15. Business Rules

Business rules and data transformations can be added at any time in WhereScape RED.

To standardize the Orders of the Association Partners from the Webshop a join is created between the Customer table and the Webshop Orders table and it is filtered to only include Association Partners.

A rule is implemented to identify customers without customer_id in the (Roadshow Order) RS_Bestellung based on their credit card, cc-company and valid-to data.

The connection between Webshop Orders and Association Partner was also modeled in 3D to generate the proper Link tables.

We also modeled a Sames-As Link table to resolve the alternate Customer ID based on credit card information.

Additional Business Vault

Satellites are insert-only and store historical changes. It is best practice to add the current and historical views on the top of the raw satellites. WhereScape generates these two types of views for all the satellites automatically.
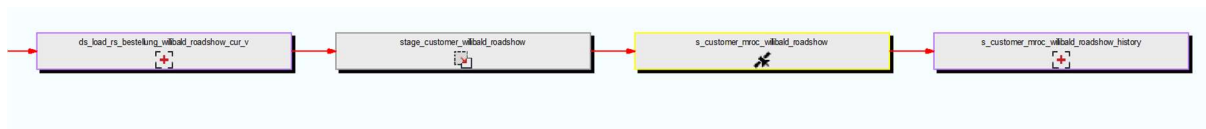
Data Lineage in WhereScape RED

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.

Current view
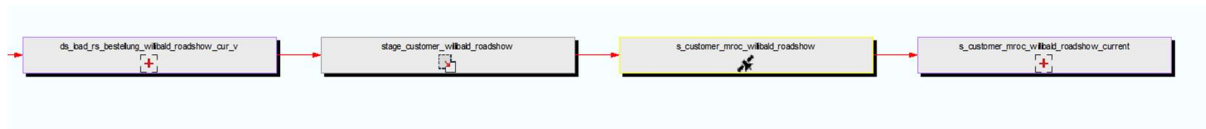
Historical view

Sample Data

Current satellite view

Historical satellite view

Builder | Scheduler | Diagram

SQL Server Development

Data display for ws_DDVUG_SQL_Repo_dev.BV.s_customer_mroc_willibald_roadshow_history

- All Objects
- Business Vault
  - View
    - s_associationpartner_mroc_current
    - s_associationpartner_mroc_history
    - s_category_hl_effectivity_current
    - s_category_hl_effectivity_history
    - s_category_mroc_current
    - s_category_mroc_history
    - s_customer_associationpartner_effectivity_cu
    - s_customer_associationpartner_effectivity_hi
    - s_customer_mroc_willibald_roadshow_curren
    - s_customer_mroc_willibald_roadshow_histor
    - s_customer_mroc_willibald_webshop_curren
    - s_customer_mroc_willibald_webshop_history
    - s_customer_tracking_current
    - s_customer_tracking_history
    - s_delivery_transact_current
    - s_delivery_transact_history
    - s_deliveryaddress_mroc_current
    - s_deliveryaddress_mroc_history
    - s_deliveryservice_mroc_current
    - s_deliveryservice_mroc_history
    - s_livingaddress_ma_current
    - s_livingaddress_ma_history
    - s_order_mroc_willibald_roadshow_current
    - s_order_mroc_willibald_roadshow_history
    - s_order_mroc_willibald_webshop_current

hk_h_custo...	kundeid	vereinspartn...	kreditkarte	gueltigbis	kkfirma	dss_change...	dss_record_...	dss_load_date	dss_start_date	dss_version	dss_create_...	dss_end_date	dss_currer
	61	GlückAuf	0000 4563 ...	08/23	American E...	Š\k...ÈÉ-,o...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
8Ÿ£¹ äç...	379	GlückAuf	0800 8500 ...	03/23	VISA	a°w»©¥—Ö...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
↳õšëõ↑ gl...		GlückAuf	0000 1268 ...	02/18	VISA	¾Ö0©5š,t,à...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
↳rüJÀŠ®µ...	156	GlückAuf	0000 1868 ...	06/92	Mastercard	¥Äi^↑ÐzÑ...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
¹ ?µ ýÍa...	239	GlückAuf	0000 6350 ...	08/19	Mastercard	¼€OzþÍÄ¢...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
¹ È¾ÜVak...	180	GlückAuf	0000 1174 ...	01/15	VISA	ÿcezœ.(ãoN...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
¹ jPZbº¹-6...	357	GlückAuf	0700 2000 ...	04/14	VISA	I¥/&s†m•a¢...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
¹³¼µ9↑Ö...	271	GlückAuf	0000 3581 ...	09/23	Mastercard	↳·ÜIÑ•-5‡U...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
É÷à¾4Ñ...	362	GlückAuf	2516 3000 ...	12/23	VISA	²¦éŸUKÖ¹–...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
–SñuÜ¼I...	150	GlückAuf	0000 0852 ...	05/18	VISA	‡óî˜¶X3êù'!...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
...ä±bãß.ö...	138	GlückAuf	0000 9850 ...	06/20	Mastercard		Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
ž/	259	GlückAuf	0000 6152 ...	09/19	Mastercard	-Dq2ƒ¤YÓQ...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
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ƒx,åf·ÍB&...	74	GlückAuf	0000 6050 ...	01/23	VISA	‗äxñ²¼ä˜...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
¥ħ)Ð¡¶ÿß...		GlückAuf	5600 6000 ...	08/23	Mastercard	RI¼˜†iklÜ...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
¥î°wñîfÚµ...	171	GlückAuf	0000 6628 ...	11/13	American E...	ó²š¥ü¶v×:?í...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
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π['¼Ö†hè...	397	GlückAuf	8624 5100 ...	06/23	Mastercard	ü°š—dI ¬2H	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
†Ì‹		GlückAuf	0000 8153 ...	07/16	Mastercard	A(-Z˜Ñ	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
†i¹Åäo÷¨...		GlückAuf	0000 0585 ...	11/15	American E...	£†>C¤L¹ä÷...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
†ÖŽVN†í↑...		GlückAuf	0000 3660 ...	11/17	American E...	£ž&ÑŒ©Þ...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
◄•>µp%£...	107	GlückAuf	0000 6425 ...	10/23	American E...	yó•-Z4Ã=•P...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
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‡^íÊ§çñÖ	235	GlückAuf	0000 7668 ...	08/14	Mastercard	ŽÄjRik$xbÉ...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
‡sþ‰÷•ó...	133	GlückAuf	0000 8968 ...	11/23	VISA	Öîƒ P|#Áÿ-...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y
‡V ƒzèðÐ...	228	GlückAuf	0000 2768 ...	09/16	Mastercard	¬ò↑¹ª©P.k↳...	Willibald R...	2023-06-02...	2023-06-02...	1	2023-06-02...	9999-12-31...	Y