

























## 14. Key Figures

### Info Mart design

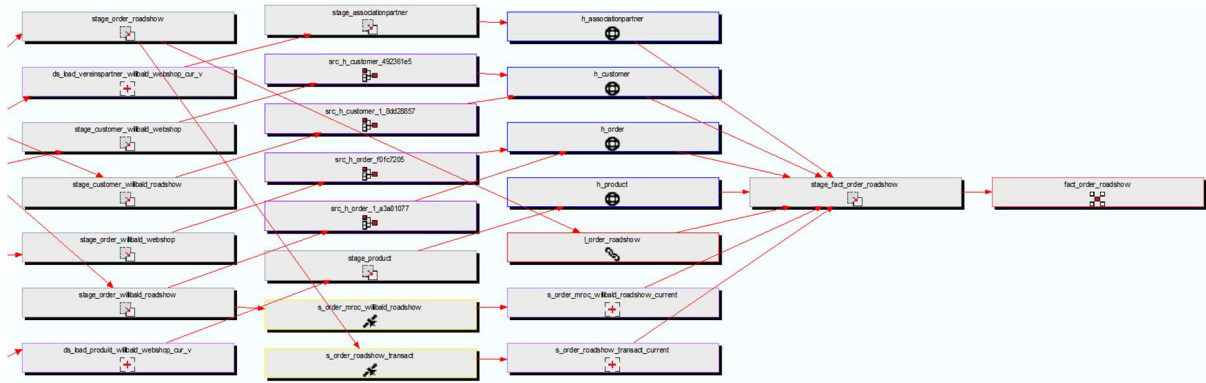
WhereScape consists of two products Wherescape 3D for model driven data warehouse design and WhereScape RED to build and maintain the data warehouse. The design and creation of the Info Mart can be accomplished in either tool, but due to the amount of business rules usually involved in loading the Info Mart, we find it easier to create it in RED. The Info Mart can be created as physical tables or virtualized via views (or a combination of both). We elected to use both physical tables as well as views off of the Date dimension to act as role-playing dimensions.

### Tables in RED

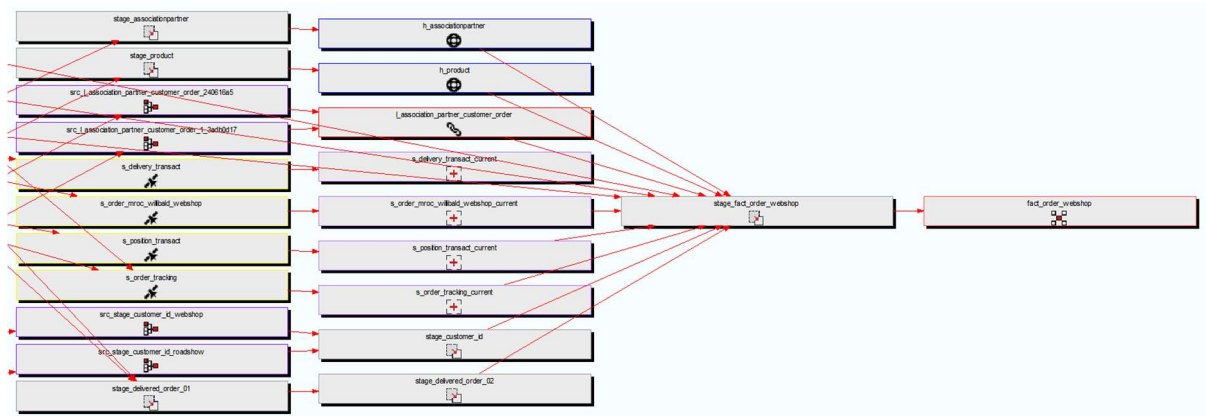
- ▼  Info Mart
  - ▼  Stage Table
    -  stage\_customer\_good
    - >  stage\_customer\_id
      -  stage\_customer\_id\_roadshow
      -  stage\_customer\_id\_webshop
    -  stage\_delivered\_item
    -  stage\_delivered\_order\_01
    -  stage\_delivered\_order\_02
    -  stage\_dim\_associationpartner
    -  stage\_dim\_customer
    -  stage\_dim\_product
    -  stage\_fact\_order\_roadshow
    -  stage\_fact\_order\_webshop
  - ▼  Dimension
    -  dim\_associationpartner
    -  dim\_customer
    -  dim\_product
  - ▼  Fact Table
    -  fact\_order\_roadshow
    -  fact\_order\_webshop
  - ▼  View
    -  dim\_report\_date
    -  dim\_sales\_date

## Data Lineage

### Roadshow Fact



### Webshop Fact



## Sample Data

### Roadshow Fact

dim_customer_key	dim_associationpartner_key	dim_product_key	dim_sales_date_key	bestellid	bestelldatum	verenspart...	kundebk	produktid	menge	preis	rabatt	revenue	dss_create_time	dss_update_time
231	3	41	20220305	RS0000615	2022-03-05	GlückAuf	307	42	26	2.40	4.20	-195.69	2023-06-04 03:...	2023-06-04 03:...
232	3	60	20220305	RS0000639	2022-03-05	GlückAuf	308	61	3	8.00	6.10	-119.95	2023-06-04 03:...	2023-06-04 03:...
232	3	78	20220305	RS0000639	2022-03-05	GlückAuf	308	79	1	1.30	.00	1.27	2023-06-04 03:...	2023-06-04 03:...
232	3	93	20220305	RS0000639	2022-03-05	GlückAuf	308	94	32	3.80	.00	119.17	2023-06-04 03:...	2023-06-04 03:...
233	3	7	20220305	RS0000574	2022-03-05	GlückAuf	309	7	2	7.80	.00	15.29	2023-06-04 03:...	2023-06-04 03:...
233	3	21	20220305	RS0000818	2022-03-05	GlückAuf	309	22	23	2.00	2.20	-54.10	2023-06-04 03:...	2023-06-04 03:...
233	3	97	20220305	RS0000574	2022-03-05	GlückAuf	309	98	19	4.50	9.80	-737.35	2023-06-04 03:...	2023-06-04 03:...
235	3	6	20220305	RS0000516	2022-03-05	GlückAuf	310	6	24	7.00	.60	65.86	2023-06-04 03:...	2023-06-04 03:...
235	3	8	20220305	RS0000482	2022-03-05	GlückAuf	310	9	5	2.80	.00	13.72	2023-06-04 03:...	2023-06-04 03:...
235	3	43	20220305	RS0000545	2022-03-05	GlückAuf	310	44	5	4.00	4.40	-66.64	2023-06-04 03:...	2023-06-04 03:...
236	3	14	20220305	RS0000867	2022-03-05	GlückAuf	311	15	47	4.50	1.50	-103.64	2023-06-04 03:...	2023-06-04 03:...
237	3	2	20220305	RS0000631	2022-03-05	GlückAuf	315	2	17	4.00	.20	53.31	2023-06-04 03:...	2023-06-04 03:...
238	3	54	20220305	RS0000511	2022-03-05	GlückAuf	317	55	9	5.00	5.50	-198.45	2023-06-04 03:...	2023-06-04 03:...
238	3	97	20220305	RS0000863	2022-03-05	GlückAuf	317	98	7	4.50	9.80	-271.66	2023-06-04 03:...	2023-06-04 03:...
239	3	9	20220305	RS0000662	2022-03-05	GlückAuf	319	10	4	.50	1.00	.00	2023-06-04 03:...	2023-06-04 03:...
240	3	61	20220305	RS0000751	2022-03-05	GlückAuf	32	62	35	4.00	6.20	-713.44	2023-06-04 03:...	2023-06-04 03:...
241	3	65	20220305	RS0000732	2022-03-05	GlückAuf	321	66	33	3.00	6.60	-543.31	2023-06-04 03:...	2023-06-04 03:...
242	3	55	20220305	RS0000674	2022-03-05	GlückAuf	325	56	47	6.80	.00	313.21	2023-06-04 03:...	2023-06-04 03:...
242	3	104	20220305	RS0000674	2022-03-05	GlückAuf	325	105	1	5.00	10.50	-46.55	2023-06-04 03:...	2023-06-04 03:...
242	3	110	20220305	RS0000674	2022-03-05	GlückAuf	325	111	7	7.80	.00	53.51	2023-06-04 03:...	2023-06-04 03:...
243	3	12	20220305	RS0000865	2022-03-05	GlückAuf	329	13	13	4.50	1.30	-17.20	2023-06-04 03:...	2023-06-04 03:...

## Webshop Fact

Data display for ws\_DDVUG\_SQL\_Repo\_dev.EDW.fact\_order\_webshop

dim_custome...	dim_associ...	dim_produc...	dim_sales...	bestellngd	kundeib	vereinspart...	produktid	bestelldatum	wunschdatum	lieferdatum	rabatt	posid	menge	preis	revenue	open_order	open_order...
0	0	0	20220305	2	1		8	2022-03-05	2022-03-05	2022-03-07	.00	4	4	8.00	32.00	1	1
0	0	1	20220305	1	1		1	2022-03-05	2022-03-06	2022-03-06	.50	1	1	2.00	1.00	1	1
0	0	2	20220305	1	1		2	2022-03-05	2022-03-06	2022-03-07	.50	2	4	4.00	8.00	1	1
0	0	3	20220305	1	1		3	2022-03-05	2022-03-06	2022-03-08	.50	3	9	5.00	22.50	1	1
0	0	9	20220305	2	1		10	2022-03-05	2022-03-05	2022-03-09	.00	5	4	.50	2.00	1	1
0	0	11	20220305	2	1		12	2022-03-05	2022-03-05	2022-03-08	.00	6	3	4.00	12.00	1	1
0	0	20	20220305	3	1		21	2022-03-05	2022-03-05	2022-03-08	.00	7	9	4.00	36.00	1	1
0	0	23	20220305	3	1		24	2022-03-05	2022-03-05	2022-03-05	.00	8	3	3.00	9.00	1	1
1	1	26	20220305	28	10	Druff1848	27	2022-03-05	2022-03-14	2022-03-08	3.00	69	3	2.00	-12.00	1	1
1	1	54	20220305	28	10	Druff1848	55	2022-03-05	2022-03-14	2022-03-09	3.00	70	4	5.00	-40.00	1	1
1	1	55	20220305	29	10	Druff1848	56	2022-03-05	2022-03-13	2022-03-08	3.00	72	3	7.00	-42.00	1	1
1	1	60	20220305	30	10	Druff1848	61	2022-03-05	2022-03-05	2022-03-08	.00	74	3	8.00	24.00	1	1
1	1	62	20220305	28	10	Druff1848	63	2022-03-05	2022-03-14	2022-03-07	3.00	71	4	.80	-6.40	1	1
1	1	84	20220305	29	10	Druff1848	85	2022-03-05	2022-03-13	2022-03-10	3.00	73	5	1.00	-10.00	1	1
1	1	90	20220305	30	10	Druff1848	91	2022-03-05	2022-03-05	2022-03-08	.00	75	6	1.20	7.20	1	1
1	1	120	20220305	30	10	Druff1848	121	2022-03-05	2022-03-05	2022-03-05	.00	76	3	4.00	12.00	1	1
0	0	2	20220306	300	100		2	2022-03-06	2022-03-06	2022-03-09	.00	751	3	4.00	12.00	1	1
0	0	5	20220306	299	100		5	2022-03-06	2022-03-06	2022-03-11	3.00	748	4	5.00	-40.00	1	1
0	0	13	20220306	298	100		14	2022-03-06	2022-03-18	2022-03-10	3.00	745	8	4.50	-72.00	1	1
0	0	36	20220306	300	100		37	2022-03-06	2022-03-06	2022-03-06	.00	749	3	.50	1.50	1	1

## Product Dimension

Data display for ws\_DDVUG\_SQL\_Repo\_dev.EDW.dim\_product

dim_product_key	produktid	typ	bezeichnung	umfang	preis	pflanzort	pflanzenabstand	katid	katname	dss_record_source	dss_start...	dss_end_date	dss_curren...	dss_version	dss_create...	dss_update...
0	1	2	Amaranth ...	Einstreuer	2.00	Freiland	50 x 20 cm	GMAMAR...	Amaranth	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
1	2	2	Andenbeer...	10	4.00	Freiland	60 x 60 cm	GSTANDEN...	Andenbeere	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
2	3	2	Aubergine...	2	5.00	Gewächsh...	50 x 50 cm	GSTAUBER...	Aubergine	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
3	4	2	Aubergine...	2	5.00	Gewächsh...	50 x 50 cm	GSTAUBER...	Aubergine	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
4	5	2	Aubergine...	2	5.00	Gewächsh...	50 x 50 cm	GSTAUBER...	Aubergine	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
5	6	3	Bete, Rote...	2x 2m	7.00	Freiland	30 x 8 cm	GMBETE	Bete	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
6	7	2	Bete, Rote...	2m	8.00	Freiland	30 x 8 cm	GMBETE	Bete	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
7	9	3	Bete, Gelbe...	2x 2m	3.00	Freiland	30 x 8 cm	GMBETE	Bete	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
8	10	2	Blumenko...	3x 6	.50	Freiland	50 x 40 cm	GSBLUME...	Blumenkohl	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
9	11	2	Bohne, Bus...	24	8.00	Freiland	40 x 30 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
10	12	2	Bohne, Bus...	12	4.00	Freiland	50 x 40 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
11	13	2	Bohne, Bus...	15	4.50	Freiland	50 x 40 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
12	14	2	Bohne, Bus...	15	4.50	Freiland	50 x 40 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
13	15	2	Bohne, Bus...	15	4.50	Freiland	40 x 60 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
14	16	2	Bohne, Puf...	4m	3.00	Freiland	50 x 10 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
15	17	2	Bohne, Puf...	4m	3.50	Freiland	50 x 10 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
16	18	2	Bohne, Wf...	4m	6.00	Freiland	50 x 10 cm	GSCBOHNE	Bohne	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
17	19	2	Brokkoli, R...	8	2.00	Freiland	50 x 40 cm	GSBROCKK...	Brokkoli	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
18	20	2	Chili, Jap...	6	8.00	Freiland	70 x 50 cm	GMCCHILI	Chili	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
19	21	2	Chili, Vietn...	6	4.00	Freiland	30 x 25 cm	GMCCHILI	Chili	Willibald Websh...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...

## Customer Dimension

Data display for ws\_DDVUG\_SQL\_Repo\_dev.EDW.dim\_customer

dim_customer_key	kundeib	kundeid	vereinspart...	vorname	name	geschlecht	geburtsdatum	telefon	mobil	email	kreditkarte	guelteibis	kkfirma	dss_start...	dss_end_date	dss_curren...
0	10	10	Druff1848	Elgine	Röhrle	w	1			elgineroeh...	0000 8487 ...	08/17	Mastercard	1900-01-01...	2999-12-31...	Y
1	100	100	GlückAuf	Friedlieb	Jimenez	m	1	06554/4861...		friedlieb.ji...	0000 5766 ...	06/99	Mastercard	1900-01-01...	2999-12-31...	Y
2	101	101	Druff1848	Anouschka	Schwegma...	d	1	06361/3677...	0164/24327...	anouschka...	0000 6071 ...	12/18	American ...	1900-01-01...	2999-12-31...	Y
3	102	102	GlückAuf	Rosely	Zender	w	2	06131/1596...	0172/83153...	rzender@...	0000 5650 ...	11/23	Mastercard	1900-01-01...	2999-12-31...	Y
4	103	103	VolleRose	Josefine	Bernecker	d	1		0173/52121...	josefine.be...	0000 1453 ...	02/21	VISA	1900-01-01...	2999-12-31...	Y
5	104	104		Sigfried	Veith	m	1			sigfried_vei...	0000 1570 ...	10/90	Mastercard	1900-01-01...	2999-12-31...	Y
6	105	105		Mechthilde	Fitzner	w	1	08230/8808...	0152/54157...	mechthild...	0000 1574 ...	06/23	VISA	1900-01-01...	2999-12-31...	Y
7	106	106		Rosely	Eggers	w	1	06771/2501...	0154/76141...	rosely_197...	0000 5720 ...	02/83	VISA	1900-01-01...	2999-12-31...	Y
8	107	107	GlückAuf	Waltraud	Thier	w	1	07157/8524...	0165/45438...	waltraudth...	0000 6425 ...	10/23	American ...	1900-01-01...	2999-12-31...	Y
9	108	108		Willibert	Wanders	w	1	07025/1917...	0179/36134...	willibert_w...	0000 6558 ...	01/16	VISA	1900-01-01...	2999-12-31...	Y
10	109	109	Ruhrmorig	Erike	Buchheim	w	1	04153/5921...		erike_buc...	0000 8426 ...	08/19	Mastercard	1900-01-01...	2999-12-31...	Y
11	11	11		Hildburga	Manin	w	1		0152/36956...	hildburga_...	0000 4768 ...	04/21	VISA	1900-01-01...	2999-12-31...	Y
12	110	110	Blaetterglu...	Mattis	Burghard	m	1	02832/9368...	0166/12881...	mattis_bur...	0000 4329 ...	07/16	Mastercard	1900-01-01...	2999-12-31...	Y
13	111	111	GlückAuf	Svea	Eckel	w	1		0162/71718...	sueckel@be...	0000 4076 ...	05/87	VISA	1900-01-01...	2999-12-31...	Y
14	112	112	Wochehen...	Walther	Reichhardt	m	1	06564/9704...	0156/28579...	w.reichhar...	0000 0650 ...	04/89	VISA	1900-01-01...	2999-12-31...	Y
15	113	113		Lotta	Wüestefeld	w	1			lwuestefel...	0000 7547 ...	11/14	American ...	1900-01-01...	2999-12-31...	Y
16	114	114	Druff1848	Innozenz	Wilke	m	1	04547/8114...	0171/78502...	innozenz_...	0000 8225 ...	10/86	Mastercard	1900-01-01...	2999-12-31...	Y
17	115	115	GlückAuf	Irmlind	Demirel	w	2	06727/6335...	0169/12909...	idemirel@...	0000 0778 ...	03/23	Mastercard	1900-01-01...	2999-12-31...	Y
18	116	116	VolleRose	Erkhid	Bödecker	w	1	02131/8843...	0170/47071...	e-boedeck...	0000 3648 ...	11/23	American ...	1900-01-01...	2999-12-31...	Y
19	117	117	GlückAuf	Karlguinter	Lindenau	m	1		0171/13869...	karlguente...	0000 7784 ...	10/15	Mastercard	1900-01-01...	2999-12-31...	Y

## Association Partner Dimension

Data display for ws\_DDVUG\_SQL\_Repo\_dev.EDW.dim\_associationpartner

dim_associationpartner_key	hk_h_assoc...	vereinspart...	kundeidverein	rabatt1	rabatt2	rabatt3	dss_record...	dss_start...	dss_end_date	dss_curren...	dss_version	dss_create...	dss_update...
0	Unknown	Unknown	Unknown				Unknown	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
1	¼éµ-<x©...	Druff1848	42	3		6	Willibald ...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
2	Àùp-ZÁSj...	Ruhrmorig	146	3		6	Willibald ...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
3	âZñuÄx-ÿŠ...	GlückAuf	5	2		4	Willibald ...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
4	êz-ÿXöðN...	Wochehen...	99	5		10	Willibald ...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
5	Gb^6UñçT...	VolleRose	218	1		2	Willibald ...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...
6	Nñ<e->+P...	Blaetterglu...	84	4		8	Willibald ...	1900-01-01...	2999-12-31...	Y	1	2023-06-04...	2023-06-04...