.00 | 5.00 | 4.00 | 12.00 |
| | Unspecified | 0.00 | 7.00 | 0.00 | 7.00 |
| | Wildlife | 4.00 | 0.00 | 0.00 | 4.00 |
| | Total by COLUMNS | 2629.00 | 2939.00 | 2920.00 | 8488.00 |



Architecture: High Level Overview





Point In Time Captures

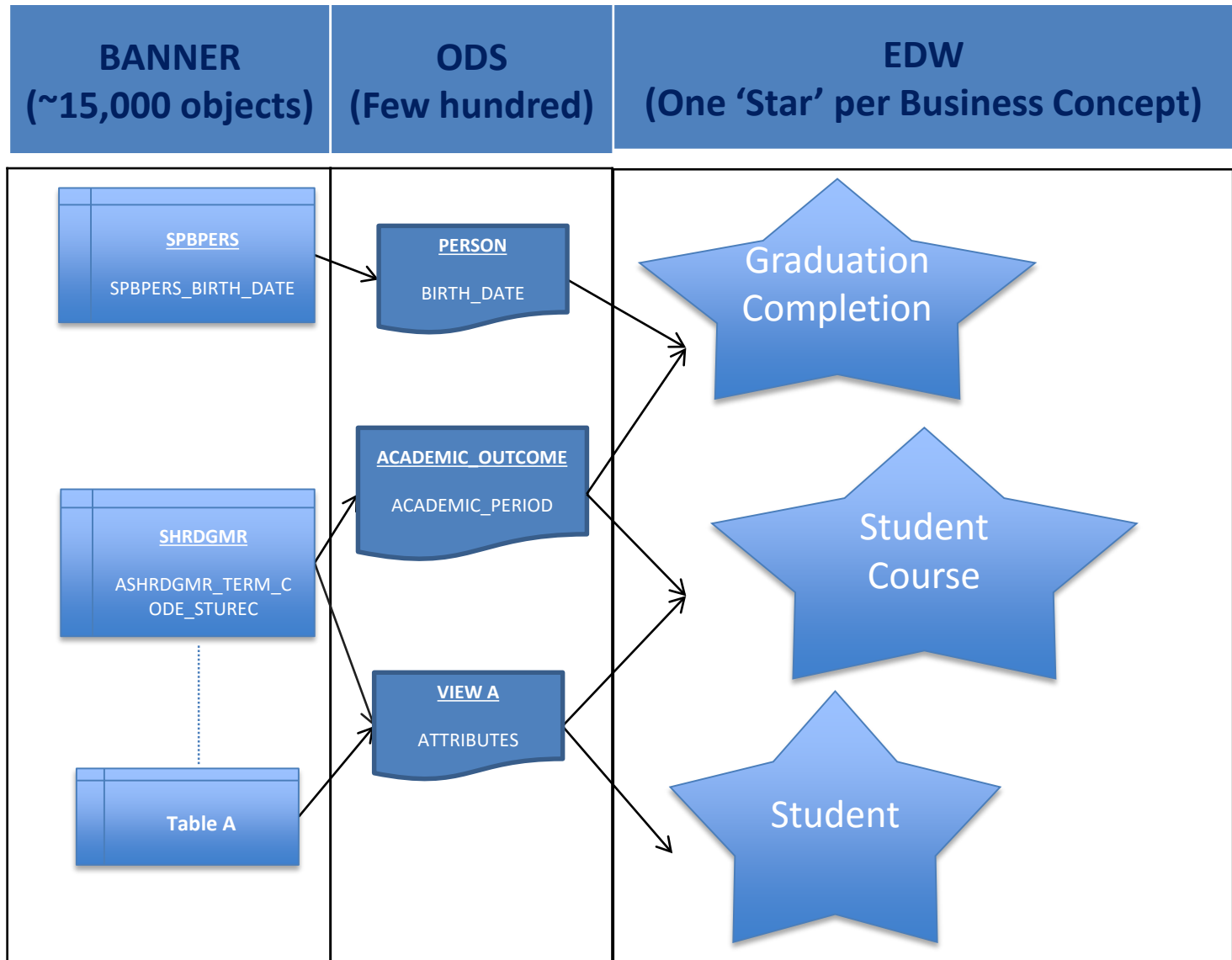
Captures data as it stood that day.

- No post dated changes
- No reconstruction



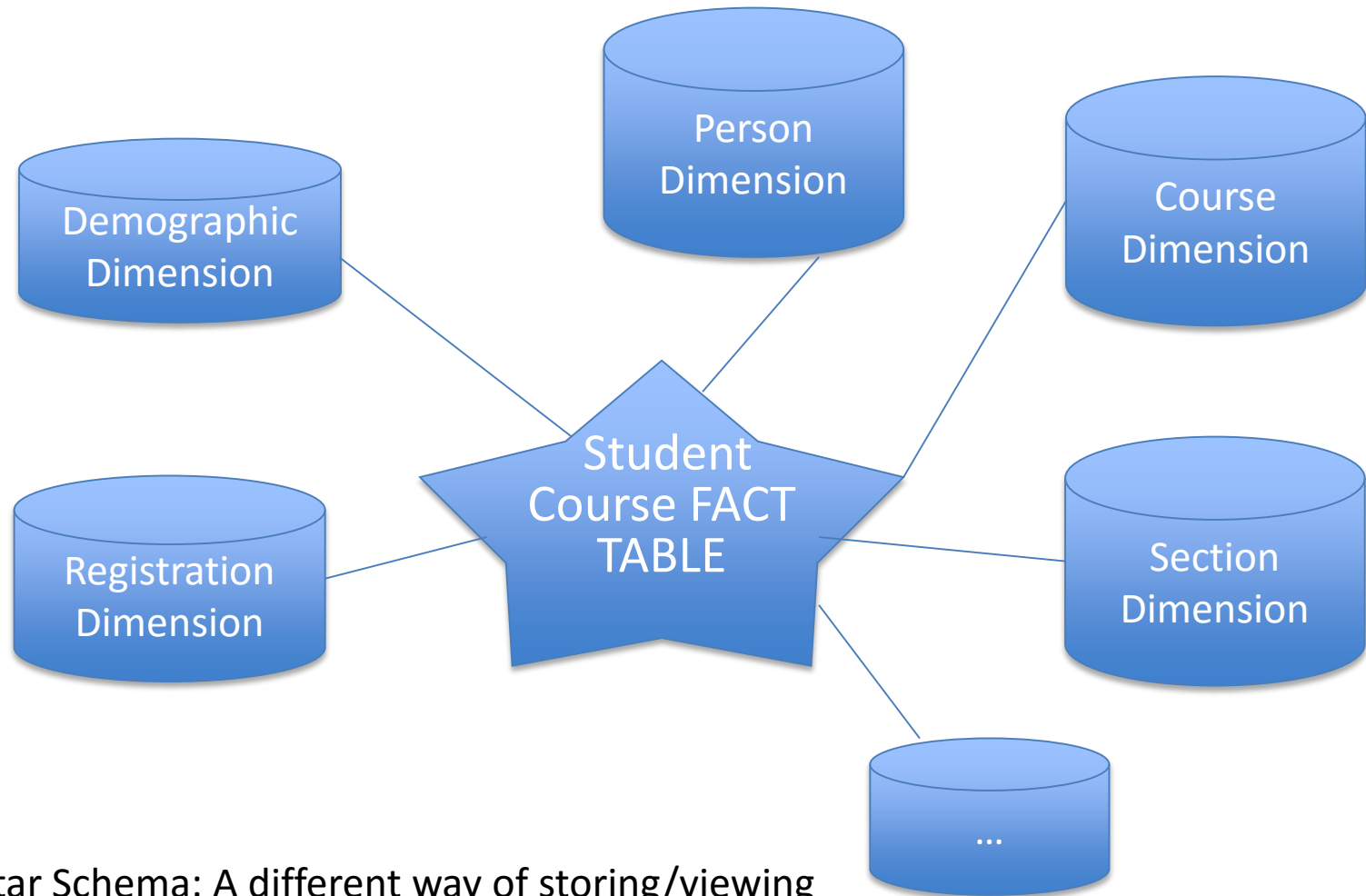


Architecture: High Level Overview





Star Schema: EDW



Star Schema: A different way of storing/viewing



WDT_PERSON

PERSON_UID: NUMBER
ID: VARCHAR(63)
FULL_NAME_LFMI: VARCHAR(255)
BIRTH_DATE: DATE
ACCESSION_DATE: DATE
EMAIL_ADDRESS: VARCHAR(255)
PHONE_NUMBER_COMBINED: VARCHAR(63)
CONFIDENTIALITY_IND: VARCHAR(3)
USER_ATTRIBUTE_01: VARCHAR(63)
USER_ATTRIBUTE_02: VARCHAR(63)
USER_ATTRIBUTE_03: VARCHAR(63)
USER_ATTRIBUTE_04: VARCHAR(63)
USER_ATTRIBUTE_05: VARCHAR(63)
USER_ATTRIBUTE_06: VARCHAR(63)
USER_ATTRIBUTE_07: VARCHAR(63)
USER_ATTRIBUTE_08: VARCHAR(63)
USER_ATTRIBUTE_09: VARCHAR(63)
USER_ATTRIBUTE_10: VARCHAR(63)
SYSTEM_LOAD_TIMESTAMP: DATE

WDT_MULTISOURCE

MULTI_SOURCE_KEY: NUMBER
MULTI_SOURCE_ID: VARCHAR(63)
MULTI_SOURCE_SEQ: VARCHAR(255)
PROCESS_GROUP: VARCHAR(255)
PROCESS_GROUP_ID: VARCHAR(255)
PROCESS_GROUP_SEQ: VARCHAR(255)
ADMINISTRATIVE_GROUP: VARCHAR(255)
ADMINISTRATIVE_GROUP_ID: VARCHAR(255)
ADMINISTRATIVE_GROUP_SEQ: VARCHAR(255)
USER_ATTRIBUTE_01: VARCHAR(63)
USER_ATTRIBUTE_02: VARCHAR(63)
USER_ATTRIBUTE_03: VARCHAR(63)
USER_ATTRIBUTE_04: VARCHAR(63)
USER_ATTRIBUTE_05: VARCHAR(63)
USER_ATTRIBUTE_06: VARCHAR(63)
USER_ATTRIBUTE_07: VARCHAR(63)
USER_ATTRIBUTE_08: VARCHAR(63)
USER_ATTRIBUTE_09: VARCHAR(63)
USER_ATTRIBUTE_10: VARCHAR(63)
SYSTEM_LOAD_TIMESTAMP: DATE

WDT_INSTRUCTOR

INSTRUCTOR_KEY: NUMBER
INSTRUCTOR_NAME: VARCHAR(255)
HOME_COLLEGE: VARCHAR(63)
HOME_COLLEGE_SEQ: VARCHAR(255)
HOME_COLLEGE_ID: VARCHAR(63)
HOME_COLLEGE_SEQ_ID: VARCHAR(255)
SYSTEM_LOAD_TIMESTAMP: DATE

WDT_COURSE_REFERENCE_NUMBER

COURSE_REFERENCE_NUMBER_KEY: NUMBER
COURSE_REFERENCE_NUMBER: VARCHAR(63)
USER_ATTRIBUTE_01: VARCHAR(63)
USER_ATTRIBUTE_02: VARCHAR(63)
USER_ATTRIBUTE_03: VARCHAR(63)
USER_ATTRIBUTE_04: VARCHAR(63)
USER_ATTRIBUTE_05: VARCHAR(63)
USER_ATTRIBUTE_06: VARCHAR(63)
USER_ATTRIBUTE_07: VARCHAR(63)
USER_ATTRIBUTE_08: VARCHAR(63)
USER_ATTRIBUTE_09: VARCHAR(63)
USER_ATTRIBUTE_10: VARCHAR(63)
SYSTEM_LOAD_TIMESTAMP: DATE

WDT_COURSE_SECTION

COURSE_SECTION_KEY: NUMBER
COURSE_SECTION_ID: VARCHAR(63)
COURSE_SECTION_SEQ: VARCHAR(255)
COURSE_SECTION_ID_SEQ: VARCHAR(255)
INSTRUCTION_DELIVERY_MODE: VARCHAR(63)
INSTRUCTION_DELIVERY_MODE_ID: VARCHAR(63)
INSTRUCTION_DELIVERY_MODE_SEQ: VARCHAR(255)
INSTRUCTION_DELIVERY_MODE_ID_SEQ: VARCHAR(255)
GRABABLE_IND: NUMBER
GRABABLE_IND_ID: VARCHAR(63)
GRABABLE_IND_SEQ: VARCHAR(255)
SECTION_CROSS_LIST: VARCHAR(63)
SECTION_CROSS_LIST_ID: VARCHAR(63)
SECTION_CROSS_LIST_SEQ: VARCHAR(255)
SECTION_CROSS_LIST_ID_SEQ: VARCHAR(255)
USER_ATTRIBUTE_01: VARCHAR(63)
USER_ATTRIBUTE_02: VARCHAR(63)
USER_ATTRIBUTE_03: VARCHAR(63)
USER_ATTRIBUTE_04: VARCHAR(63)
USER_ATTRIBUTE_05: VARCHAR(63)
USER_ATTRIBUTE_06: VARCHAR(63)
USER_ATTRIBUTE_07: VARCHAR(63)
USER_ATTRIBUTE_08: VARCHAR(63)
USER_ATTRIBUTE_09: VARCHAR(63)
USER_ATTRIBUTE_10: VARCHAR(63)
SYSTEM_LOAD_TIMESTAMP: DATE

WDT_COURSE

COURSE_IDENTITY_KEY: NUMBER
COURSE_IDENTITY_ID: VARCHAR(63)
COURSE_IDENTITY_SEQ: VARCHAR(255)
COURSE_IDENTITY_ID_SEQ: VARCHAR(255)
COURSE_TITLE_SHORT: VARCHAR(255)
COURSE_TITLE_LONG: VARCHAR(255)
COURSE_NUMBER: VARCHAR(63)
PROGRAM_CLASSIFICATION: VARCHAR(63)
PROGRAM_CLASSIFICATION_ID: VARCHAR(63)
PROGRAM_CLASSIFICATION_ID_SEQ: VARCHAR(255)
SUBJECT: VARCHAR(63)
SUBJECT_ID: VARCHAR(63)
SUBJECT_ID_SEQ: VARCHAR(255)
SUBJECT_ID_ID_SEQ: VARCHAR(255)
COURSE_LEVEL: VARCHAR(63)
COURSE_LEVEL_ID: VARCHAR(63)
COURSE_LEVEL_ID_SEQ: VARCHAR(255)
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COURSE_CAPMUS: VARCHAR(63)
COURSE_CAPMUS_ID: VARCHAR(63)
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COURSE_CAPMUS_ID_ID_SEQ: VARCHAR(255)
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COURSE_COLLEGE_ID_SEQ: VARCHAR(255)
COURSE_COLLEGE_ID_ID_SEQ: VARCHAR(255)
COURSE_DIVISION: VARCHAR(63)
COURSE_DIVISION_ID: VARCHAR(63)
COURSE_DIVISION_ID_SEQ: VARCHAR(255)
COURSE_DIVISION_ID_ID_SEQ: VARCHAR(255)
COURSE_DEPARTMENT: VARCHAR(63)
COURSE_DEPARTMENT_ID: VARCHAR(63)
COURSE_DEPARTMENT_ID_SEQ: VARCHAR(255)
COURSE_DEPARTMENT_ID_ID_SEQ: VARCHAR(255)
SCHEDULE: VARCHAR(63)
SCHEDULE_ID: VARCHAR(63)
SCHEDULE_ID_SEQ: VARCHAR(255)
SCHEDULE_ID_ID_SEQ: VARCHAR(255)
SESSION_TYPE: VARCHAR(63)
SESSION_TYPE_ID: VARCHAR(63)
SESSION_TYPE_ID_SEQ: VARCHAR(255)
CONTINUING_EDUCATION_IND: NUMBER
CONTINUING_EDUCATION_IND_ID: VARCHAR(63)
CONTINUING_EDUCATION_IND_SEQ: VARCHAR(255)
CONTINUING_EDUCATION_IND_ID_SEQ: VARCHAR(255)
COOPERATIVE_EDUCATION_IND: NUMBER
COOPERATIVE_EDUCATION_IND_ID: VARCHAR(63)
COOPERATIVE_EDUCATION_IND_SEQ: VARCHAR(255)
COOPERATIVE_EDUCATION_IND_ID_SEQ: VARCHAR(255)
USER_ATTRIBUTE_01: VARCHAR(63)
USER_ATTRIBUTE_02: VARCHAR(63)
USER_ATTRIBUTE_03: VARCHAR(63)
USER_ATTRIBUTE_04: VARCHAR(63)
USER_ATTRIBUTE_05: VARCHAR(63)
USER_ATTRIBUTE_06: VARCHAR(63)
USER_ATTRIBUTE_07: VARCHAR(63)
USER_ATTRIBUTE_08: VARCHAR(63)
USER_ATTRIBUTE_09: VARCHAR(63)
USER_ATTRIBUTE_10: VARCHAR(63)
SYSTEM_LOAD_TIMESTAMP: DATE

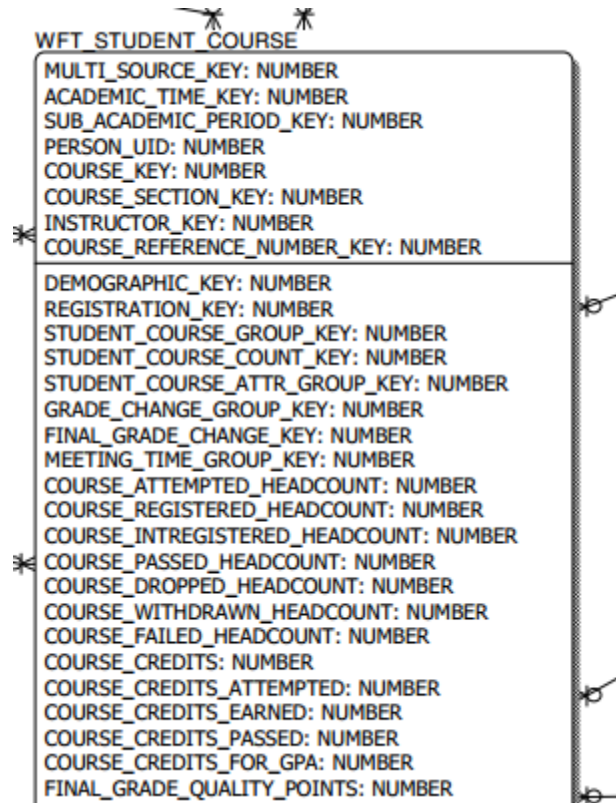
WDT_DEMOGRAPHIC

DEMOGRAPHIC_KEY: NUMBER
GENDER: VARCHAR(63)
ETHNICITY_CATEGORY: VARCHAR(63)
ETHNICITY_CATEGORY_ID: VARCHAR(63)
ETHNICITY_CATEGORY_ID_SEQ: VARCHAR(255)
ETHNICITY_CATEGORY_ID_ID_SEQ: VARCHAR(255)
HISPANIC_LATINO_ETHNICITY_IND: VARCHAR(63)
HISPANIC_LATINO_ETHNICITY_IND_ID: VARCHAR(63)
HISPANIC_LATINO_ETHNICITY_IND_SEQ: VARCHAR(255)
HISPANIC_LATINO_ETHNICITY_IND_ID_SEQ: VARCHAR(255)
NATIVE_AMERICAN_OR_ALASKAN_IND: VARCHAR(63)
NATIVE_AMERICAN_OR_ALASKAN_IND_ID: VARCHAR(63)
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NATIVE_AMERICAN_OR_ALASKAN_IND_ID_SEQ: VARCHAR(255)
BLACK_OR_AFRICAN_IND: VARCHAR(63)
BLACK_OR_AFRICAN_IND_ID: VARCHAR(63)
BLACK_OR_AFRICAN_IND_SEQ: VARCHAR(255)
BLACK_OR_AFRICAN_IND_ID_SEQ: VARCHAR(255)
PACIFIC_ISLANDER_IND: VARCHAR(63)
PACIFIC_ISLANDER_IND_ID: VARCHAR(63)
PACIFIC_ISLANDER_IND_SEQ: VARCHAR(255)
PACIFIC_ISLANDER_IND_ID_SEQ: VARCHAR(255)
WHITE_IND: VARCHAR(63)
WHITE_IND_ID: VARCHAR(63)
WHITE_IND_SEQ: VARCHAR(255)
WHITE_IND_ID_SEQ: VARCHAR(255)
HINDU_OR_MORE_IND: VARCHAR(63)
HINDU_OR_MORE_IND_ID: VARCHAR(63)
HINDU_OR_MORE_IND_SEQ: VARCHAR(255)
HINDU_OR_MORE_IND_ID_SEQ: VARCHAR(255)
NON_RESIDENT_IND: VARCHAR(63)
NON_RESIDENT_IND_ID: VARCHAR(63)
NON_RESIDENT_IND_SEQ: VARCHAR(255)
NON_RESIDENT_IND_ID_SEQ: VARCHAR(255)
RACE_ETHNICITY_UNKNOWN_IND: VARCHAR(63)
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RACE_ETHNICITY_UNKNOWN_IND_SEQ: VARCHAR(255)
RACE_ETHNICITY_UNKNOWN_IND_ID_SEQ: VARCHAR(255)
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ETHNICITY_ID_SEQ: VARCHAR(255)
ETHNICITY_ID_ID_SEQ: VARCHAR(255)
DECEASED_IND: VARCHAR(63)
DECEASED_IND_ID: VARCHAR(63)
DECEASED_IND_SEQ: VARCHAR(255)
DECEASED_IND_ID_SEQ: VARCHAR(255)
CITIZENSHIP_IND: VARCHAR(63)
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NATION_OF_BIRTH_ID_ID_SEQ: VARCHAR(255)
PRIMARY_DISABILITY: VARCHAR(63)
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LEGACY: VARCHAR(63)
LEGACY_ID: VARCHAR(63)
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LEGACY_STATUS_ID_SEQ: VARCHAR(255)
LEGACY_STATUS_ID_ID_SEQ: VARCHAR(255)
MARITAL_STATUS: VARCHAR(63)
MARITAL_STATUS_ID: VARCHAR(63)
MARITAL_STATUS_ID_SEQ: VARCHAR(255)
MARITAL_STATUS_ID_ID_SEQ: VARCHAR(255)
RELIGION: VARCHAR(63)
RELIGION_ID: VARCHAR(63)
RELIGION_ID_SEQ: VARCHAR(255)
RELIGION_ID_ID_SEQ: VARCHAR(255)
RELIGION_TYPE: VARCHAR(63)
RELIGION_TYPE_ID: VARCHAR(63)
RELIGION_TYPE_ID_SEQ: VARCHAR(255)
RELIGION_TYPE_ID_ID_SEQ: VARCHAR(255)
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VETERAN_TYPE_ID: VARCHAR(63)
VETERAN_TYPE_ID_SEQ: VARCHAR(255)
VETERAN_TYPE_ID_ID_SEQ: VARCHAR(255)
VETERAN_CATEGORY: VARCHAR(63)
VETERAN_CATEGORY_ID: VARCHAR(63)
VETERAN_CATEGORY_ID_SEQ: VARCHAR(255)
VETERAN_CATEGORY_ID_ID_SEQ: VARCHAR(255)
USER_ATTRIBUTE_01: VARCHAR(63)
USER_ATTRIBUTE_02: VARCHAR(63)
USER_ATTRIBUTE_03: VARCHAR(63)
USER_ATTRIBUTE_04: VARCHAR(63)
USER_ATTRIBUTE_05: VARCHAR(63)
USER_ATTRIBUTE_06: VARCHAR(63)
USER_ATTRIBUTE_07: VARCHAR(63)
USER_ATTRIBUTE_08: VARCHAR(63)
USER_ATTRIBUTE_09: VARCHAR(63)
USER_ATTRIBUTE_10: VARCHAR(63)
SYSTEM_LOAD_TIMESTAMP: DATE

Fact Granularity: Academic Period, Sub Academic Period, Person UID, Course, Section, Course Reference Number



EDW – Fact Table





EDW – Dimension Table

WDT_DEMOGRAPHIC

| DEMOGRAPHIC_KEY: NUMBER |
|--|
| GENDER: VARCHAR2(63) |
| GENDER_SD: VARCHAR2(255) |
| GENDER_LD: VARCHAR2(255) |
| ETHNICITY_CATEGORY: VARCHAR2(63) |
| ETHNICITY_CATEGORY_SD: VARCHAR2(255) |
| ETHNICITY_CATEGORY_LD: VARCHAR2(255) |
| HISPANIC_LATINO_ETHNICITY_IND: VARCHAR2(63) |
| ASIAN_IND: VARCHAR2(63) |
| NATIVE_AMERICAN_OR_ALASKAN_IND: VARCHAR2(63) |
| BLACK_OR_AFRICAN_IND: VARCHAR2(63) |
| PACIFIC_ISLANDER_IND: VARCHAR2(63) |
| WHITE_IND: VARCHAR2(63) |
| TWO_OR_MORE_IND: VARCHAR2(63) |
| NON_RESIDENT_IND: VARCHAR2(63) |
| RACE_ETHNICITY_UNKNOWN_IND: VARCHAR2(63) |
| RACE_ETHNICITY_CONFIRM_IND: VARCHAR2(63) |
| MINORITY_IND: VARCHAR2(63) |
| ETHNICITY: VARCHAR2(63) |
| ETHNICITY_SD: VARCHAR2(255) |
| ETHNICITY_LD: VARCHAR2(255) |
| DECEASED_IND: VARCHAR2(63) |
| CITIZENSHIP_IND: VARCHAR2(63) |
| CITIZENSHIP_TYPE: VARCHAR2(63) |
| CITIZENSHIP_TYPE_SD: VARCHAR2(255) |
| CITIZENSHIP_TYPE_LD: VARCHAR2(255) |
| VISA_TYPE: VARCHAR2(63) |
| VISA_TYPE_SD: VARCHAR2(255) |
| VISA_TYPE_LD: VARCHAR2(255) |
| NATION_OF_CITIZENSHIP: VARCHAR2(63) |
| NATION_OF_CITIZENSHIP_SD: VARCHAR2(255) |
| NATION_OF_CITIZENSHIP_LD: VARCHAR2(255) |
| NATION_OF_BIRTH: VARCHAR2(63) |
| NATION_OF_BIRTH_SD: VARCHAR2(255) |
| NATION_OF_BIRTH_LD: VARCHAR2(255) |
| PRIMARY_DISABILITY: VARCHAR2(63) |
| PRIMARY_DISABILITY_SD: VARCHAR2(255) |
| PRIMARY_DISABILITY_LD: VARCHAR2(255) |



EDW – Fact / Dimensional Model

Fact Table

| WH_ID | Demo_Key |
|-------|----------|
| 1 | D19i38 |
| 2 | D19i38 |
| 3 | D19i38 |

New 'Snapshots' result in primarily new Fact Table rows. Only new 'combinations' of dimensions get added to the Dimension Table.

Demographics Dimension

| Key | Ethnicity | Gender | Marital | ... |
|--------|-----------|--------|---------|-----|
| D19i38 | Caucasian | M | S | ... |
| D19i39 | Caucasian | M | M | ... |
| D19i40 | Caucasian | F | M | ... |



Why an EDW?

- Ease of Reporting
- Point in Time Captures
- Reporting Over time Efficiency
Star Schemas VS Traditional Tables
- Kinds of questions



Main Topics

- Why an EDW?
- **Setting up the EDW**
- **Evaluating the EDW requirements**
- **Implementing the EDW**
- Tips and Tricks
- Awesome Appendix Reference!



The Check List

Setting up

- ☐ Install
- ☐ Basic Parameters

Evaluating

- ☐ Identify Stars
- ☐ Evaluate needed fields
- ☐ Identify Supplemental Data

Implement

- ☐ Add Custom Fields
- ☐ Create Event Schedule
- ☐ Import Events



Setting up the EDW

- ✓ Install Software
 - Help from Ellucian (AL)
 - Install Test instance of EDW
 - EDW DB Components
 - Admin UI
 - OWB Mappings



Setting up the EDW

- ✓ Basic Parameter Setup
 - EDW Extract Parameter Mappings
(Nation Code/Institution Name/Level Codes/Etc)
 - Cleansing Values



The Check List

Setting up

- ✓ Install
- ✓ Basic Parameters

Evaluating

- ☐ Identify Stars
- ☐ Evaluate needed fields
- ☐ Identify Supplemental Data

Implement

- ☐ Add Custom Fields
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- ☐ Import Events



Evaluating

- ✓ Identify Stars
 - Run a Snapshot
 - Create support Resources
 - Reporting tools help
 - Evaluate Data With Users
 - Use the ERD



TIP: Implement as many as possible!



Evaluating Fields

- ✓ Identify Needed/Missing Fields
 - There are 5 available USER fields per Fact or Dimension Table
 - Dimension tables are SHARED across stars.



Supplemental Data

- ✓ Identify Supplemental data
 - Custom Tables
 - Custom Views
 - Operational Stars



EDW Snapshot Mappings Job

UGA decided on 9 Stars to start.

Schedule Banner EDW Snapshot Mappings - Parallel

- Snapshot Academic Program Course Star
- Snapshot Advancement Giving Star
- Snapshot Course Registration Star
- Snapshot Employee Star
- Snapshot Employee Degree Star
- Snapshot Employee Position Star
- Snapshot Employment Application Star
- Snapshot Enrollment Star
- Snapshot Financial Aid Pre Student Star
- Snapshot Financial Aid Student Star
- Snapshot General Ledger Star
- Snapshot Graduation Completion Star
- Snapshot Grant and Project Star
- Snapshot Operating Ledger Star
- Snapshot Receivable Customer Star
- Snapshot Receivable Revenue Star
- Snapshot Recruiting and Admissions Star



The Check List

Setting up

- ✓ Install
- ✓ Basic Parameters

Evaluating

- ✓ Identify Stars
- ✓ Evaluate needed fields
- ✓ Identify Supplemental Data

Implement

- ☐ Add Custom Fields
- ☐ Create Event Schedule
- ☐ Import Events



Custom Fields



✓ Implement Custom Fields

- EXTR_Scripts



TIP: Do counts BEFORE and AFTER

- Cleansing rules for Custom Fields.



TIP: Piggy back on Banner Validation
Tables (Dim only)



Custom Fields



EXTR_Scripts

Oracle SQL Developer : Package Body EDWSTG.EDW_REC_ADMS_EXTR_EXAMPLE Body@IA_ADMIN-ODST

File Edit View Navigate Run Source Team Tools Window Help

Connections Find Database Object

EDWSTG

- Tables
- Views
- Editing Views
- Indexes
- Packages (Filtered)
 - EDW_REC_ADMS_EXTR
 - EDW_REC_ADMS_EXTR_BASE
 - EDW_REC_ADMS_EXTR_EXAMPLE
 - EDW_REC_ADMS_EXTR_EXAMPLE Body
 - f_get_recruiting_admission
 - tab_rec_adms_extr

- Procedures
- Functions
- Queues
- Queues Tables
- Triggers
- Crossedition Triggers
- Types
- Sequences
- Materialized Views
- Materialized View Logs
- Synonyms
- Database Links
- Directories
- Editors

Code Errors Dependencies Details Grants Profiles References

```
1 create or replace PACKAGE BODY          edw_rec_adms_extr_example IS
2
3
4 FUNCTION f_get_recruiting_admission(event_in VARCHAR2,
5                                     academic_period_in VARCHAR2,
6                                     student_level_group_in VARCHAR2,
7                                     multi_source_group_in VARCHAR2)
8 RETURN tab_rec_adms_extr PIPELINED IS
9
10 ret_row                                WTT_RECRUITING_ADMISSION_INPUT%ROWTYPE;
11 ret_row_init                          WTT_RECRUITING_ADMISSION_INPUT%ROWTYPE;
12
13 dummy                                VARCHAR2(255);
14 mif_cleanse_value                     VARCHAR2(255);
15 null_cleanse_value                   VARCHAR2(255);
16 zero_cleanse_value                   VARCHAR2(255);
17 event_date_value                     DATE := SYSDATE;
18 pre_stud_rec                         MST_PRE_STUDENT%ROWTYPE;
19 pre_stud_rec_init                    MST_PRE_STUDENT%ROWTYPE;
20 pers_demo_rec                        EDW_GENERAL_EXTR.GET_PERSON_DEMO%ROWTYPE;
21 pers_demo_rec_init                  EDW_GENERAL_EXTR.GET_PERSON_DEMO%ROWTYPE;
22 race_rec                             EDW_GENERAL_EXTR.GET_RACE%ROWTYPE;
23 race_rec_init                       EDW_GENERAL_EXTR.GET_RACE%ROWTYPE;
24 visa_rec                             MST_VISA%ROWTYPE;
25 visa_rec_init                       MST_VISA%ROWTYPE;
```



Event Schedule

✓ Create Event Schedule

Gather key dates and
parameters from users



💡 TIP: Gather for future terms as well!



Event Schedule

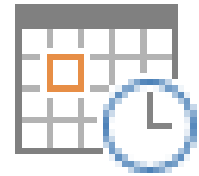
Spreadsheet template for gathering EDW Dates and Descriptions

| | | | | | | |
|-----|-------------------------|-------------------------|-----------------|----------------------|----------------------|---------------------------------|
| B37 | | | | MT ADC 1 Census Date | | |
| | A | B | C | D | E | F |
| 1 | Registration/Enrollment | | | | Graduation | |
| 2 | 201602 - Spring 2016 | | | | 201602 - Spring 2016 | |
| 3 | Date | Event/Short Description | Academic Period | | Date | Event/Short Description |
| 4 | 11/6/2015 | Registration Start | | | 11/6/2015 | Graduation Applications Open |
| 5 | 11/7/2015 | ticketed registration | | | | November 15 |
| 6 | 11/8/2015 | ticketed registration | | | | December 1 |
| 7 | 11/9/2015 | ticketed registration | | | | December 15 |
| 8 | 11/10/2015 | ticketed registration | | | | January 1 |
| 9 | 11/11/2015 | ticketed registration | | | | January 15 |
| 10 | 11/12/2015 | ticketed registration | | | | February 1 |
| 11 | 11/13/2015 | ticketed registration | | | | February 2 |
| 12 | 11/14/2015 | ticketed registration | | | | March 1 |
| 13 | 11/15/2015 | ticketed registration | | | | March 15 |
| 14 | 11/16/2015 | ticketed registration | | | 5/1/2016 | Commencement Program Due Date |
| 15 | 11/17/2015 | ticketed registration | | | 5/16/2016 | Cleared to Graduate by colleges |
| 16 | 11/18/2015 | ticketed registration | | | 5/23/2016 | Graduate Week 1 |
| 17 | 11/19/2015 | ticketed registration | | | n/a | Graduate Week 2 |
| 18 | 11/20/2015 | ticketed registration | | | 5/27/2016 | Graduation Clearance Deadline |
| 19 | 11/21/2015 | ticketed registration | | | 5/31/2016 | Degrees Awarded by Registrar |
| 20 | 11/22/2015 | ticketed registration | | | 7/1/2016 | Final Academic Period |
| 21 | | December 1 | | | | |
| 22 | 12/9/2015 | Fee Assessment Begins | | | | |
| 23 | | December 15 | | | | |



Import Event Schedule

- ✓ Import the Event Schedule
 - Event Cleansing Rules
 - Events Themselves



TIP: Capture all stars with every snapshot date.



Import Event Schedule (Cleansing)

Spreadsheet template for building cleansing rules for valid events.
See Appendix for How To.

| | | | | |
|------|---|--------------------------------|-------------------------------------|---|
| C125 | | | | |
| | A | B | C | E |
| 1 | Snapshot Event: EVENT ENROLLMENT | | | |
| 2 | | | | |
| 3 | Cleansing Rule Values | | | |
| 4 | EDW Val | Long Description | Event/Short Description | |
| 5 | REG099 | 99 Current | Current | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG099' W_VALUE, '99 Current' LONG_DES |
| 6 | REG010 | 010 Registration Start | Registration Start | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG010' W_VALUE, '010 Registration Start' I |
| 7 | REG011 | 011 Ticketed Registration | Ticketed Registration | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG011' W_VALUE, '011 Ticketed Registrati |
| 8 | REG040 | 040 Fee Assessment Begins | Fee Assessment Begins | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG040' W_VALUE, '040 Fee Assessment E |
| 9 | REG060 | 060 Payment Deadline 1 | Payment Deadline 1 | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG060' W_VALUE, '060 Payment Deadline |
| 10 | REG070 | 070 Payment Deadline 2 | Payment Deadline 2 | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG070' W_VALUE, '070 Payment Deadline |
| 11 | REG075 | 075 1 Day Before Classes Start | 1 Day Before Classes Start | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG075' W_VALUE, '075 1 Day Before Class |
| 12 | REG080 | 080 Classes Start | Classes Start | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG080' W_VALUE, '080 Classes Start' LON |
| 13 | REG081 | 081 DropAdd Period Classes Sta | DropAdd Period Classes Start | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG081' W_VALUE, '081 DropAdd Period Cl |
| 14 | REG082 | 082 Drop Add Period | Drop Add Period | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG082' W_VALUE, '082 Drop Add Period' L |
| 15 | REG085 | 085 Add Drop End Date | Add Drop End Date | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG085' W_VALUE, '085 Add Drop End Date |
| 16 | REG086 | 086 Withdrawal Period Begins | Withdrawal Period Begins | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG086' W_VALUE, '086 Withdrawal Period |
| 17 | REG090 | 090 Drop for Non Payment | Drop for Non Payment | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG090' W_VALUE, '090 Drop for Non Paym |
| 18 | REG095 | 095 Reinstatement Date | Reinstatement Date | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG095' W_VALUE, '095 Reinstatement Dat |
| 19 | REG100 | 100 Census 1 | Census 1 | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG100' W_VALUE, '100 Census 1' LONG_I |
| 20 | REG105 | 105 Midterm Release Date | Midterm Release Date | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG105' W_VALUE, '105 Midterm Release C |
| 21 | REG110 | 110 Withdraw End | Withdraw End | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG110' W_VALUE, '110 Withdraw End' EOL |
| 22 | REG115 | 115 PTRM PC3 Withdraw End | PTRM PC3 Withdraw End | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG115' W_VALUE, '115 PTRM PC3 Withdr |
| 23 | REG120 | 120 PTRM EM3 Withdraw End | PTRM EM3 Withdraw End | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG120' W_VALUE, '120 PTRM EM3 Withdr |
| 24 | REG125 | 125 PTRM PC4 Withdraw End | PTRM PC4 Withdraw End | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG125' W_VALUE, '125 PTRM PC4 Withdr |
| 25 | REG126 | 126 PTRM S2 Withdraw End | PTRM S2 Withdraw End | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG126' W_VALUE, '126 PTRM S2 Withdrav |
| 26 | REG130 | 130 Last Day of Classes | Last Day of Classes | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG130' W_VALUE, '130 Last Day of Classe |
| 27 | REG135 | 135 Last Day of Finals | Last Day of Finals | SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG135' W_VALUE, '135 Last Day of Finals' |



Import Event Schedule

Spreadsheet for importing EDW Snapshot Schedule into
Course Registration snapshot star (See Appendix)

Course Registration Import CSV File - Weekly Snapshots - Fall 2016 - for import - EDWPROD - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW

Seema Metikurke

A1 :

| | A | B | C | D | E | F | G | H | I | J | |
|----|--------|---------------|------------|----------|------------------|----------------------------------|-------------|--------------------|-----------|---------------------|-----------------|
| 1 | JOBDEF | CSV_DATE | TIME | INTERVAL | PROCESS | SUBPROCESS | DATA_SOURCE | SOURCE_INSTITUTION | CSV_EVENT | CSV ACADEMIC PERIOD | Replace Event (|
| 2 | JOB | '30-AUG-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG565' | '201608' | 'N' |
| 3 | JOB | '06-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG570' | '201608' | 'N' |
| 4 | JOB | '13-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG575' | '201608' | 'N' |
| 5 | JOB | '20-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG580' | '201608' | 'N' |
| 6 | JOB | '27-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG585' | '201608' | 'N' |
| 7 | JOB | '04-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG590' | '201608' | 'N' |
| 8 | JOB | '11-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG595' | '201608' | 'N' |
| 9 | JOB | '18-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG600' | '201608' | 'N' |
| 10 | JOB | '25-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG605' | '201608' | 'N' |
| 11 | JOB | '01-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG610' | '201608' | 'N' |
| 12 | JOB | '08-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG615' | '201608' | 'N' |
| 13 | JOB | '15-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG620' | '201608' | 'N' |
| 14 | JOB | '22-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG625' | '201608' | 'N' |
| 15 | JOB | '29-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG630' | '201608' | 'N' |

Course Registration Import CSV

READY

100%



The Check List



Implementer

- ✓ Add Customer
- ✓ Create Event Series
- ✓ Import Events



Main Topics

- Why an EDW?
- Setting up the EDW
- Evaluating the EDW requirements
- Implementing the EDW
- **Tips and Tricks**
- Awesome Appendix Reference!



#10: Tips and Tricks

Load Prior terms sample data into identified stars

| Run Date | Job Number | Process | Status |
|-----------------------|------------|---------------------------|---------|
| Aug 24, 2015 03:57 pm | 14095 | LOAD_EDW_FINAID_STUDENT-P | Warning |

< Previous Report | Select a Report | Next Report >

| Procedure | Message |
|---|---|
| | Start of Process at 24-AUG-2015 15:57:44 |
| | Session set to Resumable, timeout = 3 days (259200) |
| | Process parameters are: MULTI_SOURCE_GROUP_IN = UGA EVENT_IN = FA099 ACADEMIC_PERIOD_IN = 201508 REPLACE_IND_IN = Y |
| | Processing ETL Group (1): LOAD_EDW_FINAID_STUDENT-P |
| | Processing ETL Group (2): LOAD_EDW_FINAID_STUDENT-1 |
| ETL Group: LOAD_EDW_FINAID_STUDENT-1 | Processing ETL Group Pre-Mapping Packages. |
| | Running map package: EDW_DIM_WAREHOUSE_ENTITY |
| EDW_DIM_WAREHOUSE_ENTITY | Location: STAGE_FINAID_STUD |
| EDW_DIM_WAREHOUSE_ENTITY | Retaining ETL Temp table data for Star: |
| EDW_DIM_WAREHOUSE_ENTITY | OWB Audit Execution ID: 3083480 |
| EDW_DIM_WAREHOUSE_ENTITY | Mapping completed successfully at: 24-AUG-2015 15:57:57 |
| EDW_DIM_WAREHOUSE_ENTITY | Elapsed time: 13 seconds |
| EDW_DIM_WAREHOUSE_ENTITY | Selected: 711252 -- Inserted: 0 -- Updated: 0 -- Deleted: 0 -- Discarded: 0 -- Merged: 711252 -- Corrected: 0 |
| | Running map package: EDW_FA_STU_INPUT |
| | Custom parameters are: REPLACE_IND_IN=>'Y', MULTI_SOURCE_GROUP_IN=>'UGA', ACADEMIC_PERIOD_IN=>'201508', EVENT_IN=>'FA099' |
| EDW_FA_STU_INPUT | Location: STAGE_FINAID_STUD |
| EDW_FA_STU_INPUT | OWB Audit Execution ID: 3083494 |
| EDW_FA_STU_INPUT | Mapping completed successfully at: 24-AUG-2015 16:01:22 |
| EDW_FA_STU_INPUT | Elapsed time: 200 seconds (3m 20s) |
| EDW_FA_STU_INPUT | Selected: 96607 -- Inserted: 96607 -- Updated: 0 -- Deleted: 0 -- Discarded: 0 -- Merged: 0 -- Corrected: 0 |
| | Running map package: EDW_FA_STU_CLEAN |
| | Custom parameters are: IA_JOBNUM=>'14095', IA_PROCESS=>'EDW_FA_STU_CLEAN' |
| EDW_FA_STU_CLEAN | Location: STAGE_FINAID_STUD |
| EDW_FA_STU_CLEAN | Data Cleansing starting at: 24-AUG-2015 16:01:23 |
| EDW_FA_STU_CLEAN | Performing cleansing in mass update mode. |
| EDW_FA_STU_CLEAN | Loaded 96607 rows in the WTT_FINAID_STUDENT_CLEAN table. |
| EDW_FA_STU_CLEAN | Analyzing table: WTT_FINAID_STUDENT_CLEAN at: 24-AUG-2015 16:01:54 |
| EDW_FA_STU_CLEAN | Warning: Number of Data Cleansing errors encountered: 13 |
| EDW_FA_STU_CLEAN | ** Data Element GENDER needs a rule defined for value: X ** |
| EDW_FA_STU_CLEAN | Data Cleansing completed with warnings at: 24-AUG-2015 16:01:59 |



#9: Tips and Tricks

Run operational mappings immediately after ODS nightly refresh

UGA - ODSPROD

[Preferences & Security](#) [Options](#) [Meta Data](#) [Staging](#) [New Web Tailor Administration](#)

Search

[RETURN TO OPTIONS](#) [SITE MAP](#) [HELP](#) [EXIT](#)

Select a Parameter

Click a Description in the table below to select the Parameter you want to update or delete, or change the search criteria and click Search.

- Show All Internal Groups - - Show All Internal Codes 2-

[Cascade >](#)

[< Cascade](#)

[< Cascade](#)

| Internal Group | Internal Code 1 | Internal Code 2 | Internal Code Sequence | External Code | Description |
|----------------------------|-----------------|---|------------------------|--|---|
| ETL PACKAGE | REFRESH_ALL-P-W | POST | | 1 MGKMAP.P_REFRESHMATVIEWS | Materialized View refresh package for all views |
| ETL PACKAGE | REFRESH_ALL-P-W | PRE | | 1 MGKMAP.P_REFRESHSTAGINGMVIEWS('REFRESH_STUDENT') | Refresh Student Staging Mviews |
| STAGING REFRESH COLLECTION | REFRESH_ALL-P-W | REFGROUP | | 1 ODS_REFGROUP_SATURN | Student Refresh Group |
| STAGING REFRESH COLLECTION | REFRESH_ALL-P-W | REFGROUP | | 1 ODS_REFGROUP_SATURN_VAL | Student Validation Refresh Group |
| ETL CONTROL GROUP | REFRESH_ALL-P-W | REFRESH_ALL-P-W-1 [Groups] | | 1 Y | Load/Refresh ODS Jobs in Parallel Wide mode |
| ETL CONTROL GROUP | REFRESH_ALL-P-W | LOAD_DEFAULT_CLEANSING [Maps/Pkgs] | | 2 Y | Load all default cleansing values |
| ETL CONTROL GROUP | REFRESH_ALL-P-W | LOAD_EDW_DIM_WAREHOUSE_ENTITY [Maps] | | 3 Y | Load the Warehouse Entity Dimension |
| ETL CONTROL GROUP | REFRESH_ALL-P-W | LOAD_EDW_DIM_INDICATOR [Maps] | | 4 Y | Load the Indicator Dimension |
| ETL CONTROL GROUP | REFRESH_ALL-P-W | LOAD_EDW_INSTITUTION-P [Groups] | | 5 Y | Load the Institution Operational Star |

[\[Create a New Parameter \]](#) [\[Set Up a Parameter \]](#)

RELEASE: BANNERODS 8.5.0 / BANNEREDW 8.4.4



#8: Tips and Tricks

FUTURE: Unified Event Schedule

- **PROBLEM**

- Overlapping event schedule list
- Track multiple events on the same day, leading to duplicate copies of same data.

- **PROPOSED SOLUTION**

- Cross-walk table that tracks Day of the event, Module, Name of the event
- Maintenance of cleansing rules is easier.
- If 2 or more events overlap, capture snapshot data only once



#7: Tips and Trick



Stagger your Snapshots

- Warehouse Entity Dimension ETL step breaks Parallelism.

BEFORE:

| | | | | | | |
|--------------------------|--------------|----------|-------|--------------------------------|---|----------|
| <input type="checkbox"/> | May 02, 2015 | 04:00 am | 25308 | LOAD_EDW_ACAD_PROG_COURSE-P | 1 | Error |
| <input type="checkbox"/> | May 02, 2015 | 04:00 am | 19361 | LOAD_EDW_ENROLLMENT-P | 1 | Complete |
| <input type="checkbox"/> | May 02, 2015 | 04:00 am | 25335 | LOAD_EDW_COURSE_REGISTRATION-P | 1 | Error |
| <input type="checkbox"/> | May 02, 2015 | 04:00 am | 25382 | LOAD_EDW_GRAD_COMPLETION-P | 1 | Error |

AFTER:

| | | | | | | |
|--------------------------|--------------|----------|--------|--------------------------------|----------|----------|
| <input type="checkbox"/> | May 28, 2016 | 11:00 am | 105186 | LOAD_EDW_RECRUIT_ADMISSIONS-P | SEEMAMS8 | Complete |
| <input type="checkbox"/> | May 28, 2016 | 10:15 am | 105185 | LOAD_EDW_RECEIVABLE_REVENUE-P | SEEMAMS8 | Complete |
| <input type="checkbox"/> | May 28, 2016 | 10:00 am | 105184 | LOAD_EDW_RECEIVABLE_CUSTOMER-P | SEEMAMS8 | Complete |
| <input type="checkbox"/> | May 28, 2016 | 09:00 am | 105183 | LOAD_EDW_FINAID_STUDENT-P | SEEMAMS8 | Complete |
| <input type="checkbox"/> | May 28, 2016 | 08:26 am | 67039 | LOAD_EDW_GRAD_COMPLETION-P | 1 | Complete |



#6: Tips and Tricks

Collect Sizings

```
SELECT OWNER,TABLESPACE_NAME,SEGMENT_NAME,SEGMENT_TYPE,  
sum(bytes)/1024/1024/1024 "Total in GB",  
sum(bytes)/1024/1024 "Total in MB",  
sum(bytes)/1024 "Total in KB" ,  
SYSDATE  
FROM DBA_SEGMENTS  
WHERE OWNER= 'EDWMGR'  
AND SEGMENT_TYPE = 'TABLE'  
GROUP BY OWNER,TABLESPACE_NAME,SEGMENT_NAME,SEGMENT_TYPE  
ORDER BY 5 DESC;
```




#5: Tips and Tricks

Collect timings from Control Reports

| Run Date | Job Number | Process | Status |
|-----------------------|------------|-------------------------------|----------|
| Sep 07, 2016 10:21 am | 115957 | LOAD_EDW_RECEIVABLE_REVENUE-P | Complete |

[Show Details](#)
[Delete Report](#)
[CSV Summary](#)

[<- Previous Report |](#)
[Select a Report](#)
[| Next Report->](#)

| Procedure | Message |
|------------------------------------|---|
| EDW_DIM_WAREHOUSE_ENTITY | Elapsed time: 20 seconds |
| EDW_AR_REV_INPUT | Elapsed time: 414 seconds (6m 54s) |
| EDW_AR_REV_CLEAN | Elapsed time: 223 seconds (3m 43s) |
| (P)> EDW_AR_REV_DIM_TIME | Elapsed time: 18 seconds |
| (P)> EDW_AR_REV_DIM_MULTI_SOURCE | ETL Group: LOAD_EDW_RECEIVABLE_REVENUE-3 Processing ETL Group Post-Mapping/Slot Packages. |
| (P)> EDW_AR_REV_DIM_ACC_RECEIVABLE | Process completed successfully at 07-SEP-2016 10:33:31 |
| (P)> EDW_AR_REV_DIM_CHART | End of Report |
| (P)> EDW_AR_REV_DIM_FUND | <div>Reschedule Process</div> |
| (P)> EDW_AR_REV_DIM_ORGANIZATION | |
| (P)> EDW_AR_REV_DIM_ACCOUNT | |
| (P)> EDW_AR_REV_DIM_PROGRAM | |
| EDW_AR_REV_WKEYS | |
| EDW_AR_REV_FACT_DELETE | Process completed successfully at 07-SEP-2016 10:32:31 |
| EDW_AR_REV_FACT_INSERT | Elapsed time: 8 seconds |
| | Process completed successfully at 07-SEP-2016 10:32:31 |
| | Elapsed time: 21 seconds |
| | Process completed successfully at 07-SEP-2016 10:33:23 |
| | Elapsed time: 0 seconds |
| | Elapsed time: 7 seconds |
| | Process completed successfully at 07-SEP-2016 10:33:31 |
| | End of Report |

Job Duration: 12 minutes.

[<- Previous Report |](#)
[Next Report->](#)

Reschedule Process

Reschedule Process



#4: Tips and Tricks

Supplementing with selective ODS freezes

- USGQUEST (Academic Data Collection)
- Student_Attribute

| Select | Run Date ▾ | Job Number | Process | UserID ▾ | Status ▾ |
|--------------------------|-----------------------|------------|--|----------|----------|
| <input type="checkbox"/> | Aug 12, 2016 10:27 am | 131087 | FREEZE_STDNT_ATTRIBUTE | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 12, 2016 09:46 am | 131086 | FREEZE_UGARPTVMINICEN5 | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 06, 2016 12:00 pm | 122407 | FREEZE_STDNT_ATTRIBUTE | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Jul 16, 2016 11:20 am | 122388 | FREEZE_STDNT_ATTRIBUTE | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Jul 09, 2016 07:30 am | 118852 | FREEZE_STDNT_ATTRIBUTE | JTONG | Complete |
| <input type="checkbox"/> | Jul 09, 2016 07:00 am | 118851 | FREEZE_UGARPTVMINICEN5 | JTONG | Warning |
| <input type="checkbox"/> | May 19, 2016 07:40 pm | 102353 | FREEZE_UGARPTVMINICEN5 | SEEMAMS8 | Warning |
| <input type="checkbox"/> | May 19, 2016 07:30 pm | 102324 | FREEZE_STDNT_ATTRIBUTE | SEEMAMS8 | Complete |

[ODS_ADMSTU_EDPREP_CURR_MIMIC](#)
[ODS_ADMSTU_EDPREP_PRAC_MIMIC](#)
[ODS_ADMSTU_EDPREP_PROG_MIMIC](#)
[ODS_ADMSTU_EDPREP_PSC_MIMIC](#)
[ODS_ADMSTU_ENR_ADDRESS_MIMIC](#)
[ODS_ADMSTU_ENR_CUM_MIMIC](#)
[ODS_ADMSTU_ENR_MATRIC_MIMIC](#)
[ODS_ADMSTU_ENR_REQ_MIMIC](#)
[ODS_ADMSTU_FEE_CLASS_MIMIC](#)
[ODS_ADMSTU_MILITARY_MIMIC](#)
[ODS_ADMSTU_PROG_ENROLL_MIMIC](#)
[ODS_ADMSTU_REG_CPC_MIMIC](#)
[ODS_ADMSTU_STE_ATTR_MIMIC](#)
[ODS_ADMSTU_TEST_RESULTS_MIMIC](#)
[ODS_ADMSTU_TRANSFER_MIMIC](#)
[ODS_ADM_CURRTRM_STUDENT](#)
[ODS_ADM_EXEC_PARAMETERS](#)
[ODS_ADM_INST_EXTRACT_LOG](#)
[ODS_ADM_INST_INSTALL_LOG](#)
[ODS_ADM_PREVTRM_STUDENT](#)
[ODS_COLLEGE_BOARD_TRANSLATE](#)
[ODS_EDPREP_STUDENT](#)
[ODS_FICE_CODE_TRANSLATION](#)
[AWARD_BY_PERSON](#)
[GOVERNMENT_FA_FUND](#)
[GOVERNMENT_FINANCIAL_AID](#)
[ODS_ADMCRS_CATALOG_MIMIC](#)
[ODS_ADMCRS_CLS_SESSION_MIMIC](#)
[ODS_ADMCRS_ENROLL_MIMIC](#)
[ODS_ADMCRS_FACULTY_MIMIC](#)
[ODS_ADMCRS_GRADE_MIMIC](#)
[ODS_ADMCRS_SECTION_MIMIC](#)
[ODS_ADMGRAD_ADDRESS_MIMIC](#)



#3: Tips and Tricks

Establish a 'black out' window

A 'No Reporting' Time Zone

- Allows for a safe window for patching and troubleshooting.
- Prevents reporting before data refresh is complete.





#2: Tips and Tricks

Creating a CURRENT Event that is common across all stars

Schedule a Process

To submit this subprocess to the job queue, fill in the information below, then click Submit.

* - indicates a required field.

**Schedule Banner EDW Snapshot Mappings - Parallel
Snapshot Enrollment Star**

Process to Schedule

Process Parameters

Source Institution:*

University of Georgia of Athens Georgia ▾

Event:*

EOT ADC 2 Due Date ▾

Academic Period:*

**Replace Event (Check for
'Yes'):***

PTRM S2 Withdraw End
 PTRM PC4 Withdraw End
 PTRM EM3 Withdraw End
 PTRM PC3 Withdraw End
 Withdraw End
 Midterm Release Date
 Census 1
 Current
 Reinstatement Date
 Drop for Non Payment
 Withdrawal Period Begins
 Add Drop End Date
 Drop Add Period
 Drop Add Period Classes Start
 Classes Start
 1 Day Before Classes Start
 Payment Deadline 2
 Payment Deadline 1

To schedule this job to run immediately

Run Date (DD-MON-YYYY):

*

Run Time (hh24:mi:ss):*

Interval:

Submit

Reset All Fields

Export

W" into the Run Date and Run Time fields.

Scheduling Parameters

Select An Interval



#1: Tips and Tricks


Replace Indicator



Select and View Scheduled Processes

Current Date: 02-SEP-2016 16:05:04

Select All | Deselect All

| Delete | Job | Next Run Date  | Interval | Job To Run |
|--------------------------|-----------------------------|---|----------|--|
| <input type="checkbox"/> | 115915 Edit | 01-OCT-16-10:00:00 | → null | mgkmap.P_RunETLMapSlotsForGroups(1,JOB,'LOAD_EDW_RECEIVABLE_CUSTOMER-P',NULL, 'MULTI_SOURCE_GROUP_IN = UGA EVENT_IN = AR055 ACADEMIC_PERIOD_IN = 201608 REPLACE_IND_IN = N'); |
| <input type="checkbox"/> | 115960 Edit | 01-OCT-16-10:21:00 | null | mgkmap.P_RunETLMapSlotsForGroups(1,JOB,'LOAD_EDW_RECEIVABLE_REVENUE-P',NULL, 'MULTI_SOURCE_GROUP_IN = UGA EVENT_IN = AR055 ACADEMIC_PERIOD_IN = 201608 REPLACE_IND_IN = N'); |
| <input type="checkbox"/> | 133436 Edit | 01-OCT-16-10:40:00 | → null | mgkmap.P_RunETLMapSlotsForGroups(5,JOB,'LOAD_EDW_RECEIVABLE_CUSTOMER-P',NULL, 'MULTI_SOURCE_GROUP_IN = UGA EVENT_IN = AR555 ACADEMIC_PERIOD_IN = 201608 REPLACE_IND_IN = N'); |
| <input type="checkbox"/> | 133437 Edit | 01-OCT-16-11:00:00 | null | mgkmap.P_RunETLMapSlotsForGroups(5,JOB,'LOAD_EDW_RECEIVABLE_REVENUE-P',NULL, 'MULTI_SOURCE_GROUP_IN = UGA EVENT_IN = AR555 ACADEMIC_PERIOD_IN = 201608 REPLACE_IND_IN = N'); |

Insert Picture of checkbox.

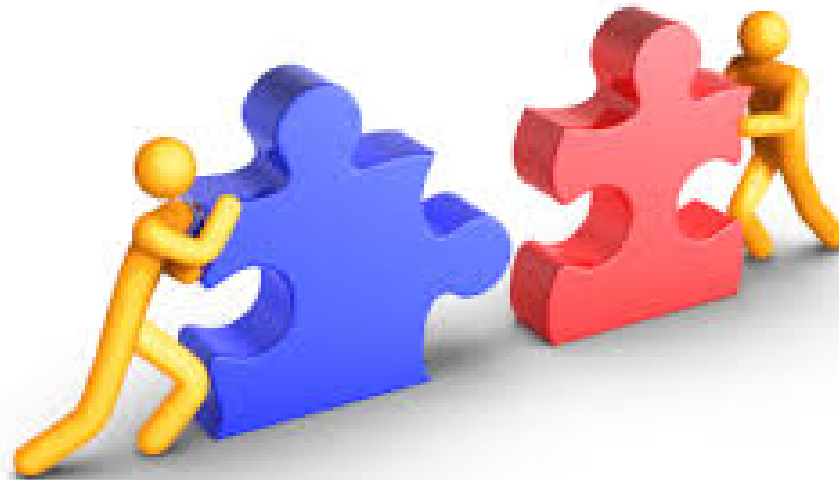


Main Topics

- Why an EDW?
- Setting up the EDW
- Evaluating the EDW requirements
- Implementing the EDW
- Tips and Tricks
- **Seema's Awesome Appendix Reference!**



Q/A and Forum Discussion





Thank You!

Implementing the Ellucian EDW



Seema Metikurke

SEEMAMS8@UGA.EDU

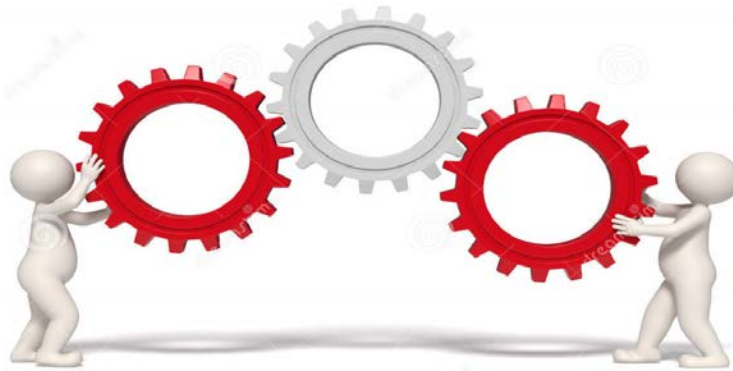
John Tong

JTONG@UGA.EDU



Main Topics

Seema's Awesome Appendix Reference!





Ad-hoc Snapshot

Ad-hoc Snapshots (one off)

1. Note the event date and description
 - Set up a Cleansing rule for that event description if there isn't one
2. Take snapshots of all identified stars for a given event

List Events for a Banner EDW Star

To view the Events loaded for a Banner EDW Star, select that Star and click List Events.

Banner EDW Star: Academic Program Course Star

☐ Show SQL

| # Rows | Event <input type="checkbox"/> | Date Loaded | Multi Source Qualifier | Academic Period | Acad Yr Last Event Ind |
|--------|--|----------------------|------------------------|-----------------|------------------------|
| 217283 | REG565 - 565 August 29 Weekly | 30-Aug-2016 07:00:28 | UGA | 201608 | |
| 42178 | REG560 - 560 EOT ADC 2 Due Date | 12-Aug-2016 08:00:35 | UGA | 201605 | |
| 42131 | REG555 - 555 MT ADC 1 Due Date | 16-Jul-2016 07:00:21 | UGA | 201605 | |
| 216819 | REG550 - 550 Day 7 Drop Add Period | 18-Aug-2016 07:00:28 | UGA | 201608 | |
| 216733 | REG545 - 545 Day 6 Drop Add Period | 17-Aug-2016 07:00:41 | UGA | 201608 | |
| 216512 | REG540 - 540 Day 5 Drop Add Period | 16-Aug-2016 07:00:29 | UGA | 201608 | |
| 215942 | REG535 - 535 Day 4 Drop Add Period | 15-Aug-2016 07:00:27 | UGA | 201608 | |
| 215993 | REG530 - 530 Day 3 Drop Add Period | 14-Aug-2016 07:10:23 | UGA | 201608 | |
| 215897 | REG525 - 525 Day 2 Drop Add Period | 13-Aug-2016 07:00:25 | UGA | 201608 | |
| 41986 | REG520 - 520 Day after Drop/Add | 15-Jun-2016 08:00:18 | UGA | 201605 | |
| 41986 | REG515 - 515 Day 5 D/A Period (1) | 15-Jun-2016 07:00:34 | UGA | 201605 | |
| 42041 | REG510 - 510 Day 4 D/A Period (1) | 14-Jun-2016 12:30:17 | UGA | 201605 | |
| 42134 | REG505 - 505 Day 3 D/A Period (1) | 13-Jun-2016 07:00:26 | UGA | 201605 | |
| 42157 | REG500 - 500 Day 2 D/A Period (1) | 12-Jun-2016 07:00:20 | UGA | 201605 | |
| 205994 | REG495 - 495 Graduation Deadline | 28-May-2016 06:11:18 | UGA | 201602 | |
| 41533 | REG490 - 490 Day 3 D/A Period (E) | 21-May-2016 07:00:32 | UGA | 201605 | |
| 41372 | REG485 - 485 Day 2 D/A Period (E) | 20-May-2016 15:46:16 | UGA | 201605 | |
| 42154 | REG480 - 480 Day After Withdrawal Day | 07-Jul-2016 12:50:18 | UGA | 201605 | |
| 41692 | REG475 - 475 7days before Withdrawal Day | 29-Jun-2016 07:00:20 | UGA | 201605 | |



The Admin UI

Configuring EDW Extract parameter

UGA - ODSPROD

Preferences & Security Options Meta Data Staging New Web Tailor Administration

Search Go

[RETURN TO OPTIONS](#) [SITE MAP](#) [HELP](#) [EXIT](#)

Select a Parameter

Click a Description in the table below to select the Parameter you want to update or delete, or change the search criteria and click Search.

EDW EXTRACT PARAMETERS - Show All Internal Codes- - Show All Internal Codes 2- Search Export

[Cascade >](#) [< Cascade](#) [< Cascade](#)

| Internal Group | Internal Code 1 | Internal Code 2 | Internal Code Sequence | External Code | Description |
|------------------------|-----------------|------------------|------------------------|---------------|---------------------------------------|
| EDW EXTRACT PARAMETERS | INSTITUTION | HOME_INSTITUTION | | 001598 | University of Georgia |



The Admin UI

Setting Up Cleansing Rules for Registrar stars

UGA - ODSPROD

[Preferences & Security](#) [Options](#) [Meta Data](#) [Staging](#) [New Web Tailor Administration](#)

Search

[RETURN TO CLEANSING PROCESS MENU](#) [SITE MAP](#) [HELP](#) [EXIT](#)

Update a Cleansing Rule

To update this Cleansing Rule, make changes to the information below, then click Save.

* - indicates a required field.

Rule Name: *



Rule Source Query: *

```
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG099' W_VALUE, '99 Current' LONG_DESC, 'Current' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG010' W_VALUE, '010 Registration Start' LONG_DESC, 'Registration Start' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG011' W_VALUE, '011 Ticketed Registration' LONG_DESC, 'Ticketed Registration' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG040' W_VALUE, '040 Fee Assessment Begins' LONG_DESC, 'Fee Assessment Begins' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG060' W_VALUE, '060 Payment Deadline 1' LONG_DESC, 'Payment Deadline 1' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG070' W_VALUE, '070 Payment Deadline 2' LONG_DESC, 'Payment Deadline 2' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG075' W_VALUE, '075 1 Day Before Classes Start' LONG_DESC, '1 Day Before Classes Start' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG080' W_VALUE, '080 Classes Start' LONG_DESC, 'Classes Start' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG081' W_VALUE, '081 Drop Add Period Classes Start' LONG_DESC, 'Drop Add Period Classes Start' SHORT_DESC FROM DUAL
```

Prefix Column:

Range Rule?:

☐

Effective Date

☐

Rule?:

(Last updated: 29-AUG-2016:14:00:38 by SEEMAMS8)

This rule is associated with 1 Cleansing Data Element(s).



Import Event schedules into stars

Spreadsheet for importing EDW Snapshot Schedule into
Course Registration snapshot star

Course Registration Import CSV File - Weekly Snapshots - Fall 2016 - for import - EDWPROD - Excel

Seema Metikurke

| A1 | | | | | | | | | | | |
|------|--------|---------------|-------------|----------|------------------|----------------------------------|-------------|--------------------|-----------|---------------------|-----------------|
| FILE | HOME | INSERT | PAGE LAYOUT | FORMULAS | DATA | REVIEW | VIEW | | | | |
| A | B | C | D | E | F | G | H | I | J | | |
| 1 | JOBDEF | CSV_DATE | TIME | INTERVAL | PROCESS | SUBPROCESS | DATA_SOURCE | SOURCE_INSTITUTION | CSV_EVENT | CSV ACADEMIC PERIOD | Replace Event (|
| 2 | JOB | '30-AUG-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG565' | '201608' | 'N' |
| 3 | JOB | '06-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG570' | '201608' | 'N' |
| 4 | JOB | '13-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG575' | '201608' | 'N' |
| 5 | JOB | '20-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG580' | '201608' | 'N' |
| 6 | JOB | '27-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG585' | '201608' | 'N' |
| 7 | JOB | '04-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG590' | '201608' | 'N' |
| 8 | JOB | '11-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG595' | '201608' | 'N' |
| 9 | JOB | '18-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG600' | '201608' | 'N' |
| 10 | JOB | '25-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG605' | '201608' | 'N' |
| 11 | JOB | '01-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG610' | '201608' | 'N' |
| 12 | JOB | '08-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG615' | '201608' | 'N' |
| 13 | JOB | '15-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG620' | '201608' | 'N' |
| 14 | JOB | '22-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG625' | '201608' | 'N' |
| 15 | JOB | '29-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG630' | '201608' | 'N' |

Course Registration Import CSV

READY

100%



Import Event schedules into stars

LOAD_EDW_COURSE_REGISTRATION-P

Schedule a Process

To submit this subprocess to the job queue, fill in the information below, then click Submit.

* - indicates a required field.

Schedule Banner EDW Snapshot Mappings - Parallel Snapshot Course Registration Star

Source Institution:* University of Georgia of Athens Georgia
Event:* November 28 Weekly
Academic Period:* The End of Time
Replace Event (Check for 'Yes'):* ☒

Process to Schedule

Process Parameters

Scheduling Parameters

To schedule this job to run immediately, click [here](#) or type "NOW" into the Run Date and Run Time fields.

Run Date (DD-MON-YYYY): [Select A Date](#)

Run Time (hh24:mi:ss):* [Select A Time](#)

Interval: [Select An Interval](#)

1

Schedule a Process

To submit this subprocess to the job queue, fill in the information below, then click Submit.

* - indicates a required field.

Schedule Banner EDW Snapshot Mappings - Parallel Snapshot Course Registration Star

Process to Schedule

Source Institution: bannerinbprod01.cc.uga.edu:9170/ODSPROD/mgkproc.P_importJobUI

Event: Enter/select your exported job CSV file to upload to the server.

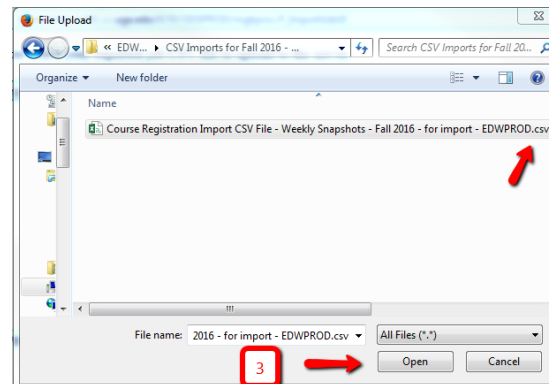
Academic Period: No file selected.

Replace Event (Check for 'Yes'): ☒ **2**

Run Date (DD-MON-YYYY): [Select A Date](#)

Run Time (hh24:mi:ss):* [Select A Time](#)

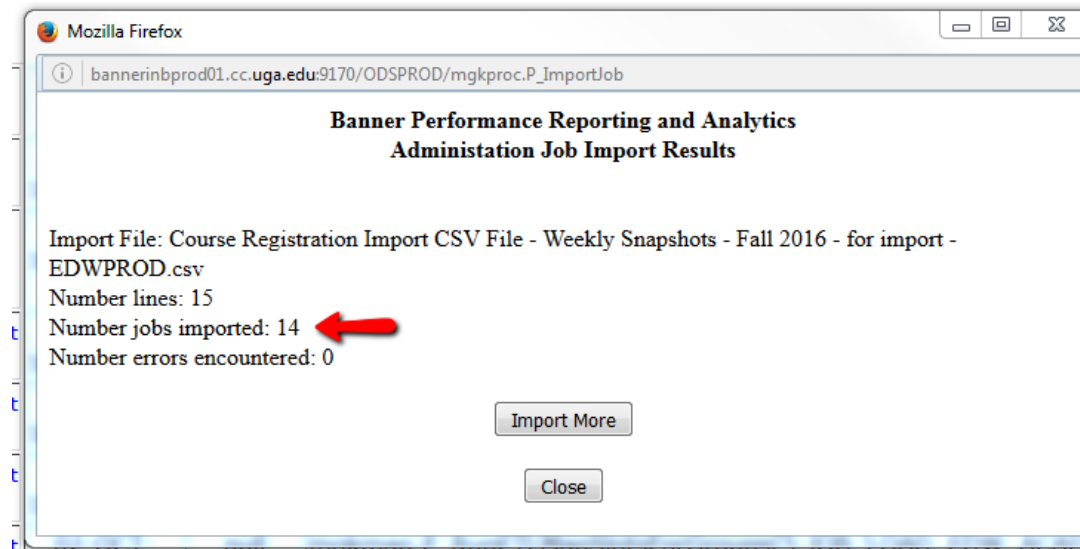
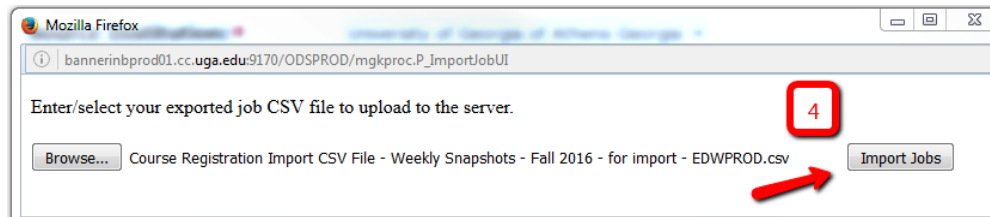
Interval: [Select An Interval](#)





Import Event schedules into stars

LOAD_EDW_COURSE_REGISTRATION-P





EDW Snapshot Mappings Job

How to run EDW Snapshot Mappings Job?

UGA - ODSPROD

[Preferences & Security](#) [Options](#) [Meta Data](#) [Staging](#) [New Web Tailor Administration](#)

Search

Preferences & Security

Set up user accounts, manage security, and set up global preferences for the appearance of published met

Options

Manage the processes that ex... nse, and load data into the Banner Operational Data Store and Bar

Meta Data

View and manage the meta data supporting the Banner Operational Data Store and Banner Enterprise Data

Staging

Manage the source tables staged in the Banner Operational Data Store.

New Web Tailor Administration

Customize a web menu or procedure, a graphic element, a set of information text, a set of menu items; U

RELEASE: BANNERODS 8.5.0 / BANNEREDW 8.4.4

Select a Process

Select a process to schedule.

[Schedule Banner ODS Mappings](#)

[Banner ODS Utilities](#)

→ [Schedule Banner EDW Snapshot Mappings - Parallel](#)

[Schedule Multiple Banner EDW Snapshots](#)

[Schedule Banner EDW Operational Mappings - Parallel](#)

[Banner EDW Utilities](#)

[Freeze Multiple Banner ODS Tables/Views](#)

[Freeze a Single Banner ODS Table/View](#)

[Publish Meta Data Reports](#)



Options

Set Up Parameters

Define internal parameters used by automated processes to maintain the Banner ODS.

Schedule a Process

Schedule jobs that load, update, or data in the Banner ODS.

View Control Reports

View reports that highlight job status of recently executed processes.

View and/or Remove Scheduled Processes

View and/or remove jobs that are scheduled in the job queue but not yet run.

Freeze Data Maintenance

Define lists of related Banner ODS tables or views to freeze at the same time.

Set Up and Maintain Cleansing Processes

Set Up and Maintain Cleansing Process Rules, Elements, Values, and Descriptions.

List Events for a Banner EDW Star

View a list of which events have been loaded for one of the Banner EDW Stars. Displays all the

RELEASE: BANNERODS 8.5.0 / BANNEREDW 8.4.4

Select a Subprocess

Select a subprocess to schedule.

Schedule Banner EDW Snapshot Mappings - Parallel

[Snapshot Academic Program Course Star](#)

[Snapshot Advancement Giving Star](#)

[Snapshot Course Registration Star](#)

[Snapshot Employee Star](#)

[Snapshot Employee Degree Star](#)

[Snapshot Employee Position Star](#)

[Snapshot Employment Application Star](#)

[Snapshot Enrollment Star](#)

[Snapshot Financial Aid Pre Student Star](#)

[Snapshot Financial Aid Student Star](#)

[Snapshot General Ledger Star](#)

[Snapshot Graduation Completion Star](#)

[Snapshot Grant and Project Star](#)

[Snapshot Operating Ledger Star](#)

[Snapshot Receivable Customer Star](#)

[Snapshot Receivable Revenue Star](#)

[Snapshot Recruiting and Admissions Star](#)



EDW Snapshot Mappings Job

How to run EDW Snapshot Mappings Job?

UGA - ODSPROD

Preferences & Security Options Meta Data Staging New Web Tailor Administration

Search

Schedule a Process

To submit this subprocess to the job queue, fill in the information below, then click Submit.

* - indicates a required field.

Process to Schedule

Schedule Banner EDW Snapshot Mappings - Parallel
Snapshot Academic Program Course Star

Process Parameters

Source Institution:*

Event:*

Academic Period:*

Replace Event (Check for 'Yes'):* ☐

Scheduling Parameters

To schedule this job to run immediately, click [here](#) or type "NOW" into the Run Date and Run Time fields.

Run Date (DD-MON-YYYY):* [Select A Date](#)

Run Time (hh24:mi:ss):* [Select A Time](#)

Interval: [Select An Interval](#)

RELEASE: BANNERODS 8.5.0 / BANNEREDW 8.4.4



EDW Snapshot Mappings Job

LOAD_EDW_ACAD_PROG_COURSE-P Control Report

Preferences & Security

Set up user accounts, manage security, and set up global preference

Options

Manage the processes that cleanse, and load data into the E

Meta Data

View and manage the meta data supporting the Banner Operational

Staging

Manage the source tables staged in the Banner Operational Data Sto

New Web Tailor Administration

Customize a web menu or procedure, a graphic element, a set of inf

RELEASE: BANNERODS 8.5.0 /BANNEREDW 8.4.4

Options

Set Up Parameters

Define internal parameters used by various automated processes to m

Schedule a Process

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Define lists of related Banner ODS tables or views to freeze at the sam

Set Up and Maintain Cleansing Processes

Set Up and Maintain Cleansing Process Rules, Elements, Values, and D

List Events for a Banner EDW Star

View a list of which events have been loaded for one of the Banner EC

RELEASE: BANNERODS 8.5.0 /BANNEREDW 8.4.4

Select a Control Report

3

Click a Process in the table below to select the Control Report you want to display.

5909 reports are found, 1-100 are listed below. [Select All](#) | [Deselect All](#)

| | | | | | |
|--------------------------|-----------------------|--------|--|----------|----------|
| <input type="checkbox"/> | Aug 17, 2016 08:10 am | 99367 | LOAD_EDW_RECRUIT_ADMISSIONS-P | 1 | Complete |
| <input type="checkbox"/> | Aug 17, 2016 07:48 am | 18924 | ODS_HEALTH_CHECK | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 17, 2016 07:40 am | 115867 | LOAD_EDW_ENROLLMENT-P | 1 | Complete |
| <input type="checkbox"/> | Aug 17, 2016 07:26 am | 115842 | LOAD_EDW_COURSE_REGISTRATION-P | 1 | Complete |
| <input type="checkbox"/> | Aug 17, 2016 07:09 am | 33078 | STAGE_AREA_STATUS | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 17, 2016 07:07 am | 52163 | RECONCILE_JOB | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 17, 2016 07:07 am | 33077 | STAGE_AREA_STATUS | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 17, 2016 07:00 am | 115817 | LOAD_EDW_ACAD_PROG_COURSE-P | 1 | Complete |

[Select All](#) | [Deselect All](#)

Delete Marked Reports

Export format: ☒ HTML ☐ CSV ☐ CSV Summary

Export Marked Reports



EDW Snapshot Mappings Job

LOAD_EDW_ACAD_PROG_COURSE-P Control Report Output

Display a Control Report

| Run Date | Job Number | Process | Status |
|-----------------------|------------|-----------------------------|----------|
| Aug 17, 2016 07:00 am | 115817 | LOAD_EDW_ACAD_PROG_COURSE-P | Complete |

[Filter Report](#)[Delete Report](#)[CSV Summary](#)

[<- Previous Report](#) | [Select a Report](#) | [Next Report->](#)

| Procedure | Message |
|---|--|
| | Start of Process at 17-AUG-2016 07:00:04 |
| | Session set to Resumable, timeout = 3 days (259200) |
| | Process parameters are: MULTI_SOURCE_GROUP_IN = UGA EVENT_IN = REG545 ACADEMIC_PERIOD_IN = 201608 REPLACE_IND_IN = N |
| | Processing ETL Group (1): LOAD_EDW_ACAD_PROG_COURSE-P |
| | Processing ETL Group (2): LOAD_EDW_ACAD_PROG_COURSE-1 |
| ETL Group: LOAD_EDW_ACAD_PROG_COURSE-1 | Processing ETL Group Pre-Mapping Packages. |
| | Running map package: EDW_DIM_WAREHOUSE_ENTITY |
| EDW_DIM_WAREHOUSE_ENTITY | Location: STAGE_APCOURSE |
| EDW_DIM_WAREHOUSE_ENTITY | Retaining ETL Temp table data for Star: |
| EDW_DIM_WAREHOUSE_ENTITY | OWB Audit Execution ID: 4878846 |
| EDW_DIM_WAREHOUSE_ENTITY | Mapping completed successfully at: 17-AUG-2016 07:00:32 |
| EDW_DIM_WAREHOUSE_ENTITY | Elapsed time: 26 seconds |
| EDW_DIM_WAREHOUSE_ENTITY | Selected: 767960 -- Inserted: 0 -- Updated: 0 -- Deleted: 0 -- Discarded: 0 -- Merged: 767960 -- Corrected: 0 |
| | Running map package: EDW_APCOURSE_INPUT |
| | Custom parameters are: REPLACE_IND_IN=>'N', MULTI_SOURCE_GROUP_IN=>'UGA', ACADEMIC_PERIOD_IN=>'201608', EVENT_IN=>'REG545' |
| EDW_APCOURSE_INPUT | Location: STAGE_APCOURSE |
| EDW_APCOURSE_INPUT | OWB Audit Execution ID: 4878860 |
| EDW_APCOURSE_INPUT | Mapping completed successfully at: 17-AUG-2016 07:11:10 |
| EDW_APCOURSE_INPUT | Elapsed time: 616 seconds (10m 16s) |
| EDW_APCOURSE_INPUT | Selected: 216733 -- Inserted: 216733 -- Updated: 0 -- Deleted: 0 -- Discarded: 0 -- Merged: 0 -- Corrected: 0 |
| | Running map package: EDW_APCOURSE_CLEAN |
| | Custom parameters are: IA_JOBNUM=>'115817', IA_PROCESS=>'EDW_APCOURSE_CLEAN' |
| EDW_APCOURSE_CLEAN | Location: STAGE_APCOURSE |
| EDW_APCOURSE_CLEAN | Data Cleansing starting at: 17-AUG-2016 07:11:13 |
| EDW_APCOURSE_CLEAN | Performing cleansing in mass update mode. |
| EDW_APCOURSE_CLEAN | Loaded 216733 rows in the WTT_ACAD_PROG_COURSE_CLEAN table. |



Banner EDW Health Check Job

ellucian™

UGA - ODSPROD

Preferences & Security

Options

Meta Data

Staging

New Web Tailor Administration

Search

Go

Select a Subprocess

Select a subprocess to schedule.

Banner EDW Utilities

Banner EDW Checks and Balances

[Load Banner EDW Dimensional Data Default Cleansing Values](#)

[Report EDW Change Table Counts](#)

RELEASE: BANNERODS 8.5.0 /BANNEREDW 8.4.4



Banner EDW Health Check Job

How to run EDW Health Check Job?

UGA - ODSPROD

Preferences & Security Options Meta Data Staging New Web Tailor Administration

Search Go

Preferences & Security

Set up user accounts, manage security, and set up global preferences for the appearance of published met

Options

Manage the processes that ex... nse, and load data into the Banner Operational Data Store and Bar

Meta Data

View and manage the meta data supporting the Banner Operational Data Store and Banner Enterprise Data

Staging

Manage the source tables staged in the Banner Operational Data Store.

New Web Tailor Administration

Customize a web menu or procedure, a graphic element, a set of information text, a set of menu items; U

RELEASE: BANNERODS 8.5.0 /BANNEREDW 8.4.4

Select a Process

Select a process to schedule.

Schedule Banner ODS Mappings

Banner ODS Utilities

Schedule Banner EDW Snapshot Mappings - Parallel

Schedule Multiple Banner EDW Snapshots

Schedule Banner EDW Operational Mappings - Parallel

Banner EDW Utilities

Freeze Multiple Banner ODS Tables/Views

Freeze a Single Banner ODS Table/View

Publish Meta Data Reports

Options

Set Up Parameters

Define internal parameters used by y... automated processes to maintain the Banner ODS.

Schedule a Process

Schedule jobs that load, update, or... data in the Banner ODS.

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RELEASE: BANNERODS 8.5.0 /BANNEREDW 8.4.4

Select a Subprocess

Select a subprocess to schedule.

Banner EDW Utilities

Banner EDW Checks and Balances

Load Banner EDW Dimensional Data Default Cleansing Values

Report EDW Change Table Counts



Banner EDW Health Check Job

How to run EDW Health Check Job?

Schedule a Process

To submit this subprocess to the job queue, fill in the information below, then click Submit.

* - indicates a required field.

Process to Schedule

Banner EDW Utilities

Banner EDW Checks and Balances

Process Parameters

Check Mappings and
Parameters? * ☒

Check Meta Data? * ☒

Check Indexes? * ☒

Scheduling Parameters

To schedule this job to run immediately, click [here](#) or type "NOW" into the Run Date and Run Time fields.

Run Date (DD-MON-YYYY): [Select A Date](#)
*

Run Time (hh24:mi:ss): * [Select A Time](#)

Interval: [Select An Interval](#)



Banner EDW Health Check Job

EDW_HEALTH_CHECK Control Report

Preferences & Security

Set up user accounts, manage security, and set up global preference

Options

Manage the processes that cleanse, and load data into the E

Meta Data

View and manage the meta data supporting the Banner Operational

Staging

Manage the source tables staged in the Banner Operational Data Sto

New Web Tailor Administration

Customize a web menu or procedure, a graphic element, a set of inf

RELEASE: BANNERODS 8.5.0 / BANNEREDW 8.4.4

Options

Set Up Parameters

Define internal parameters used by various automated processes to m

Schedule a Process

Schedule jobs that load, update, or freeze data in the Banner ODS.

View Control Reports

View reports that highlight job status for recently executed processes.

View and/or Remove Scheduled Processes

View and/or remove jobs that are scheduled in the job queue but not

Freeze Data Maintenance

Define lists of related Banner ODS tables or views to freeze at the san

Set Up and Maintain Cleansing Processes

Set Up and Maintain Cleansing Process Rules, Elements, Values, and D

List Events for a Banner EDW Star

View a list of which events have been loaded for one of the Banner EC

RELEASE: BANNERODS 8.5.0 / BANNEREDW 8.4.4

Select a Control Report

3

Click a Process in the table below to select the Control Report you want to display.

5909 reports are found, 1-100 are listed below. [Select All](#) | [Deselect All](#)

| Select | Run Date | Job Number | Process | UserID | Status |
|--------------------------|-----------------------|------------|--------------------------------|----------|----------|
| <input type="checkbox"/> | Aug 24, 2016 08:59 am | 135296 | EDW_HEALTH_CHECK | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 24, 2016 08:10 am | 33079 | CHANGE_TABLE_COUNTER | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 24, 2016 07:49 am | 18924 | ODS_HEALTH_CHECK | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 24, 2016 07:09 am | 33078 | STAGE_AREA_STATUS | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 24, 2016 07:08 am | 52163 | RECONCILE_JOB | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 24, 2016 07:08 am | 33077 | STAGE_AREA_STATUS | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 24, 2016 01:09 am | 45370 | REFRESH_ALL-P-W | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 24, 2016 12:41 am | 33075 | CHANGE_TABLE_COUNTER | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 04:14 pm | 52147 | REFRESH_STAGING_COLLECTIONS | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 10:21 am | 115972 | LOAD_EDW_RECEIVABLE_REVENUE-P | 1 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 10:00 am | 115927 | LOAD_EDW_RECEIVABLE_CUSTOMER-P | 1 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 08:26 am | 130657 | LOAD_EDW_GRAD_COMPLETION-P | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 08:10 am | 33079 | CHANGE_TABLE_COUNTER | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 07:48 am | 18924 | ODS_HEALTH_CHECK | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 23, 2016 07:09 am | 33078 | STAGE_AREA_STATUS | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 07:08 am | 52163 | RECONCILE_JOB | SEEMAMS8 | Warning |
| <input type="checkbox"/> | Aug 23, 2016 07:08 am | 33077 | STAGE_AREA_STATUS | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 01:09 am | 45370 | REFRESH_ALL-P-W | SEEMAMS8 | Complete |
| <input type="checkbox"/> | Aug 23, 2016 12:41 am | 33075 | CHANGE_TABLE_COUNTER | SEEMAMS8 | Complete |



Banner EDW Health Check Job

EDW_HEALTH_CHECK Control Report Output

Display a Control Report

| Run Date | Job Number | Process | Status |
|-----------------------|------------|------------------|---------|
| Aug 24, 2016 08:59 am | 135296 | EDW_HEALTH_CHECK | Warning |

[Filter Report](#)[Delete Report](#)[CSV Summary](#)[<- Previous Report |](#)[Select a Report](#)

| Procedure | Message |
|--------------------|--|
| | Start of Process at 24-AUG-2016 08:59:41 |
| | Session set to Resumable, timeout = 3 days (259200) |
| | Running: MGKEDWU.P_CHECKMAPPARMS |
| CHECK_MAPS_EDW | Total EDW MAPPING Parameters checked = 853 |
| | Running: MGKEDWU.P_CHECKMETADATA |
| CHECK_METADATA_EDW | Start Check of EDW Metadata at 24-AUG-2016 08:59:42 |
| CHECK_METADATA_EDW | Warning(s) for STAR: ADDRESS |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: BIRTH_LAST_NAME |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: ENTITY_GIFT_SOCIETY_NAME |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: GRADUATION_NAME |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: PREFERRED_JOINT_MAIL_NAME |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: PRIMARY_JOINT_SALUTATION |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: PRIMARY_PROFESSIONAL_SUFFIX |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: PRIMARY_SALUTATION |
| CHECK_METADATA_EDW | Warning(s) for STAR: ADV STUDENT ACTIVITY |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: BIRTH_LAST_NAME |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: ENTITY_GIFT_SOCIETY_NAME |
| WDT_ENTITY | WARNING: ---> Table column missing in Meta Data: GRADUATION_NAME |
| CHECK_INDEX_EDW | Additional Index WFT_SPOUSEHOLD_ENTITY_INDX_24 found on WFT_SPOUSEHOLD_ENTITY |
| CHECK_INDEX_EDW | Additional Index WFT_SPOUSEHOLD_ENTITY_INDX_25 found on WFT_SPOUSEHOLD_ENTITY |
| CHECK_INDEX_EDW | Additional Index WFT_SPOUSEHOLD_ENTITY_INDX_26 found on WFT_SPOUSEHOLD_ENTITY |
| CHECK_INDEX_EDW | WARNING: Total number of missing baseline indexes: 36 |
| CHECK_INDEX_EDW | WARNING: Total number of non-baseline indexes: 94 |
| | Process completed with warnings at 24-AUG-2016 08:59:52 |
| | End of Report |



Appendix

Spreadsheet template for configuring EDW Extract parameter

| 8 | Internal Group | Internal Code 1 | Internal Code 2 | Internal Code Sequence | External Code | Description | Instructions | Notes | Supporting SQL |
|----|------------------------|--------------------|----------------------------|------------------------|---------------|---|---|---|--|
| 9 | EDW EXTRACT PARAMETERS | INSTITUTION | HOME_INSTITUTION | <null> | 001598 | University of Georgia | Replace the values highlighted on the left (External Code and Description) with your institution's STVSBGI code and description. | The SBGI code and description from STVSBGI for your institution. | <code>select stvsbgi_code stvsbgi_type_ind =</code> |
| 11 | EDW EXTRACT PARAMETERS | MINORITY_IND | NON_MINORITY_RACE_CATEGORY | <null> | 5 | White | Replace the values highlighted on the left (External Code and Description) with your institution's GTVRRAC non-minority race category code and description. If your institution has more than one code to identify the non-minority race category then replace the second value with your institution's additional GTVRRAC race category code and description. Add additional records if required. | The race category code that identifies the non-minority race at your institution. Include the race code and description from GTVRRAC. Add or remove MINORITY_IND records as used by your institution. | |
| 13 | EDW EXTRACT PARAMETERS | MULTI_SOURCE_GROUP | SGHE | <null> | UGA | University of Georgia of Athens Georgia | Replace the values highlighted on the left (External Code and Description) with your institution's abbreviation and full name. | This value is added to EDW records when the cleansing process is run. This External Code value will usually be the same as the MULTI_SOURCE_CLEANSER_VALUE. The Description value will usually be the same as the MULTI_SOURCE_CLEANSER_SHORT or MULTI_SOURCE_CLEANSER_LONG value. Add another MULTI_SOURCE_GROUP record for each multi-source value used at your institution. | |
| 15 | EDW EXTRACT PARAMETERS | NULL_NATION | NULL_NATION_VALUE | <null> | | 157 United States of America | Replace the values highlighted on the left (External Code and Description) with the STVNATN code and description for the nation where your institution is located. | The nation where your institution is located. When a null nation value is found in the EDW the field will be replaced by this value. Include the code and description from STVNATN. | <code>select stvnatn_code order by 1;</code> |
| 16 | Internal Group | Internal Code 1 | Internal Code 2 | Internal Code Sequence | External Code | Description | Instructions | Notes | Supporting SQL |
| 17 | EDW EXTRACT PARAMETERS | EARNINGS | OTHER | <null> | ADJ | Adjunct Pay By Course | Replace the values highlighted on the left (Internal Code 2, External Code and Description) with your institution's PTREARN earning codes and descriptions and indicate the appropriate Internal Code 2 category for each value: Regular, Overtime or Other. Add a record for each code and description. | Identifies earning codes as being Regular, Overtime or Other. | <code>select ptrearn_code ptrearn_long_desc t</code> |
| 18 | EDW EXTRACT PARAMETERS | EARNINGS | OVERTIME | <null> | OT | Overtime Earnings | | | |
| 19 | EDW EXTRACT PARAMETERS | EARNINGS | REGULAR | <null> | REG | Regular Earnings | | | |
| | | | | | | | Replace the values highlighted on the left (External Code and Description) with your institution's PTREARN code and | Used with HR Applicant Tracking. For each of the HR applicant tracking statuses | |



Appendix

Spreadsheet template for gathering EDW Dates and Descriptions

EDW Registrar snapshots -- 2016-Updated20160829 - Excel

| FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW Team | | | | | | |
|---|-------------------------|--------------------------------|-----------------|-----------|----------------------|---------------------------------|
| B37 : X ✓ fx MT ADC 1 Census Date | | | | | | |
| | A | B | C | D | E | F |
| 1 | Registration/Enrollment | | | | Graduation | |
| 2 | 201602 - Spring 2016 | | | | 201602 - Spring 2016 | |
| 3 | Date | Event/Short Description | Academic Period | | Date | Event/Short Description |
| 4 | 11/6/2015 | Registration Start | | | 11/6/2015 | Graduation Applications Open |
| 5 | 11/7/2015 | ticketed registration | | | | November 15 |
| 6 | 11/8/2015 | ticketed registration | | | | December 1 |
| 7 | 11/9/2015 | ticketed registration | | | | December 15 |
| 8 | 11/10/2015 | ticketed registration | | | | January 1 |
| 9 | 11/11/2015 | ticketed registration | | | | January 15 |
| 10 | 11/12/2015 | ticketed registration | | | | February 1 |
| 11 | 11/13/2015 | ticketed registration | | | | February 2 |
| 12 | 11/14/2015 | ticketed registration | | | | March 1 |
| 13 | 11/15/2015 | ticketed registration | | | | March 15 |
| 14 | 11/16/2015 | ticketed registration | | | 5/1/2016 | Commencement Program Due Date |
| 15 | 11/17/2015 | ticketed registration | | | 5/16/2016 | Cleared to Graduate by colleges |
| 16 | 11/18/2015 | ticketed registration | | | 5/23/2016 | Graduate Week 1 |
| 17 | 11/19/2015 | ticketed registration | | | n/a | Graduate Week 2 |
| 18 | 11/20/2015 | ticketed registration | | | 5/27/2016 | Graduation Clearance Deadline |
| 19 | 11/21/2015 | ticketed registration | | | 5/31/2016 | Degrees Awarded by Registrar |
| 20 | 11/22/2015 | ticketed registration | | | 7/1/2016 | Final Academic Period |
| 21 | | December 1 | | | | |
| 22 | 12/9/2015 | Fee Assessment Begins | | | | |
| 23 | | December 15 | | | | |
| 24 | | January 1 | | | | |
| 25 | 1/10/2016 | 1 Day Before Classes Start | | | | |
| 26 | 1/11/2016 | Payment Deadline 1 | | | | |
| 27 | 1/11/2016 | D/A Perior -- Start of Classes | | | | |
| 28 | 1/12/2016 | D/A Period | | | | |
| 29 | 1/13/2016 | D/A Period | | | | |
| 30 | 1/14/2016 | D/A Period | | | | |
| 31 | 1/15/2016 | D/A Period | | | | |
| 32 | 1/16/2016 | Withdrawal Period Begins | | | | |
| 33 | 1/28/2016 | Drop for Non Payment | | | | |
| 34 | | February 1 | | | | |
| 35 | 2/11/2016 | Reinstatement Deadline | | | | |
| 36 | | February 15 | | | | |
| 37 | 3/3/2016 | MT ADC 1 Census Date | | | | |
| 38 | | March 1 | | | | |
| 39 | 3/3/2016 | MT ADC 1 Due Date | | | | |
| | | Spring 2016 | Summer 2016 | Fall 2016 | | |



Appendix

Spreadsheet template for building cleansing rules for valid events

| UGA - EDW Parameter Mapping and Complete Event Model - Cleansing rules for Enrollment (1) - Excel | | | |
|---|---|----------------------------------|--------------------------------|
| Seema Metikurva | | | |
| C125 | | | |
| A B C D E | | | |
| 1 | Snapshot Event: EVENT ENROLLMENT | | |
| 2 | | | |
| 3 | Cleansing Rule Values | | |
| 4 | EDW Val | Long Description | Event/Short Description |
| 5 | REG099 | 99 Current | Current |
| 6 | REG010 | 010 Registration Start | Registration Start |
| 7 | REG011 | 011 Ticketed Registration | Ticketed Registration |
| 8 | REG040 | 040 Fee Assessment Begins | Fee Assessment Begins |
| 9 | REG060 | 060 Payment Deadline 1 | Payment Deadline 1 |
| 10 | REG070 | 070 Payment Deadline 2 | Payment Deadline 2 |
| 11 | REG075 | 075 1 Day Before Classes Start | 1 Day Before Classes Start |
| 12 | REG080 | 080 Classes Start | Classes Start |
| 13 | REG081 | 081 DropAdd Period Classes Start | DropAdd Period Classes Start |
| 14 | REG082 | 082 Drop Add Period | Drop Add Period |
| 15 | REG085 | 085 Add Drop End Date | Add Drop End Date |
| 16 | REG086 | 086 Withdrawal Period Begins | Withdrawal Period Begins |
| 17 | REG090 | 090 Drop for Non Payment | Drop for Non Payment |
| 18 | REG095 | 095 Reinstatement Date | Reinstatement Date |
| 19 | REG100 | 100 Census 1 | Census 1 |
| 20 | REG105 | 105 Midterm Release Date | Midterm Release Date |
| 21 | REG110 | 110 Withdraw End | Withdraw End |
| 22 | REG115 | 115 PTRM PC3 Withdraw End | PTRM PC3 Withdraw End |
| 23 | REG120 | 120 PTRM EM3 Withdraw End | PTRM EM3 Withdraw End |
| 24 | REG125 | 125 PTRM PC4 Withdraw End | PTRM PC4 Withdraw End |
| 25 | REG126 | 126 PTRM S2 Withdraw End | PTRM S2 Withdraw End |
| 26 | REG130 | 130 Last Day of Classes | Last Day of Classes |
| 27 | REG135 | 135 Last Day of Finals | Last Day of Finals |
| 28 | REG140 | 140 Final Grades Due | Final Grades Due |
| 29 | REG145 | 145 Census 2 | Census 2 |
| 30 | REG150 | 150 End of Term Release Date | End of Term Release Date |
| 31 | REG155 | 155 Incomplete to Fail End Date | Incomplete to Fail End Date |
| 32 | REG160 | 160 Final Academic Period | Final Academic Period |
| 33 | REG165 | 165 January 1 | January 1 |
| 34 | REG170 | 170 January 15 | January 15 |
| 35 | REG175 | 175 February 1 | February 1 |
| 36 | REG180 | 180 February 15 | February 15 |
| 37 | REG185 | 185 March 1 | March 1 |
| 38 | REG190 | 190 March 15 | March 15 |
| 39 | REG195 | 195 April 1 | April 1 |

```
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG099' W_VALUE, '99 Current' LONG_DESC, 'Current' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG010' W_VALUE, '010 Registration Start' LONG_DESC, 'Registration Start' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG011' W_VALUE, '011 Ticketed Registration' LONG_DESC, 'Ticketed Registration' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG040' W_VALUE, '040 Fee Assessment Begins' LONG_DESC, 'Fee Assessment Begins' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG060' W_VALUE, '060 Payment Deadline 1' LONG_DESC, 'Payment Deadline 1' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG070' W_VALUE, '070 Payment Deadline 2' LONG_DESC, 'Payment Deadline 2' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG075' W_VALUE, '075 1 Day Before Classes Start' LONG_DESC, '1 Day Before Classes Start' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG080' W_VALUE, '080 Classes Start' LONG_DESC, 'Classes Start' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG081' W_VALUE, '081 DropAdd Period Classes Start' LONG_DESC, 'DropAdd Period Classes Start' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG082' W_VALUE, '082 Drop Add Period' LONG_DESC, 'Drop Add Period' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG085' W_VALUE, '085 Add Drop End Date' LONG_DESC, 'Add Drop End Date' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG086' W_VALUE, '086 Withdrawal Period Begins' LONG_DESC, 'Withdrawal Period Begins' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG090' W_VALUE, '090 Drop for Non Payment' LONG_DESC, 'Drop for Non Payment' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG095' W_VALUE, '095 Reinstatement Date' LONG_DESC, 'Reinstatement Date' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG100' W_VALUE, '100 Census 1' LONG_DESC, 'Census 1' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG105' W_VALUE, '105 Midterm Release Date' LONG_DESC, 'Midterm Release Date' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG110' W_VALUE, '110 Withdraw End' LONG_DESC, 'Withdraw End' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG115' W_VALUE, '115 PTRM PC3 Withdraw End' LONG_DESC, 'PTRM PC3 Withdraw End' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG120' W_VALUE, '120 PTRM EM3 Withdraw End' LONG_DESC, 'PTRM EM3 Withdraw End' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG125' W_VALUE, '125 PTRM PC4 Withdraw End' LONG_DESC, 'PTRM PC4 Withdraw End' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG126' W_VALUE, '126 PTRM S2 Withdraw End' LONG_DESC, 'PTRM S2 Withdraw End' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG130' W_VALUE, '130 Last Day of Classes' LONG_DESC, 'Last Day of Classes' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG135' W_VALUE, '135 Last Day of Finals' LONG_DESC, 'Last Day of Finals' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG140' W_VALUE, '140 Final Grades Due' LONG_DESC, 'Final Grades Due' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG145' W_VALUE, '145 Census 2' LONG_DESC, 'Census 2' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG150' W_VALUE, '150 End of Term Release Date' LONG_DESC, 'End of Term Release Date' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG155' W_VALUE, '155 Incomplete to Fail End Date' LONG_DESC, 'Incomplete to Fail End Date' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG160' W_VALUE, '160 Final Academic Period' LONG_DESC, 'Final Academic Period' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG165' W_VALUE, '165 January 1' LONG_DESC, 'January 1' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG170' W_VALUE, '170 January 15' LONG_DESC, 'January 15' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG175' W_VALUE, '175 February 1' LONG_DESC, 'February 1' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG180' W_VALUE, '180 February 15' LONG_DESC, 'February 15' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG185' W_VALUE, '185 March 1' LONG_DESC, 'March 1' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG190' W_VALUE, '190 March 15' LONG_DESC, 'March 15' SHORT_DESC FROM DUAL UNION
SELECT 'EVENT_ENROLLMENT' DATA_ELEMENT, NULL W_PREFIX, 'REG195' W_VALUE, '195 April 1' LONG_DESC, 'April 1' SHORT_DESC FROM DUAL UNION
```



Appendix

Spreadsheet for importing EDW Snapshot Schedule into Course Registration snapshot star

Course Registration Import CSV File - Weekly Snapshots - Fall 2016 - for import - EDWPROD - Excel

Seema Metikurke

| A1 | | | | | JOBDEF | | | | | | |
|----|--------|---------------|------------|----------|------------------|----------------------------------|-------------|--------------------|-----------|---------------------|-----------------|
| | A | B | C | D | E | F | G | H | I | J | |
| 1 | JOBDEF | CSV_DATE | TIME | INTERVAL | PROCESS | SUBPROCESS | DATA_SOURCE | SOURCE_INSTITUTION | CSV_EVENT | CSV ACADEMIC PERIOD | Replace Event (|
| 2 | JOB | '30-AUG-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG565' | '201608' | 'N' |
| 3 | JOB | '06-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG570' | '201608' | 'N' |
| 4 | JOB | '13-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG575' | '201608' | 'N' |
| 5 | JOB | '20-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG580' | '201608' | 'N' |
| 6 | JOB | '27-SEP-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG585' | '201608' | 'N' |
| 7 | JOB | '04-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG590' | '201608' | 'N' |
| 8 | JOB | '11-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG595' | '201608' | 'N' |
| 9 | JOB | '18-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG600' | '201608' | 'N' |
| 10 | JOB | '25-OCT-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG605' | '201608' | 'N' |
| 11 | JOB | '01-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG610' | '201608' | 'N' |
| 12 | JOB | '08-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG615' | '201608' | 'N' |
| 13 | JOB | '15-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG620' | '201608' | 'N' |
| 14 | JOB | '22-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG625' | '201608' | 'N' |
| 15 | JOB | '29-NOV-2016' | '07:26:00' | " | 'MAPGROUP-EDW-P' | 'LOAD_EDW_COURSE_REGISTRATION-P' | " | 'UGA' | 'REG630' | '201608' | 'N' |

Course Registration Import CSV

READY

100%