#### **Records without Business Key (8.1)**

- Records without business key ("zero keys") are loaded to hub with unknown business key, marked with '-1'
  - Default loading logic sets unknown business key to value '-1'
  - The unknown value -logic is configurable in ADE, so it can be changed in case different logic is needed

#### Configured transformation formula DV\_HASH for specific DBMS:

TRANSFORMATION TYPE				
DV_HASH				
TRANSFORMATION FORMULA				

Applied transformation formula in load SQL:

SELECT
MD5( NVL(UPPER(CAST(bestellungid AS STRING)), '-1') ) AS dv\_id

Just now (1s)	22	
<pre>1 select 2 dv_id, 3 business_key, 4 dv_source_system 5 from ddvug_rdv.h_delivery_servi 6 where business_key = '-1';</pre>	.ce	
Table ~ +		

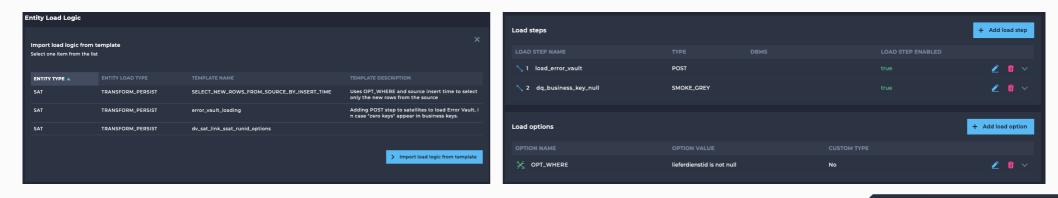
6bb61e3b7bce0931da574d19d1d82c88 -1



WEBSHOP

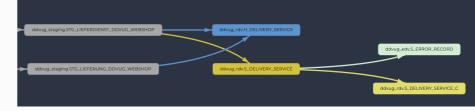
# **Records without Business Key (8.2)**

- To satellite table, records without business key should not be loaded
- In ADE, it is possible to enhance default satellite loading logic with the additional load steps, to handle "zero keys":
  - Only load to satellite valid business keys, meaning no zero keys should be inserted. Adding OPT\_WHERE condition to filter out rows from the staging-tables, where business key is NULL
  - Adding PRE or POST load step to load zero business keys to Error Vault.
- It is good practice to make ADE template of the above logic to make it reusable



# **Records without Business Key (8.3)**

- With the error vault template, a satellite entity was created for the error records
- The previously mentioned template is possible to add to satellite loads to prevent inserting error records



• All error records are stored in the same error satellite:



## **Records without Business Key (8.4)**

- To detect data issues, ADE has built-in data tests, called data smoke tests
  - In this case, a smoke grey test could be added to satellite load to detect "zero keys" and notify when those occur
  - A smoke grey is logged to data quality dashboards and if notification channel is configured, the information about failed test is sent there

Smoke grey test defined to satellite load

∿ dq_business_key_null			X Cancel > Save
dq_business_key_null		SMOKE_GREY	~
		Step type for only logging the test step to s success.	uccess/failed. Should NOT return row(s) for
LANGUAGE SQL Run custom SQL logic.		DBMS PRODUCT SPECIFIC (OPTIONAL) (not selected)	READ AFFECTED LOAD STEP ROWS ENABLED
LOCIC			
1 select			language: sql readonly: false
<pre>1 select 2 count(1) 3 from <source_entity_schema>.&lt; 4 where lieferdienstid is null 5 having count(1) &gt; 1</source_entity_schema></pre>	source_entity_name>		x x

ADE will log failed smoke tests and display those on Runtime dashboards



