Individual Standard

DNGMig

ABOUT US

We are a young technology company specializing in the consultancy and implementation of tools and methods in Software Engineering. Currently, our main focus is on Automotive Software Engineering. Our company name, **Individual Standard,** is our mission as we individualize, customize and extend standard software in such a way that it fits exactly to the processes of our customers.

Thanks to the numerous work and projects with DOORS Classic and DOORS Next Generation as well as with the ReqIF format, we have become a leading expert in the migration from DOORS Classic to DOORS Next Generation.

Migration from DOORS to DOORS Next Generation

Contact us

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More information about our tool?
Folllow our tutorials on YouTube:
 www.youtube.com/watch?v=9OmA7aLkGTg
or visit our website:
 www.individual-standard.com

We look forward to hearing from you!

✓ No preparations (DOORS) or postprocessing (DNG) needed

✓ Automatic mapping of identical attributes and data types

✓ Harmonization of similar attributes and data types

✓ Automatic report on excecuted commands

✓ Highly customizable through command concept

DOORS Classic → **Extraction** → ReqIF → **Transformation** → ReqIF → **Loading** → ReqIF → DOORS Next

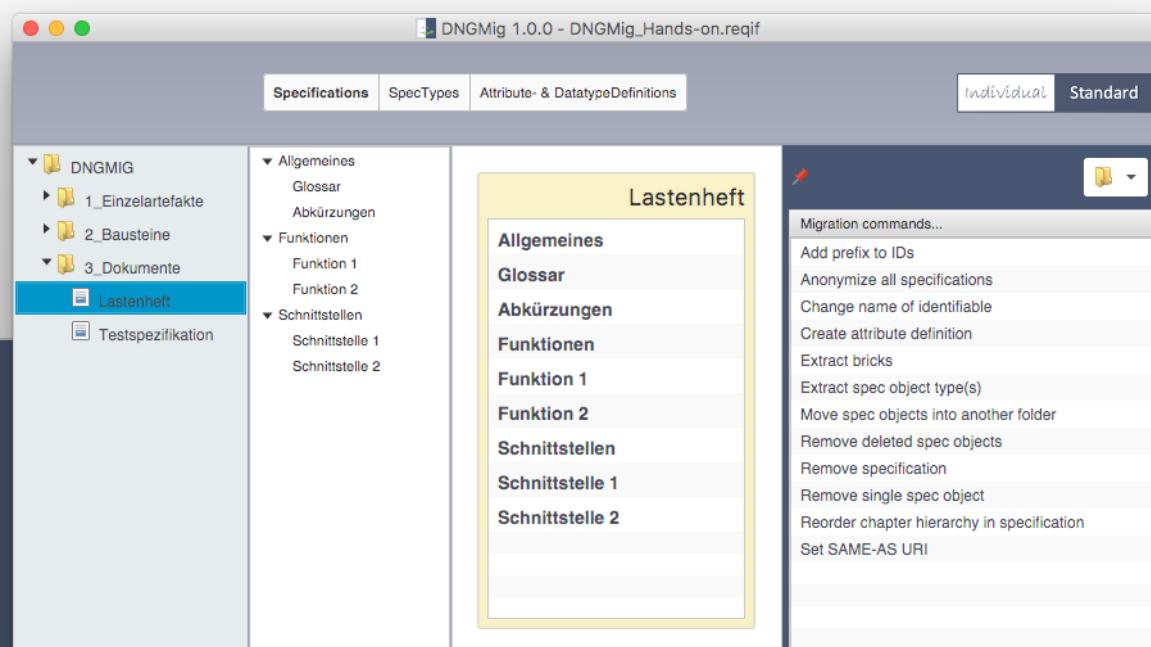## OUR MIGRATION APPROACH: ETL-PROCESS

We provide a tool for the automatic migration of DOORS modules!

Automatic migration using ReqIF

With our *DNGMig*, we have developed a tool that tremendously simplifies the migration from DOORS Classic modules to DOORS Next Generation. The tool is based on ReqIF, a standard exchange format for requirements, and implements an ETL-Process:

- **E**xtraction of DOORS projects into the ReqIF format
- **T**ransformation of the extracted ReqIF using DNGMig
- **L**oading of the transformed ReqIF into DOORS Next Generation

The DNGMig is highly extensible. Internally, it makes use of highly reusable yet powerful transformation rules, which are combined into migration commands. This way, individual migration commands can be implemented very easily and quickly. The DNGMig already supports a variety of standard migration commands out-of-the-box. The most important commands are described below: ➡

EXAMPLES FOR MIGRATION COMMANDS

✓ Merge ReqIF files

The DOORS Module can be distributed over several ReqIF files. In order to find similar attribute and data types, there is a command to merge different ReqIF files into a single ReqIF file.

✓ Harmonize attributes and data types

In DOORS Classic, similar attribute types and and data types can be defined in different modules. A migration command developed by us compares the attributes and data types and tries to harmonize them. Possible conflicts can be resolved automatically.

✓ Extraction of object types - Object types become artefact types

By using an attribute in your DOORS Classic modules, you are currently maintaining different object types, e.g. requirement, test case etc.? The DNGMig provides you with a migration command that is capable of generating explicit artefact types from these implicit object types.

✓ Extraction of bricks - Divide and Conquer

Your DOORS Classic modules are a collection of repetitive artefact types (e.g. vehicle functions). As a result, your modules become very large and you have to tediously maintain duplicates of artefact types in several modules? The DNGMig provides you with a migration command to extract artefacts, i.e. sub-chapters, out of the modules and then transfer them to individual modules. Additionally, the resulting individual modules are linked back to the original modules. This facilitates reusability and avoids duplicates at the same time.

⌘ REPORT
A report for the performed migration is automatically generated and can be exported at the push of a button.

⌘ EXTENSIBILITY
The DNGMig can be easily tailored and extended with migration commands that best fit your own needs.