

U1M7.LW.Dimension and Facts Basics

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2.Create and populate Dimension of TIME DW – Layer

2.1. Task 01 – Install and expand load of external references T_Languages

To Populate Time dims use External Resources:

File Name

Path

Calendars.sql

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Example of generated data:

TIME_ID	DAY_NAME	DAY_NUMBER_IN_WEEK	DAY_NUMBER_IN_MONTH	DAY_NUMBER_IN_YEAR	CALENDAR_WEEK_NUMBER	WEEK_ENDING_DATE	CALENDAR_MONTH_NUMBER	DAYS_IN_CAL_MONTH	END_OF_CAL_MONTH	CALENDAR_MONTH_NAME	DAYS_IN_CAL_QUARTER	BEG_OF_CAL_QUARTER
1	2022-07-23	Суббота	6	23	204	4	2022-07-30	07	31	2022-07-31	Июль	92 2022-07-01
2	2022-07-24	Воскресенье	7	24	205	4	2022-07-24	07	31	2022-07-31	Июль	92 2022-07-01
3	2022-07-25	Понедельник	1	25	206	4	2022-07-30	07	31	2022-07-31	Июль	92 2022-07-01
4	2022-07-26	Вторник	2	26	207	4	2022-07-30	07	31	2022-07-31	Июль	92 2022-07-01
5	2022-07-27	Среда	3	27	208	4	2022-07-30	07	31	2022-07-31	Июль	92 2022-07-01
6	2022-07-28	Четверг	4	28	209	4	2022-07-30	07	31	2022-07-31	Июль	92 2022-07-01
7	2022-07-29	Пятница	5	29	210	5	2022-07-30	07	31	2022-07-31	Июль	92 2022-07-01
8	2022-07-30	Суббота	6	30	211	5	2022-08-06	07	31	2022-07-31	Июль	92 2022-07-01
9	2022-07-31	Воскресенье	7	31	212	5	2022-07-31	07	31	2022-07-31	Июль	92 2022-07-01
10	2022-08-01	Понедельник	1	01	213	1	2022-08-06	08	31	2022-08-31	Август	92 2022-07-01
11	2022-08-02	Вторник	2	02	214	1	2022-08-06	08	31	2022-08-31	Август	92 2022-07-01
12	2022-08-03	Среда	3	03	215	1	2022-08-06	08	31	2022-08-31	Август	92 2022-07-01
13	2022-08-04	Четверг	4	04	216	1	2022-08-06	08	31	2022-08-31	Август	92 2022-07-01
14	2022-08-05	Пятница	5	05	217	1	2022-08-06	08	31	2022-08-31	Август	92 2022-07-01
15	2022-08-06	Суббота	6	06	218	1	2022-08-13	08	31	2022-08-31	Август	92 2022-07-01
16	2022-08-07	Воскресенье	7	07	219	1	2022-08-07	08	31	2022-08-31	Август	92 2022-07-01
17	2022-08-08	Понедельник	1	08	220	2	2022-08-13	08	31	2022-08-31	Август	92 2022-07-01
18	2022-08-09	Вторник	2	09	221	2	2022-08-13	08	31	2022-08-31	Август	92 2022-07-01
19	2022-08-10	Среда	3	10	222	2	2022-08-13	08	31	2022-08-31	Август	92 2022-07-01
20	2022-08-11	Четверг	4	11	223	2	2022-08-13	08	31	2022-08-31	Август	92 2022-07-01

2.1. Task 01: CREATE DW.T_DAYS

The Main Task is to create Physical diagram and Objects on DW layer:

```
create table U_DW_REFERENCES."DW.T_DAYS"
(
    DAY_ID                NUMBER                not null,
    DAY_NUMBER_IN_WEEK    NUMBER,
    DAY_NUMBER_IN_MONTH   NUMBER,
    DAY_NUMBER_IN_YEAR    NUMBER,
    constraint "PK_DW.T_DAYS" primary key (DAY_ID)
);
```

2.2. Task 02: CREATE DW.T_WEEKS

```
create table U_DW_REFERENCES."DW.T_WEEKS"
(
    WEEK_ID                NUMBER                not null,
    CALENDAR_WEEK_NUMBER  NUMBER,
    WEEK_ENDING_DATE       DATE,
    constraint "PK_DW.T_WEEKS" primary key (WEEK_ID)
);
```

2.3. Task 03: CREATE DW.T_MONTHS

```
create table U_DW_REFERENCES."DW.T_MONTH"
(
    MONTH_ID                NUMBER                not null,
    CALENDAR_MONTH_NUMBER  NUMBER,
    DAYS_IN_CAL_MONTH       NUMBER,
    END_OF_CAL_MONTH        DATE,
    BEG_OF_CAL_MONTH        DATE,
    constraint "PK_DW.T_MONTH" primary key (MONTH_ID)
);
```

2.4. Task 04: CREATE DW.T_QUARTERS

```
create table U_DW_REFERENCES."DW.T_QUARTERS"
(
    QUARTER_ID                NUMBER                not null,
    CALENDAR_QUARTER_NUMBER  NUMBER,
    DAYS_IN_CAL_QUARTER      NUMBER,
    END_OF_CAL_QUARTER       DATE,
    BEG_OF_CAL_QUARTER       DATE,
    constraint "PK_DW.T_QUARTERS" primary key (QUARTER_ID)
);
```

2.5. Task 05: CREATE DW.T_YEARS

```

create table U_DW_REFERENCES."DW.T_YEAR"
(
    YEAR_ID                NUMBER                not null,
    DAYS_IN_CAL_YEAR        NUMBER,
    BEG_OF_CAL_YEAR         DATE,
    END_OF_CAL_YEAR         DATE,
    CALENDAR_YEAR           NUMBER,
    constraint "PK_DW.T_YEAR" primary key (YEAR_ID)
);

```

Physical diagram:

