



# THE POST-ETL SMARTER DATA ENGINEERING

datasqill is a lightweight data transformation and data engineering solution for massive data processing in context of data warehousing, data science, data integration and data migration.

datasqill executes transformations directly in the environment where data is stored which leads to higher performance and transparency. datasqill helps customers get the best out of their data storage solutions and brings it to the next level with rich integration capabilities, smart orchestration, reliable scheduling and customizability.

datasqill is an All-in-One solution that allows development, execution, scheduling and monitoring of data transformations, all within one tool, making it a perfect ETL / ELT choice for all data engineering needs.

## Data Transformation Solution For



### Data Warehousing and BI

Implement ETL and ELT, stage source systems, load 3NF cores, Data Marts, Data Vaults and communicate with reporting systems.



### Mass Data and Big Data

Perform data transformations directly in the environment where data is stored to achieve high performance and minimize network traffic.



### Data Migration

Extract data from legacy systems. Cleanse, transform, map and populate data directly into new system.



### In-Memory Databases

Program and run transformations with SQL or database-native scripting and utilize natural power of In-Memory Databases.



### Data Integration

Unify data from heterogeneous sources, parse various formats and publish output in different formats.



### Cloud

Perform and control data transformations running across Cloud and On-Premises solutions seamlessly.

## Integration Capabilities



Databases



Cloud Services



Big Data



Flat Files



ERP/CRM Systems



Custom Scripts



External Scheduler



Reporting Tools

# Highlights



## Native Execution

Transformations get pushed down into the environment where data is stored, which allows using datasqill for performant and transparent data processing in ELT and ETL Scenarios.



## SQL Support

SQL is a universal transformation and interface language that can be used in all development stages with datasqill: from prototyping to implementation thus making development process more agile.



## Smart Orchestration

datasqill identifies dependencies between transformations based on the metadata and executes them in a correct order without creating special job nets thus saving developer efforts and minimizing mistakes.



## Modularization

datasqill provides a number of modules to streamline transformation routines. Custom modules can be built using generic or database-native technologies and integrated seamlessly.



## Reliable Scheduling

datasqill allows scheduled execution of transformation batches while considering inter-batch dependencies and providing visual insights into running batches and control over them.

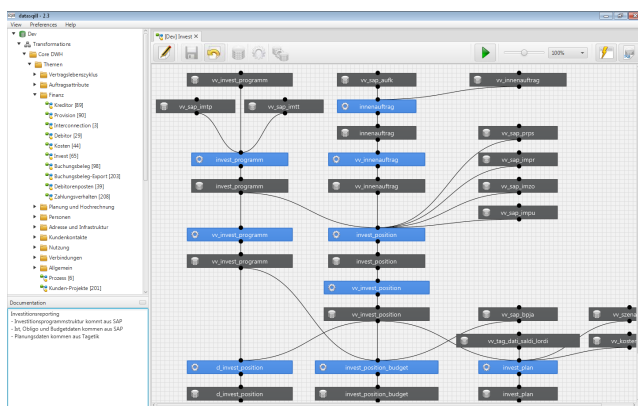


## Built-in Data Historization

Built-in historization solution for databases allows efficient data management for scenarios like Slowly Changing Dimensions (SCD2), data staging and maintaining mapping tables.

# All-in-One Solution

datasqill is a Client-Server Solution based on the modular architecture that ensures high level of stability and performance, wide integration capabilities and customizability. datasqill Client allows efficient and intuitive development, running and scheduling of transformations and batches, all within one tool.



ID	ACTION NAME	SQL_SCHEMA	GROUP NAME	START_DT	END_DT	DATABASE	ROWS PROCESSED	ROW%
40613	Viewaus Standard	Kampagnen-Export		13.05.2016-02:05:33	13.05.2016-02:06:47	030012	0	0.00000
40618	Invest_position_Budget	Invest		13.05.2016-02:05:59	13.05.2016-02:06:21	030002	0	0.00000
40617	Invest_plan	Invest		13.05.2016-02:05:57	13.05.2016-02:06:21	030005	0	0.00000
40689	Invest_position	Invest		13.05.2016-02:05:54	13.05.2016-02:05:54	030002	3044	0.00000
40676	Invest_plan	Invest		13.05.2016-02:05:47	13.05.2016-02:05:51	030004	12981	0.00000
40675	Invest_position_Budget	Invest		13.05.2016-02:05:45	13.05.2016-02:06:01	030029	18388	0.00000
40672	Invest_position	Invest		13.05.2016-02:05:33	13.05.2016-02:05:51	030002	310	0.00000
40686	Invest_position	Invest		13.05.2016-02:05:29	13.05.2016-02:06:34	030009	4647	0.00000
40674	Invest_mapping	Invest		13.05.2016-02:04:49	13.05.2016-02:04:51	030002	10	0.00000
40671	Invest_programm	Invest		13.05.2016-02:04:33	13.05.2016-02:04:34	030005	0	0.00000
40685	Invest_programm	Invest		13.05.2016-02:04:23	13.05.2016-02:04:24	030005	2	0.00000
40673	Invest_mapping	Invest		13.05.2016-02:04:11	13.05.2016-02:04:21	030005	3422	0.00000
40657	Invest_plan	Invest		13.05.2016-02:04:05	13.05.2016-02:04:27	030002	0	0.00000
40656	Invest_plan	Invest		13.05.2016-02:04:03	13.05.2016-02:04:31	030002	0	0.00000
40670	Invest_mapping	Invest		13.05.2016-02:04:01	13.05.2016-02:04:21	030002	32	0.00000
40649	Invest_programm	Invest		13.05.2016-02:03:57	13.05.2016-02:04:11	030006	223	0.00000
40648	Invest_programm	Invest		13.05.2016-02:03:29	13.05.2016-02:03:29	030008	30889	0.00000
40652	Invest_mapping	Invest		13.05.2016-02:03:04	13.05.2016-02:03:29	030029	20427	0.00000
40647	DM-Geografiebereitungen	Investcenter_DM		13.05.2016-02:04:53	13.05.2016-02:04:27	030014	100706	0.00000
40644	Kontakte	Investcenter_DM		13.05.2016-02:05:10	13.05.2016-02:04:52	030002	2033	0.00000
40646	Gebäude_ID Zuordnung	Investcenter_DM		13.05.2016-02:03:33	13.05.2016-02:04:01	030005	47086	0.00000
40649	Gebäude_ID Zuordnung	Investcenter_DM		13.05.2016-02:03:36	13.05.2016-02:04:01	030005	22	0.00000
40644	Investcenter Adressenpool	Investcenter_DM		13.05.2016-02:03:10	13.05.2016-02:03:59	030005	27	0.00000
40644	Investcenter Adressenpool	Investcenter_DM		13.05.2016-02:03:09	13.05.2016-02:03:59	030005	240782	0.00000
40642	Adressen	Investcenter_DM		13.05.2016-02:00:59	13.05.2016-02:03:17	030038	148205	0.00000
40641	Investcenter Adressenpool	Investcenter_DM		13.05.2016-02:00:42	13.05.2016-02:00:57	030005	240848	0.00000
40670	Investcenter Adressenpool	Investcenter_DM		13.05.2016-02:00:14	13.05.2016-02:00:59	030005	20529	0.00000
40623	Checks Update und Merge	Investcenter_DM		13.05.2016-02:29:33	13.05.2016-02:29:33	030002	0	0.00000
40620	Check_Compact	Investcenter_DM		13.05.2016-02:14:18	13.05.2016-02:14:17	030038	0	0.00000
40671	Merge_EU_AKTIV	Investcenter_DM		13.05.2016-02:08:45	13.05.2016-02:08:50	030005	0	0.00000
40617	Investcenter Adressenpool	Investcenter_DM		13.05.2016-02:01:15	13.05.2016-02:01:17	030005	0	0.00000

# Request a Demo

We would be glad to show you how datasqill can improve your data transformation processes and address your data engineering challenges. Feel free to contact us at [contact@datasqill.de](mailto:contact@datasqill.de).