

## 5. Early Integration (of the order)

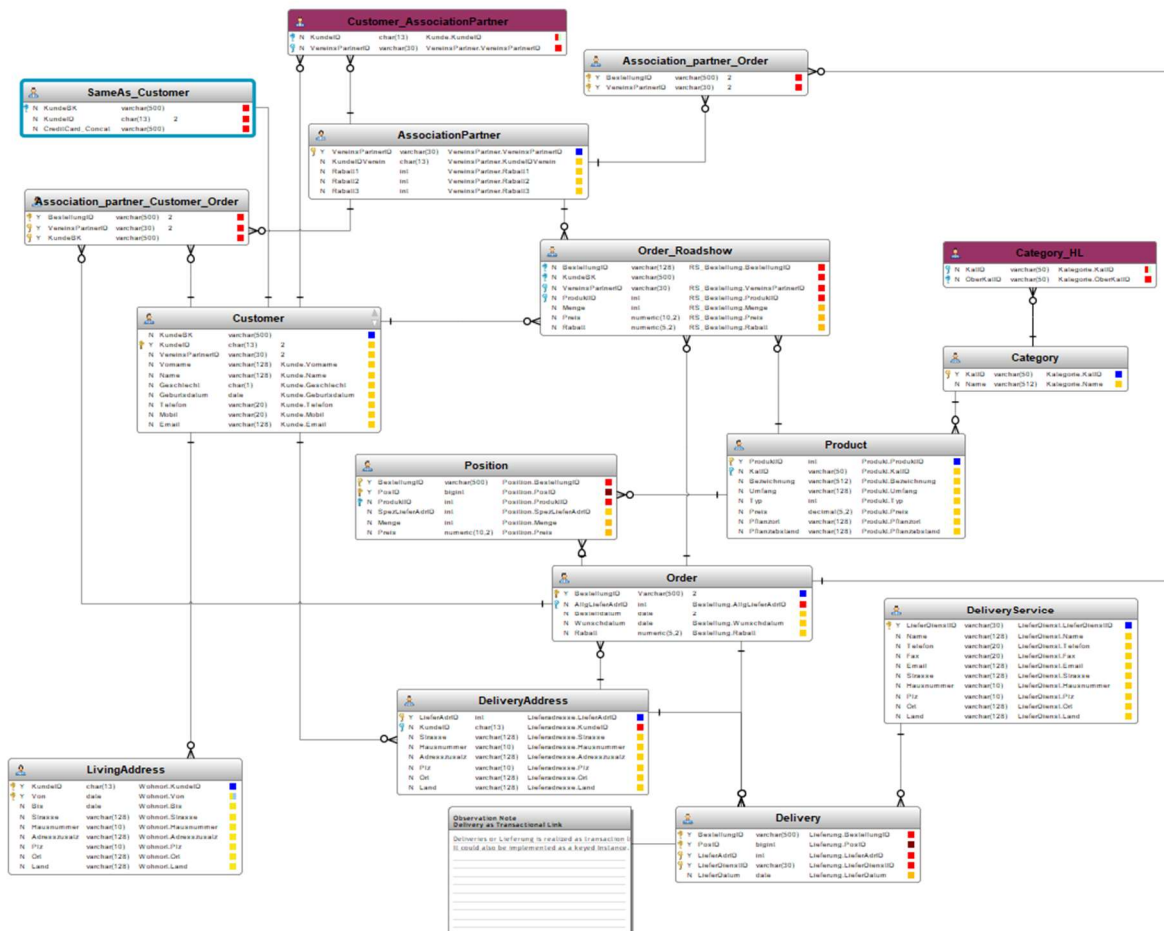
### Data Vault design

In order to integrate the different sources from the webshop and the roadshow to the order and position hubs, we do apply source mapping to both tables with the subset of the columns arriving from the different source tables. The Order\_Roadshow link keeps the history of the roadshow order.

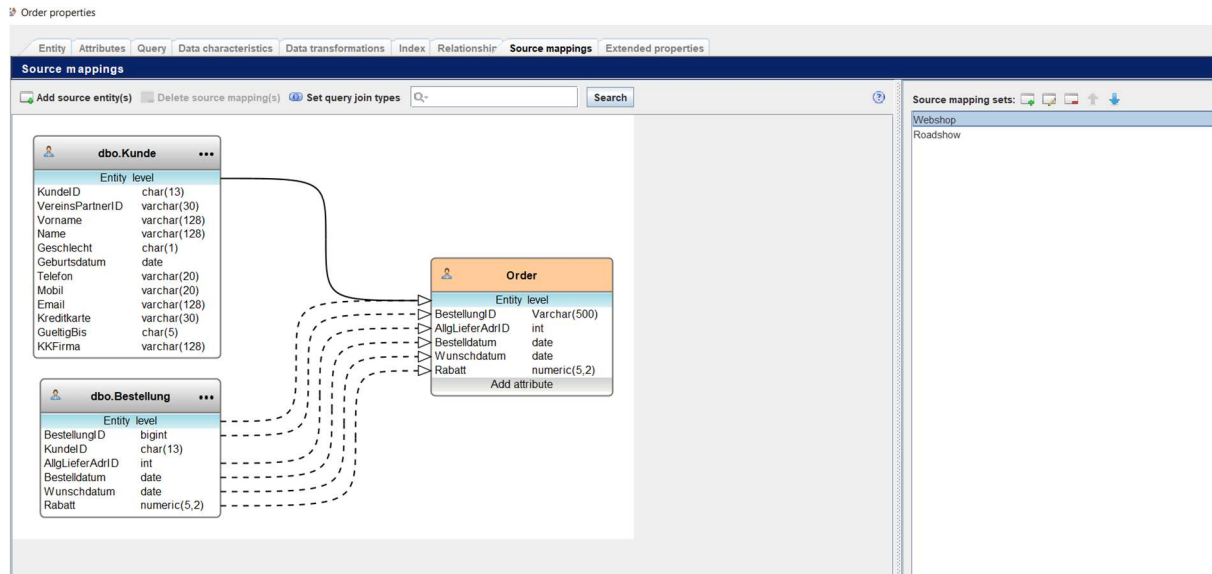
An additional KundeBK column is added as a derived column to support different customers from the two sources as same as link

KundenBK data transformation

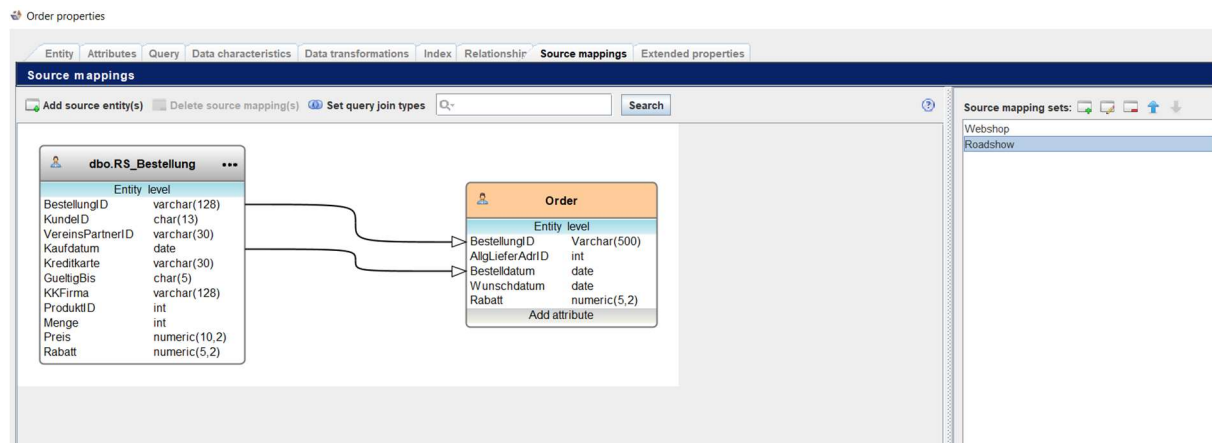
COALESCE(KundeID, CONCAT(KKFirma, '|', Kreditkarte, '|', GueltigBis))



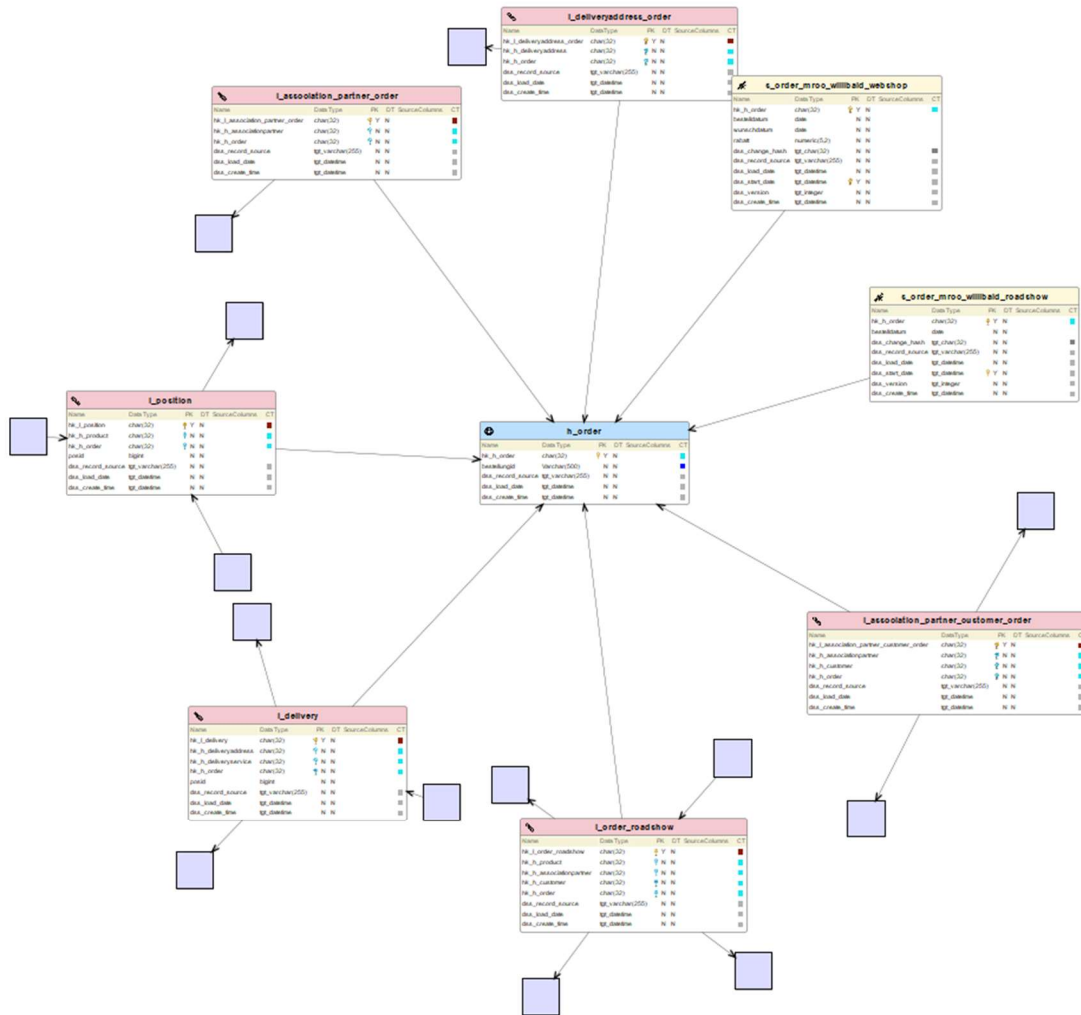
## Webshop source mapping for order

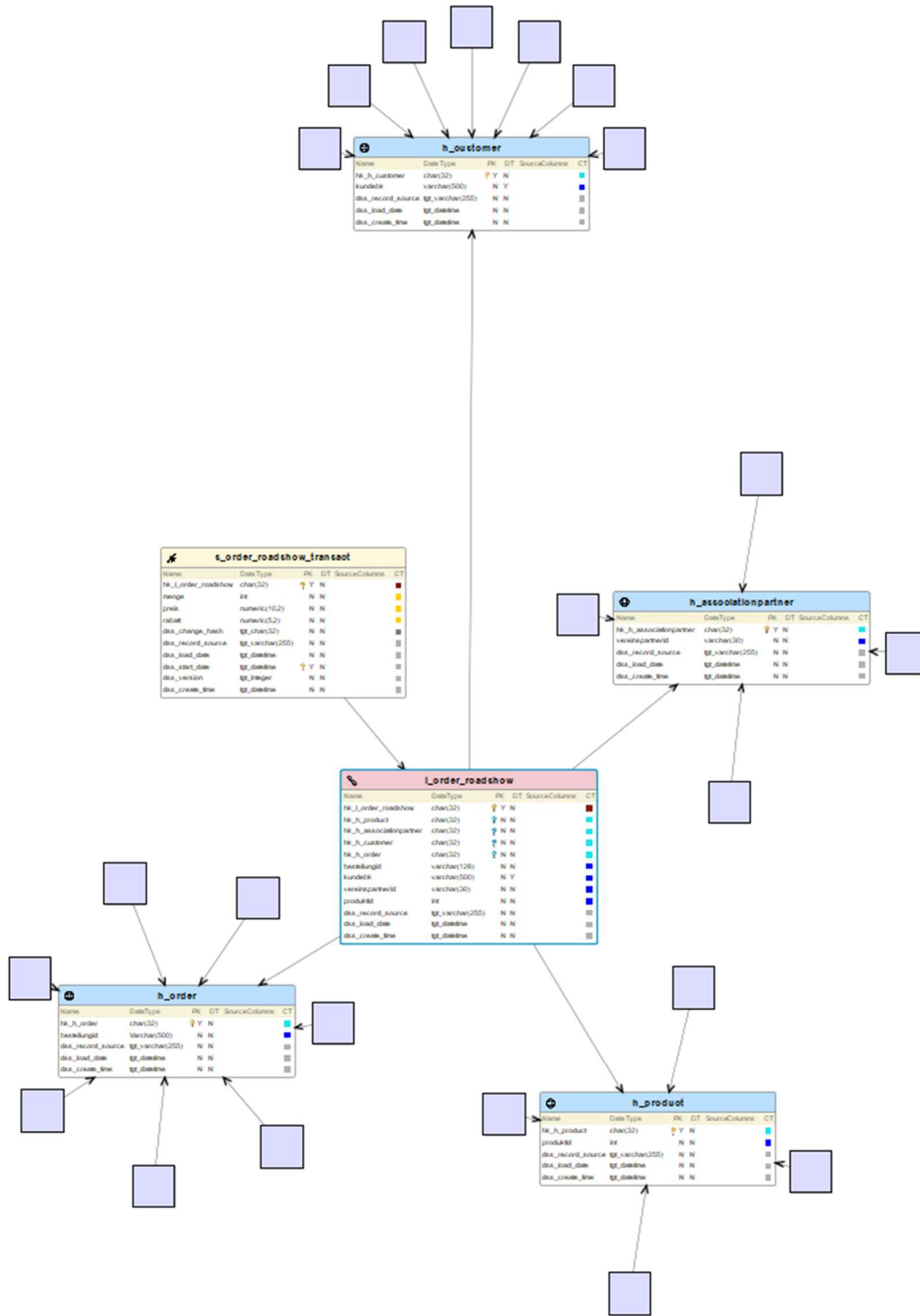


## Roadshow source mapping for order

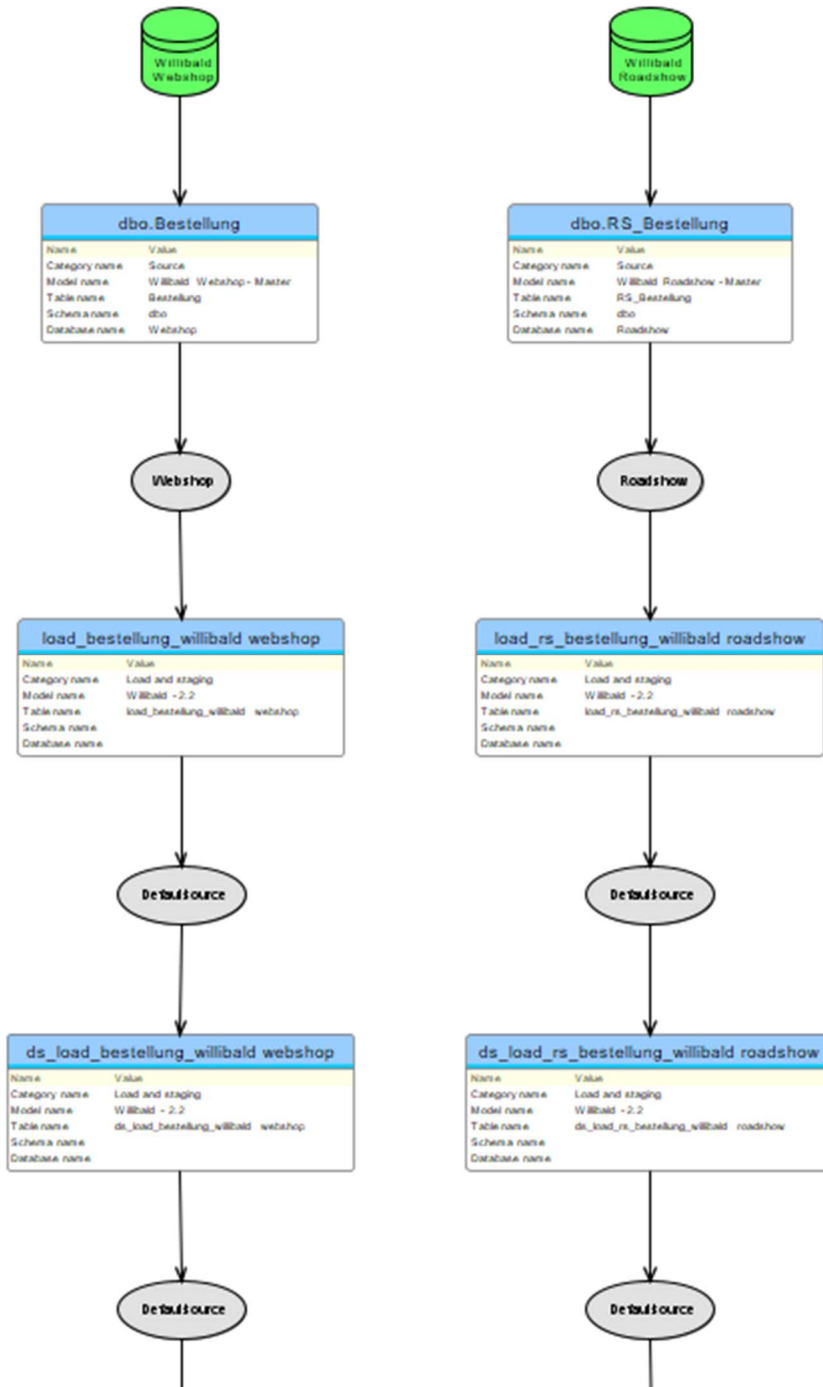


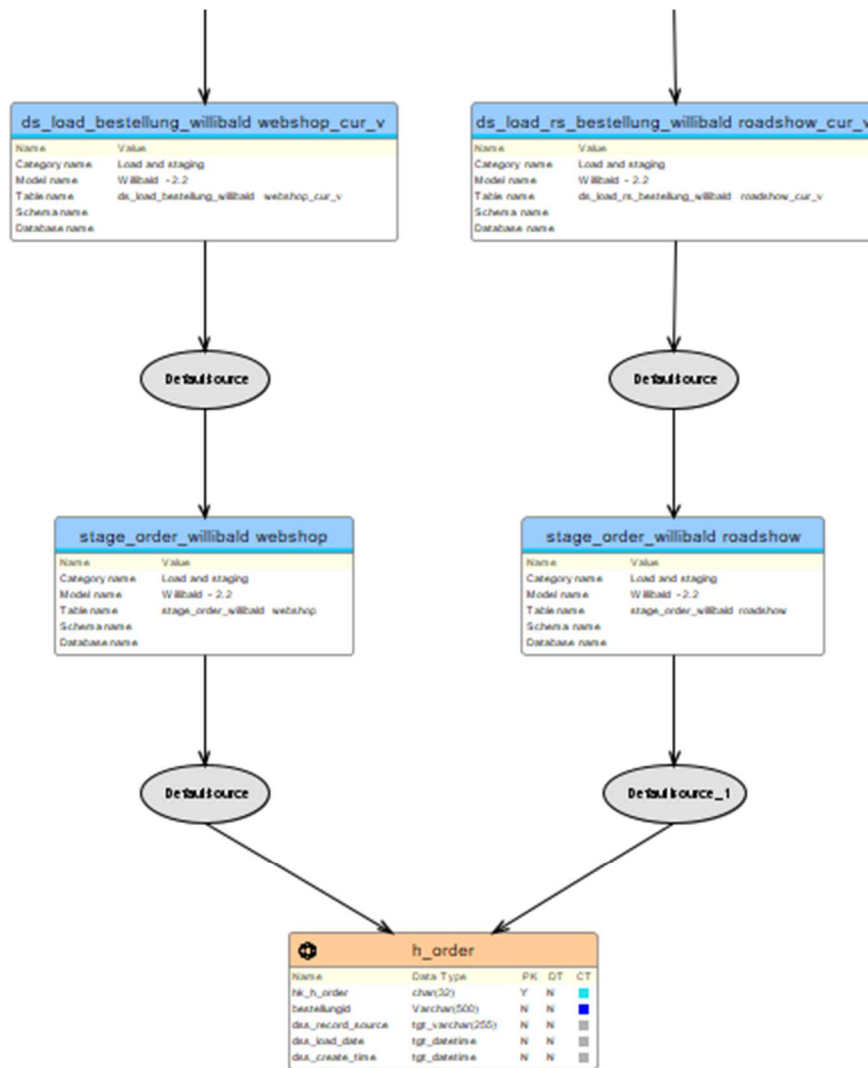
## Raw Vault generated automatically by 3D





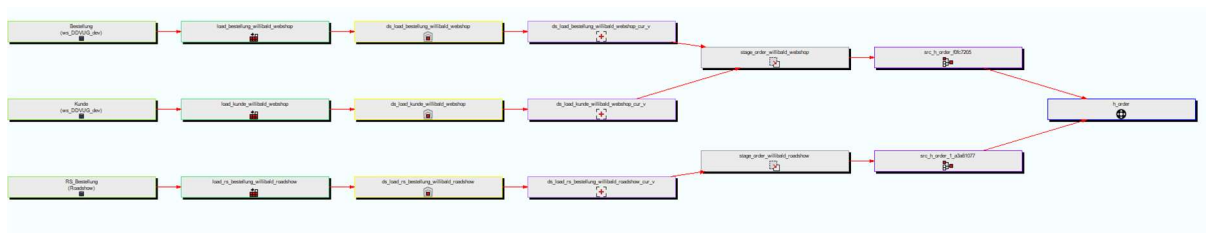
Load and Staging generated automatically by 3D  
The order table is sourced from webshop and Roadshow.





## Data Lineage in WhereScape RED

Note: WhereScape Red uses the XML File to build the data warehouse objects and all code routines to ingest the load tables, ODS layers, views, stage tables and the raw vault or the business vault layers.



## Sample Data of Order hub

Order Hub table with different business keys.

Builder Scheduler Diagram

Development

Data display for DEMO\_DB.DDVG\_DATA\_VAULT.h\_order

HK_H_ORDER	BESTELLUNGID	DSS_RECORD_S...	DSS_LOAD_DATE	DSS_CREATE_TIME
74714116f3b292a982238f83d2	576	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
aa942ab2bfa6ebda4840e7360ce6e7ef	358	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
27aea16cc53acde5e5b0ba9ba8dc7a73	RS0000224	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
1b20ab39cc025756eb6199f8e81bf1ec	RS0000298	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
411dcfaa86f286795237fb3931014c73	RS0000370	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
5b8add2a5d98b1a652ea7fd72d942dac	317	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
5289792d43147e7a8b9d1c5b438bf200	RS0000497	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
3902e2e51601e17fe155cab43573e2ff	RS0000550	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
ec8ce6abb3e952a85b8551ba726a1227	220	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
d96409bf894217686ba124d7356686c9	257	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
aba3b6fd5d186d28e06ff97135cade7f1	721	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
4c56ff4ce4aaf9573aa5dff913df997a	121	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
40008b9a5380fcacce3976bf7c08af5b	340	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
f718499c1c8cef6730f9fd03c8125cab	256	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
0bbd06393ff1bf4bedb89e8e12a7509e	RS0000884	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
b543da46c7e54a6277171ab27f786913	RS0000894	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
b0d206f95df814a023e10442a7aaa338	RS0000835	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...
077e29b11be80ab57e1a2ecabb7da330	249	Willibald Websh...	2023-05-16 14:20:25.50...	2023-05-16 14:21:40...
5079a7711a0388c831022485071a135c	RS0000815	Willibald Roads...	2023-05-16 14:20:17.46...	2023-05-16 14:21:37...

Results