

MERLIN

A Rollout Solution
for SAP Business
One Projects

Nick4Name di Nicola Martella & F. s.a.s



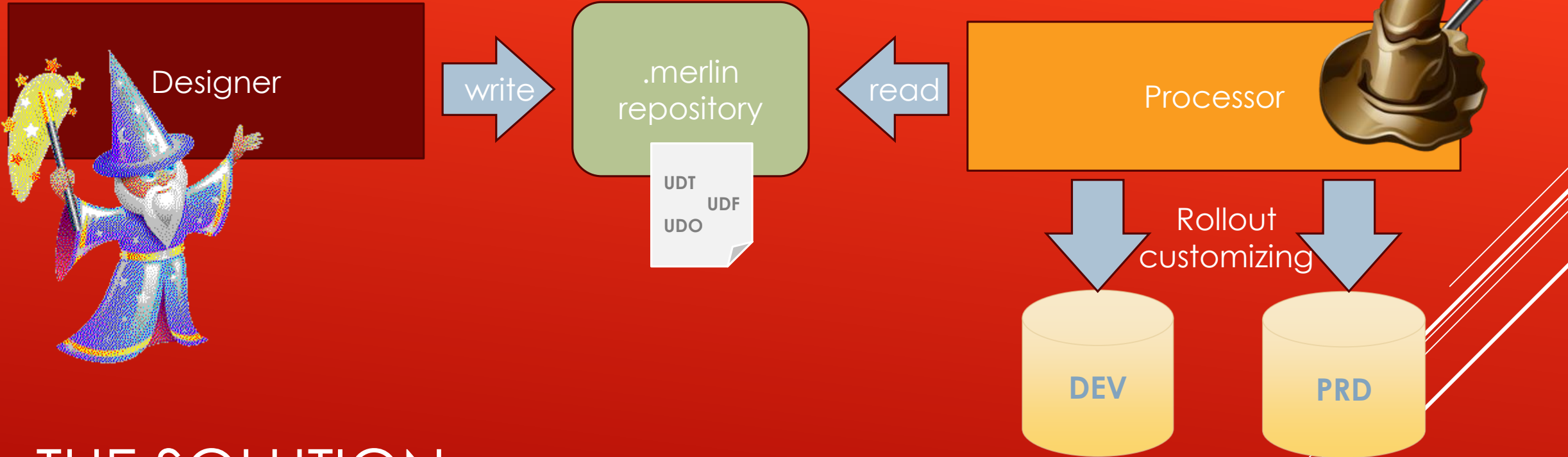
Merlin's goal is to facilitate the rollout operations between companies during SAP B1 development and go-live sessions.

It is possible to prepare the configuration for a **MSSQL DB** in development environment and rollout it on a productive **HANA DB** and vice versa.

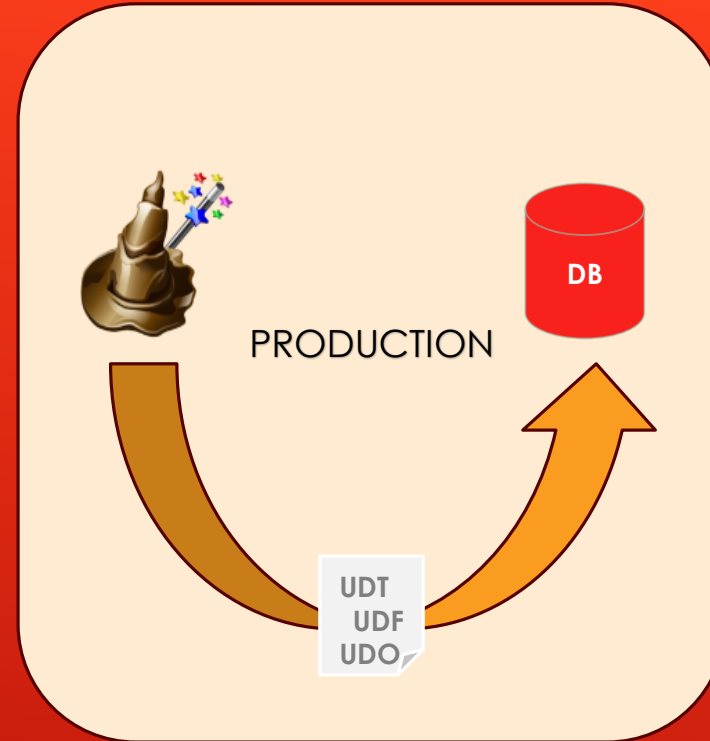
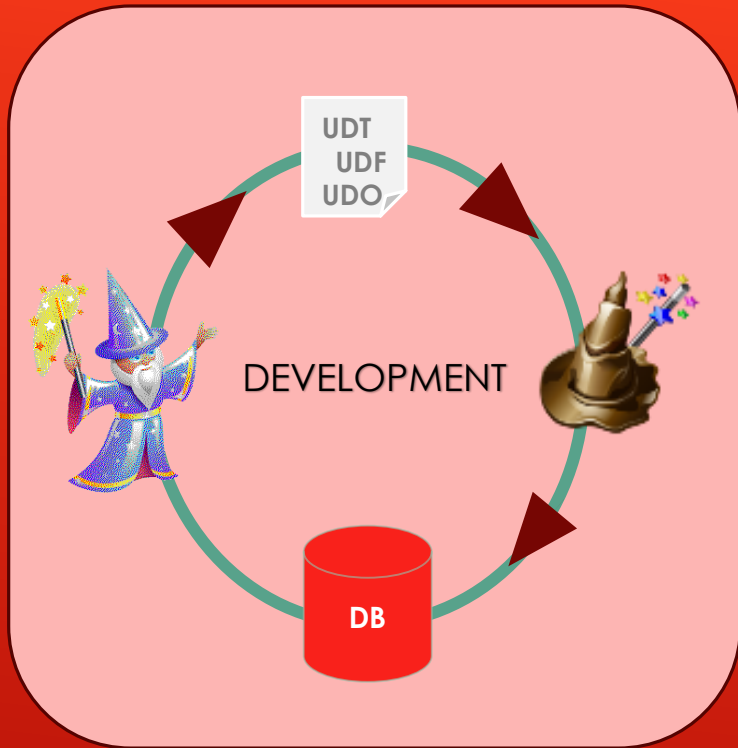
GOAL

Merlin suite is based on two components, **Designer** & **Processor**, and a shared **configurations repository**.

The Merlin context is the *project*.



THE SOLUTION



On development environment both applications are needed to develop and try each new configuration

On production environment it is enough the *Merlin processor* that rollouts just the consolidate configurations.

SOFTWARE DISTRIBUTION

At the current version, **Merlin allows:**

USER TABLES and STANDARD TABLES

to create User Defined Tables and User Defined Fields in standard tables, including

- ▶ Typed tables (for User Tables)
- ▶ Index definitions
- ▶ Default value for UDF
- ▶ Validations: ValidValues and LinkedTable

COVERED SCOPE

FILLING TABLES

To insert data records in customizing tables, such as default values

EXTRA LOGICS

- ▶ To prevent mistakes rolling out configurations on wrong operational environment, means as *development* and *productive* companies.
- ▶ To check by versioning that a previous configuration cannot be loaded again.

COVERED SCOPE

Merlin has an incremental approach to the customizing rollout.

With the **actions**, a customizing is applied just if needs.

- **ADD** Creates the object if does not exist, otherwise is ignored
- **DEL** Deletes the object if exists, otherwise is ignored
- **MOD** Updates the object if exists, otherwise is ignored
(supported just for pre-filling objects)

ACTIONS

Merlin requires that the Company is typed as **DEV**elopment or **PRoD**uction.

The rollout files too are marked for **DEV** or **PRD**.

If the *Company* and the *rollout files* types do not match, the rollout session fails.

OPERATIONAL ENVIRONMENT PROTECTION



Each *.merlin* file is versioned internally and in its filename, while the last imported configuration is registered into the company DB for the Merlin project.

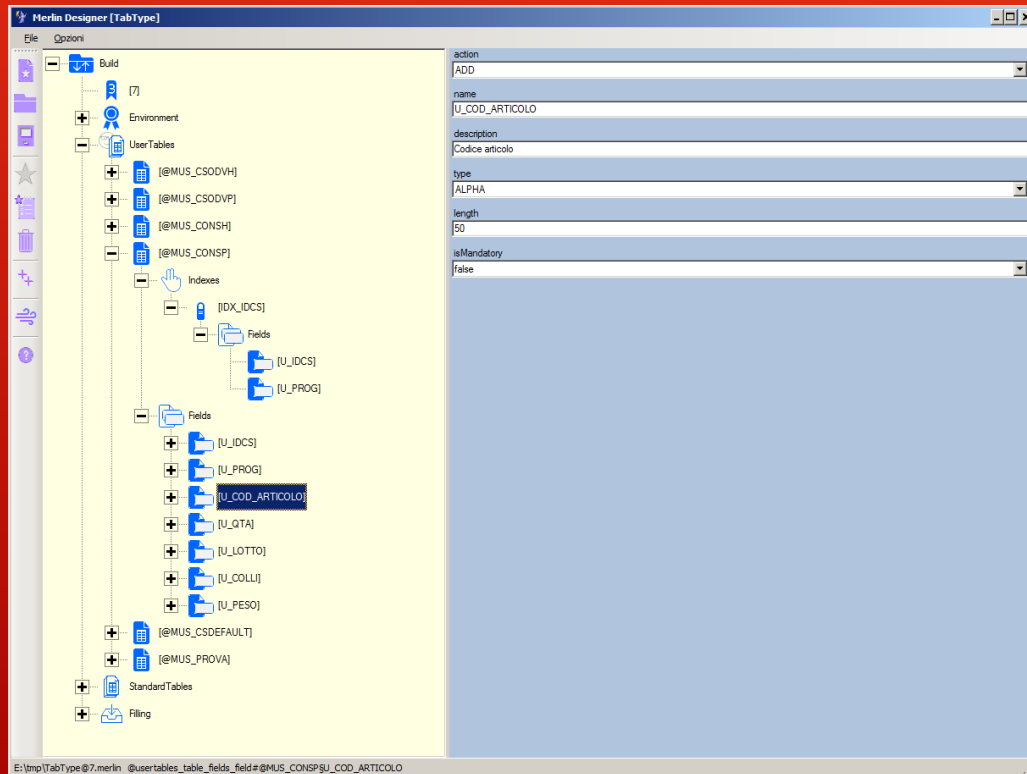
This avoids loading older configurations.

REGRESSIVE ROLLOUT PROTECTION



MERLIN DESIGNER

The *designer* is the editor where to define the necessary configurations.



MERLIN PROCESSOR

Command line program that takes in charge the `.merlin` file and rolls it out in the company db.

```
*** MERLIN ver. 3.2019.11.1 ***
Commandline mode
merlin [/Bconfiguration_file] [/Cfile .merlin] [/parameters[<attribute>[:<value>]]]

Parameters:
/B: File configuration with connection parameters to target company db
/C: Building .merlin file with configurations to rollout
/F: Executes rollout for Filling section
/H: Usage
/h: Usage
/I: Merlin setup in company db
/i<CONFIRM>: Remove Merlin setup from company db. Has to be followed from CONFIRM word
/L: List projects information. Required /B parameter
/p<project_code>: Deletes project. project_code(*). See also /L for project_code. Requires /B parameter
/R: Executes data structure section rollout. Does not execute Filling activities (see /F parameter)
/S<project_code><value>: Set an arbitrary value <0-65535> for the project-code(*) counter. Requires /B parameter

Note: (*) Where required, project_code takes value between 0-65535.

Config mode
Following parameters can be settable in fixed mode into the file Merlin.exe.config in the <appSettings> section.
key='config' value='configuration_file' : Replaces /B parameter in command line.
```





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