

data**sqill**

ETL mit SQL

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data  **sqill**

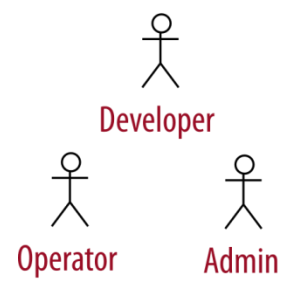
datasqill Highlights



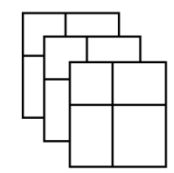
- schlanke **ETL Suite** basierend auf **Oracle PL/SQL** und **Oracle Scheduler**
- die Ausführung erfolgt **in der Oracle Datenbank**
- kombiniert **SQL** als Transformationssprache mit einer grafischen Modellierung
- enthält **Standardmodule** für Queries, **Datenhistorisierung**
- ist **erweiterbar** durch eigene Module
- gewährleistet **eine automatische Generierung des Ablaufs**
- Anbindung an fremde **Datenbanken, Flat Files** und **Web Services**



datasqill Architektur

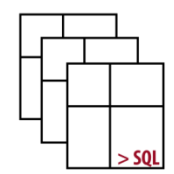


Configuration DB

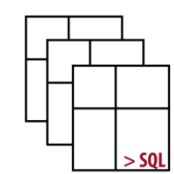


- Connections to Transformation DBs
- Remote DBs and Schemas
- Encrypted Remote DB Connections
- Global Config Parameter

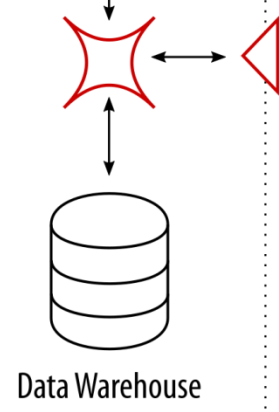
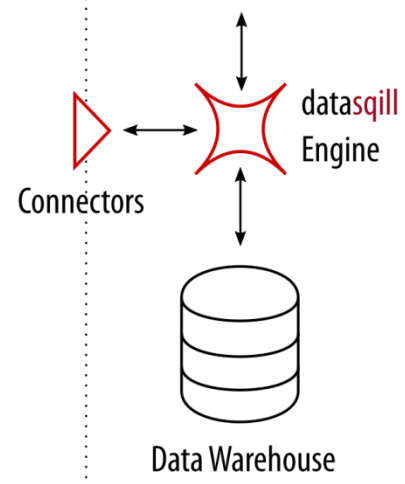
Transformation DB datasqill Repository



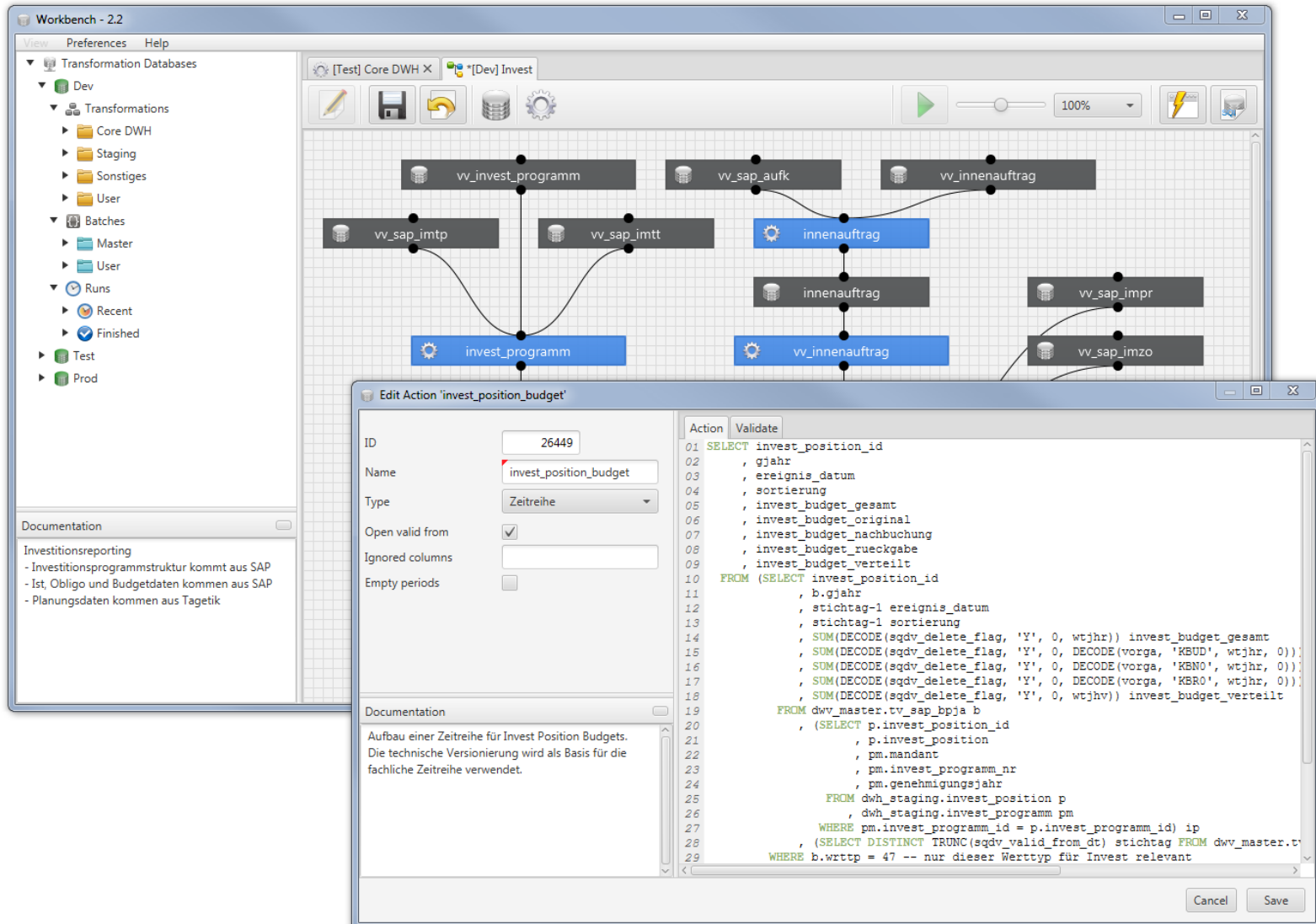
Transformation DB



- Remote DBs to Connections
- Local Config Parameters
- Transformations Metadata
- ✧ Engine and Scheduler
- ▷ Connectors



datasqill Übersicht



The screenshot displays the Workbench - 2.2 software interface. The main window shows a data flow diagram with nodes representing tables and views. The diagram includes nodes for 'invest_programm', 'vv_innenauftrag', 'innenauftrag', 'vv_sap_impr', 'vv_sap_imzo', 'vv_innenauftrag', 'vv_sap_imtp', 'vv_sap_imtt', 'vv_invest_programm', 'vv_sap_aufk', and 'vv_innenauftrag'. The diagram is set against a grid background.

An 'Edit Action' window is open in the foreground, titled 'invest_position_budget'. It contains the following fields:

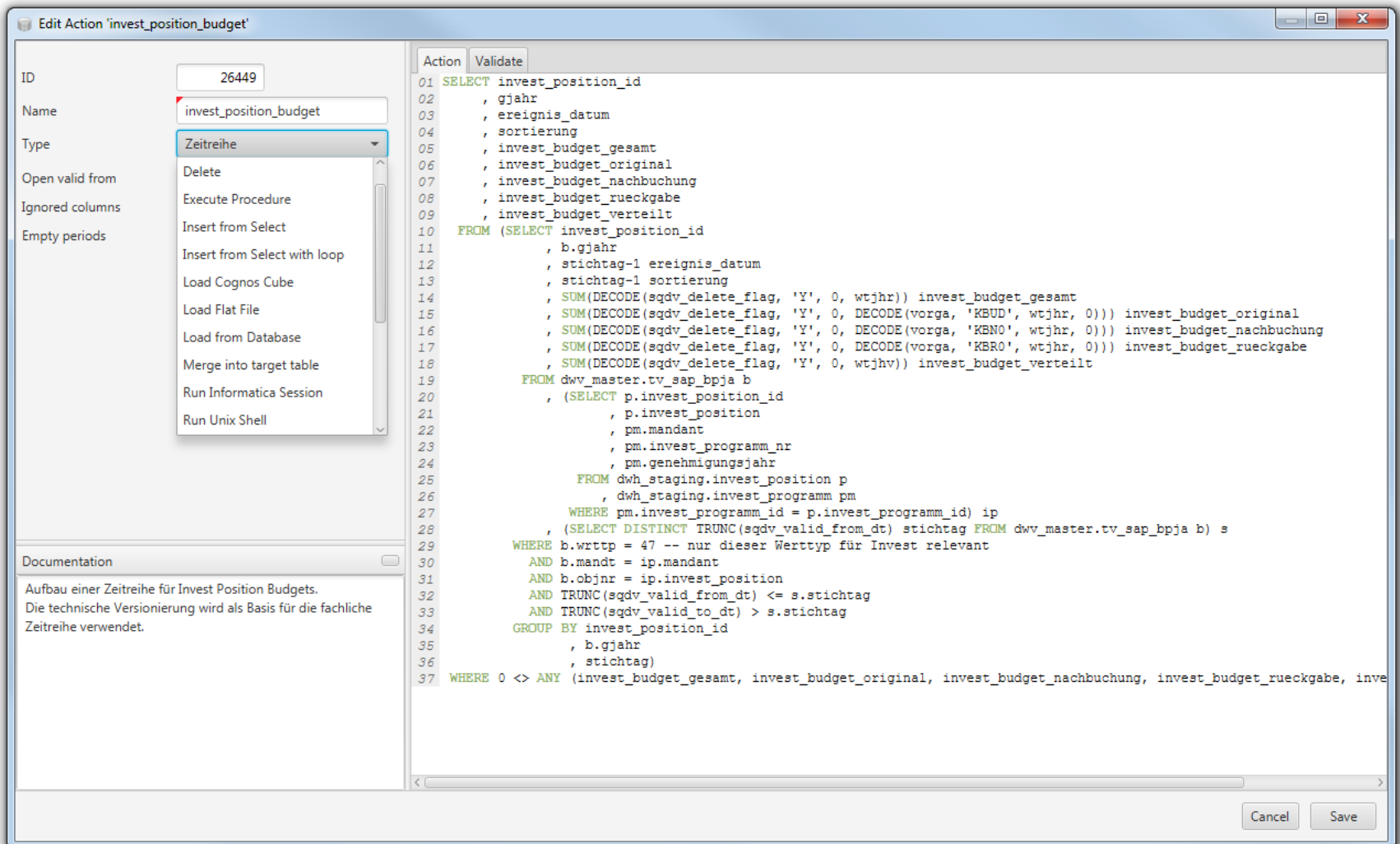
- ID: 26449
- Name: invest_position_budget
- Type: Zeitreihe
- Open valid from:
- Ignored columns:
- Empty periods:

The 'Documentation' section of the window contains the text: 'Aufbau einer Zeitreihe für Invest Position Budgets. Die technische Versionierung wird als Basis für die fachliche Zeitreihe verwendet.'

The SQL editor window shows the following code:

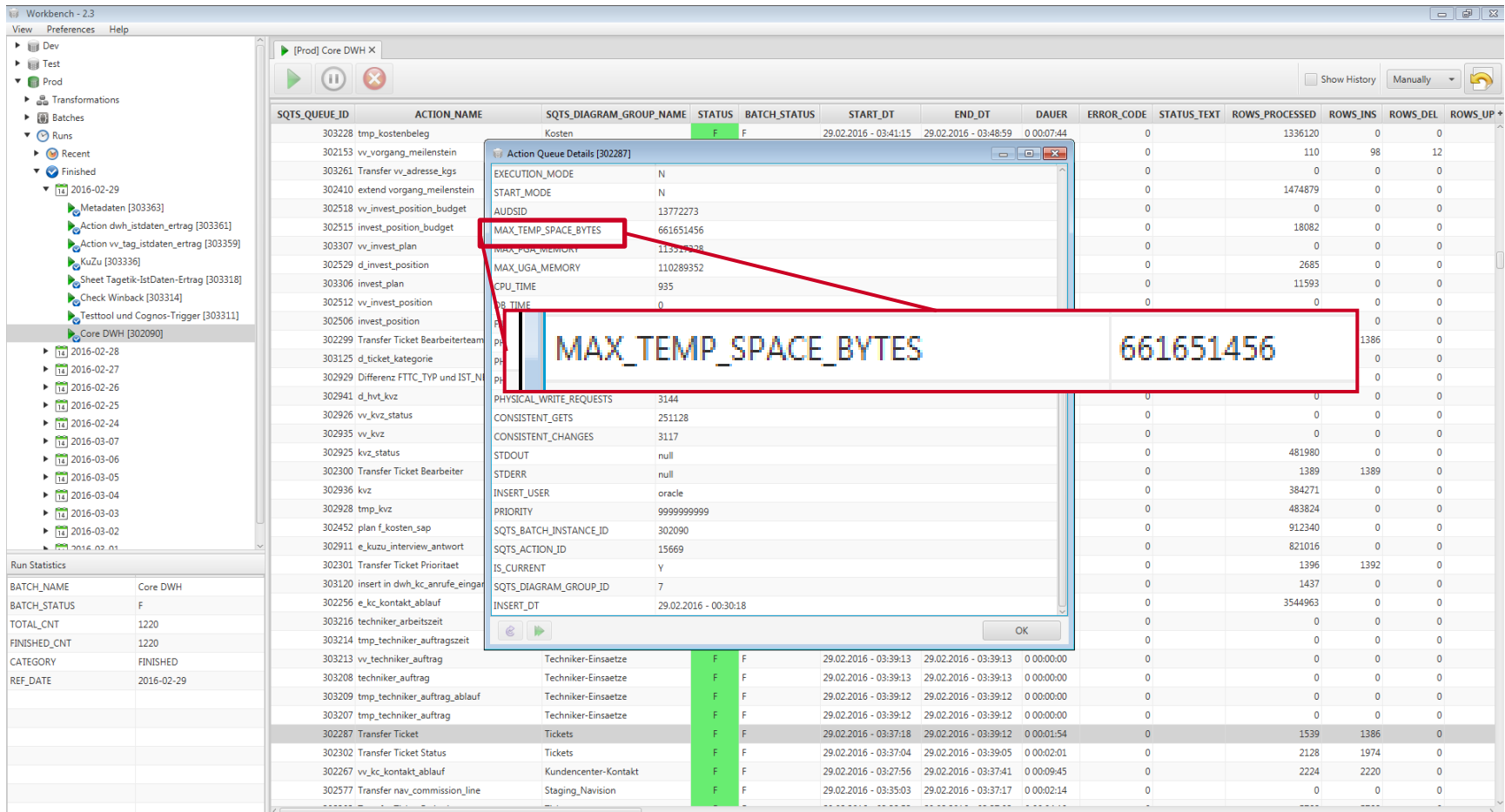
```
01 SELECT invest_position_id
02 , gjahr
03 , ereignis_datum
04 , sortierung
05 , invest_budget_gesamt
06 , invest_budget_original
07 , invest_budget_nachbuchung
08 , invest_budget_rueckgabe
09 , invest_budget_verteilt
10 FROM (SELECT invest_position_id
11 , b.gjahr
12 , stichtag-1 ereignis_datum
13 , stichtag-1 sortierung
14 , SUM(DECODE(sgdv_delete_flag, 'Y', 0, wtjhr)) invest_budget_gesamt
15 , SUM(DECODE(sgdv_delete_flag, 'Y', 0, DECODE(vorga, 'KBUD', wtjhr, 0)))
16 , SUM(DECODE(sgdv_delete_flag, 'Y', 0, DECODE(vorga, 'KBNO', wtjhr, 0)))
17 , SUM(DECODE(sgdv_delete_flag, 'Y', 0, DECODE(vorga, 'KBRO', wtjhr, 0)))
18 , SUM(DECODE(sgdv_delete_flag, 'Y', 0, wtjhr)) invest_budget_verteilt
19 FROM dwv_master.tv_sap_bpja b
20 , (SELECT p.invest_position_id
21 , p.invest_position
22 , pm.mandant
23 , pm.invest_programm_nr
24 , pm.genehmigungsjahr
25 FROM dwh_staging.invest_position p
26 , dwh_staging.invest_programm pm
27 WHERE pm.invest_programm_id = p.invest_programm_id) ip
28 , (SELECT DISTINCT TRUNC(sgdv_valid_from_dt) stichtag FROM dwv_master.t
29 WHERE b.wrttyp = 47 -- nur dieser Werttyp für Invest relevant
```

dataSQL SQL und Standardmodule



01 SELECT invest_position_id
02 , gjahr
03 , ereignis_datum
04 , sortierung
05 , invest_budget_gesamt
06 , invest_budget_original
07 , invest_budget_nachbuchung
08 , invest_budget_rueckgabe
09 , invest_budget_verteilt
10 FROM (SELECT invest_position_id
11 , b.gjahr
12 , stichtag-1 ereignis_datum
13 , stichtag-1 sortierung
14 , SUM(DECODE(sqdv_delete_flag, 'Y', 0, wtjhr)) invest_budget_gesamt
15 , SUM(DECODE(sqdv_delete_flag, 'Y', 0, DECODE(vorga, 'KBUD', wtjhr, 0))) invest_budget_original
16 , SUM(DECODE(sqdv_delete_flag, 'Y', 0, DECODE(vorga, 'RBNO', wtjhr, 0))) invest_budget_nachbuchung
17 , SUM(DECODE(sqdv_delete_flag, 'Y', 0, DECODE(vorga, 'RBRO', wtjhr, 0))) invest_budget_rueckgabe
18 , SUM(DECODE(sqdv_delete_flag, 'Y', 0, wtjhr)) invest_budget_verteilt
19 FROM dwv_master.tv_sap_bpja b
20 , (SELECT p.invest_position_id
21 , p.invest_position
22 , pm.mandant
23 , pm.invest_programm_nr
24 , pm.genehmigungsjahr
25 FROM dwv_staging.invest_position p
26 , dwv_staging.invest_programm pm
27 WHERE pm.invest_programm_id = p.invest_programm_id) ip
28 , (SELECT DISTINCT TRUNC(sqdv_valid_from_dt) stichtag FROM dwv_master.tv_sap_bpja b) s
29 WHERE b.wrttp = 47 -- nur dieser Werttyp für Invest relevant
30 AND b.mandt = ip.mandant
31 AND b.objnr = ip.invest_position
32 AND TRUNC(sqdv_valid_from_dt) <= s.stichtag
33 AND TRUNC(sqdv_valid_to_dt) > s.stichtag
34 GROUP BY invest_position_id
35 , b.gjahr
36 , stichtag)
37 WHERE 0 <> ANY (invest_budget_gesamt, invest_budget_original, invest_budget_nachbuchung, invest_budget_rueckgabe, inve

datasqill selbst-optimierender Ablauf



The screenshot displays the Workbench - 2.3 interface. The main window shows a table of execution details for a batch named 'Core DWH'. The table columns include SQTS_QUEUE_ID, ACTION_NAME, SQTS_DIAGRAM_GROUP_NAME, STATUS, BATCH_STATUS, START_DT, END_DT, DAUER, ERROR_CODE, STATUS_TEXT, ROWS_PROCESSED, ROWS_INS, ROWS_DEL, and ROWS_UP. A dialog box titled 'Action Queue Details [302287]' is open, showing a table of execution metrics for a specific action. The 'MAX_TEMP_SPACE_BYTES' value is highlighted in red, and a red box around it contains the text 'MAX_TEMP_SPACE_BYTES' and '661651456'.

SQTS_QUEUE_ID	ACTION_NAME	SQTS_DIAGRAM_GROUP_NAME	STATUS	BATCH_STATUS	START_DT	END_DT	DAUER	ERROR_CODE	STATUS_TEXT	ROWS_PROCESSED	ROWS_INS	ROWS_DEL	ROWS_UP
303228	tmp_kostenbeleg	Kosten	F	F	29.02.2016 - 03:41:15	29.02.2016 - 03:48:59	0 00:07:44	0		1336120	0	0	
302153	vv_vorgang_mellenstein		F	F				0		110	98	12	
303261	Transfer vv_adresse_kgs		F	F				0		0	0	0	
302410	extend vorgang_mellenstein		F	F				0		1474879	0	0	
302518	vv_invest_position_budget		F	F				0		0	0	0	
302515	invest_position_budget		F	F				0		18082	0	0	
303307	vv_invest_plan		F	F				0		0	0	0	
302529	d_invest_position		F	F				0		110289352	0	0	
303306	invest_plan		F	F				0		2685	0	0	
302512	vv_invest_position		F	F				0		11593	0	0	
302506	invest_position		F	F				0		0	0	0	
302299	Transfer Ticket Bearbeiterteam		F	F				0		0	0	0	
303125	d_ticket_kategorie		F	F				0		1386	0	0	
302929	Differenz FTTC_TYP und IST_N		F	F				0		0	0	0	
302941	d_hvt_kvz		F	F				0		0	0	0	
302926	vv_kvz_status		F	F				0		0	0	0	
302935	vv_kvz		F	F				0		0	0	0	
302925	kvz_status		F	F				0		481980	0	0	
302300	Transfer Ticket Bearbeiter		F	F				0		1389	1389	0	
302936	kvz		F	F				0		384271	0	0	
302928	tmp_kvz		F	F				0		483824	0	0	
302452	plan_f_kosten_sap		F	F				0		912340	0	0	
302911	e_kuzu_interview_antwort		F	F				0		821016	0	0	
302301	Transfer Ticket Prioritaet		F	F				0		1396	1392	0	
303120	insert in dw_h_kc_anrufe_eingar		F	F				0		1437	0	0	
302256	e_kc_kontakt_ablauf		F	F				0		3544963	0	0	
303216	techniker_arbeitszeit		F	F				0		0	0	0	
303214	tmp_techniker_auftragszeit		F	F				0		0	0	0	
303213	vv_techniker_auftrag	Techniker-Einsatze	F	F	29.02.2016 - 03:39:13	29.02.2016 - 03:39:13	0 00:00:00	0		0	0	0	
303208	techniker_auftrag	Techniker-Einsatze	F	F	29.02.2016 - 03:39:13	29.02.2016 - 03:39:13	0 00:00:00	0		0	0	0	
303209	tmp_techniker_auftrag_ablauf	Techniker-Einsatze	F	F	29.02.2016 - 03:39:12	29.02.2016 - 03:39:12	0 00:00:00	0		0	0	0	
303207	tmp_techniker_auftrag	Techniker-Einsatze	F	F	29.02.2016 - 03:39:12	29.02.2016 - 03:39:12	0 00:00:00	0		0	0	0	
302287	Transfer Ticket	Tickets	F	F	29.02.2016 - 03:37:18	29.02.2016 - 03:39:12	0 00:01:54	0		1539	1386	0	
302302	Transfer Ticket Status	Tickets	F	F	29.02.2016 - 03:37:04	29.02.2016 - 03:39:05	0 00:02:01	0		2128	1974	0	
302267	vv_kc_kontakt_ablauf	Kundencenter-Kontakt	F	F	29.02.2016 - 03:27:56	29.02.2016 - 03:37:41	0 00:09:45	0		2224	2220	0	
302577	Transfer nav_commission_line	Staging_Navision	F	F	29.02.2016 - 03:35:03	29.02.2016 - 03:37:17	0 00:02:14	0		0	0	0	

Danke



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