



SMART DATA FRAMEWORKS

WHY DO I NEED THIS?

If you need to:

- Migrate an existing PureData for Analytics (PDA)/Netezza, Snowflake, Redshift, Yellowbrick, Oracle, SQL Server, Teradata, MySQL, Greenplum, PostgreSQL, Google Big Table, or Db2 database to any of the above database types with just a few clicks
- keep a source and target system in sync by periodically detecting and migrating deltas between the two
- reconcile and validate that migrated data matches source data
- automatically, regularly, and reliably load sequences of flat file source data in the most performant way possible
- automatically generate custom extract, load, and transform (ELT) and data quality detection logic
- run SQL scripts against any ODBC-compliant database from any device via a web browser



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Smart Data Frameworks (SDF) improves developer productivity, quality, and consistency, whilst simultaneously reducing development, testing, and maintenance timescales, costs, and risk.

HOW DOES IT WORK?

Smart Data Frameworks consists of:

- a flatpack container comprising a number of pre-installed software components

- a dedicated metadata database repository for storing control and log information
- customisable templates for performing data management tasks other than just loading e.g. referential integrity checking; database housekeeping; etc.
- a portable GUI front end (that runs on Windows, OSX, Linux, and HTML 5 web clients) for configuring Framework metadata parameters and monitoring the status of executed code
- a command line interface for the scripting/scheduling/execution of Framework data management processes

THE RESULT?

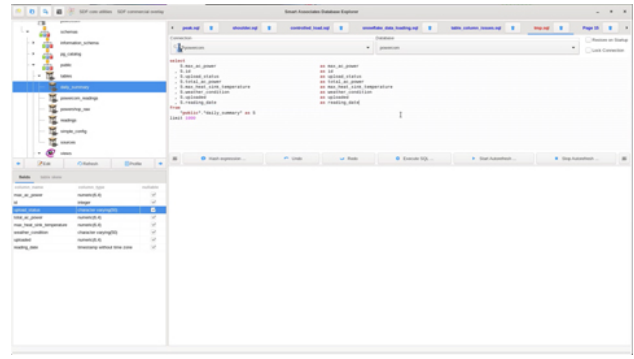
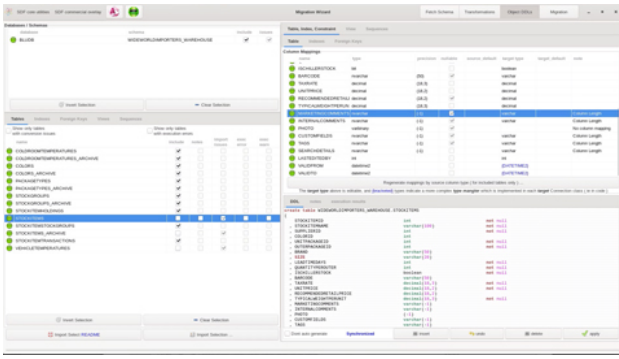
- Faster, cheaper, better data integration
- Shorter time to value
- Developers and DBAs can focus on higher-value business user needs
- Takes the risk, cost, and time out of 'Lift and Shift' type migrations as well as ongoing data maintenance activities

OTHER FEATURES

- integrated Release Management for migrating code and database objects between different environments
- automatic email alerts when scheduled processes fail, for whatever reason
- native Teradata function and feature (e.g. SET tables, case insensitive character comparisons) compatibility

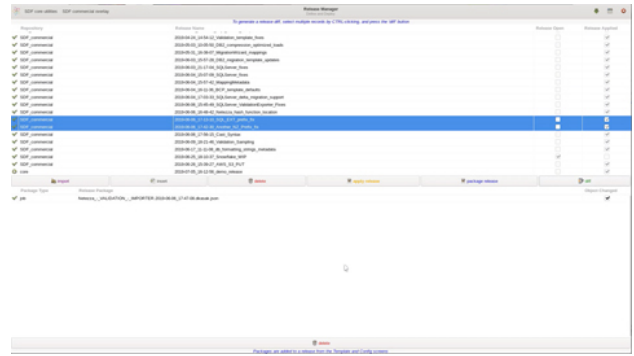
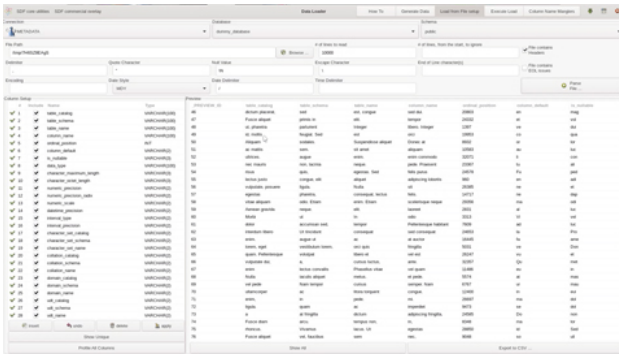
AUTOMATED DATABASE CONVERSION & MIGRATION WIZARD

WEB BROWSER-BASED DATABASE EXPLORER INTERFACE



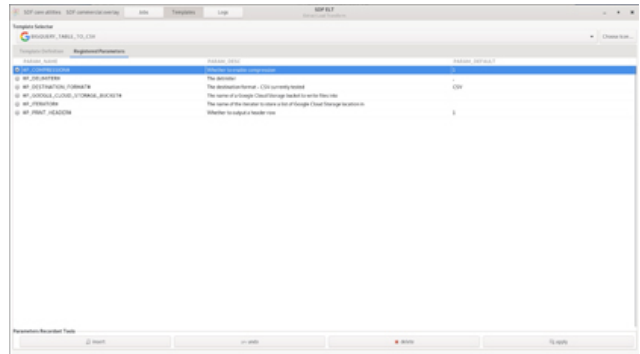
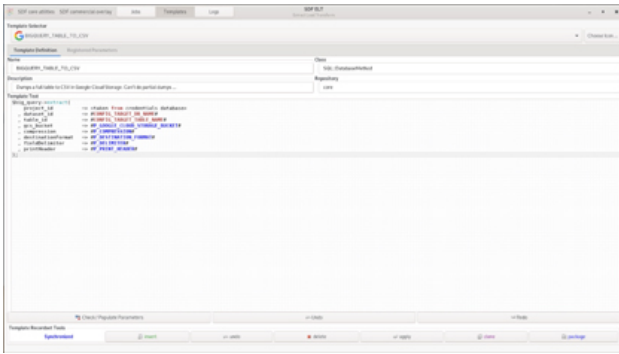
FILE LAYOUT DEFINITION & CONTINUOUS LOADING WIZARD

INTEGRATED RELEASE MANAGEMENT



CUSTOMISABLE CODE TEMPLATE-DRIVEN DEVELOPMENT

PARAMETER SUBSTITUTION FOR TEMPLATE REUSABILITY



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