Production
Database
Reducer

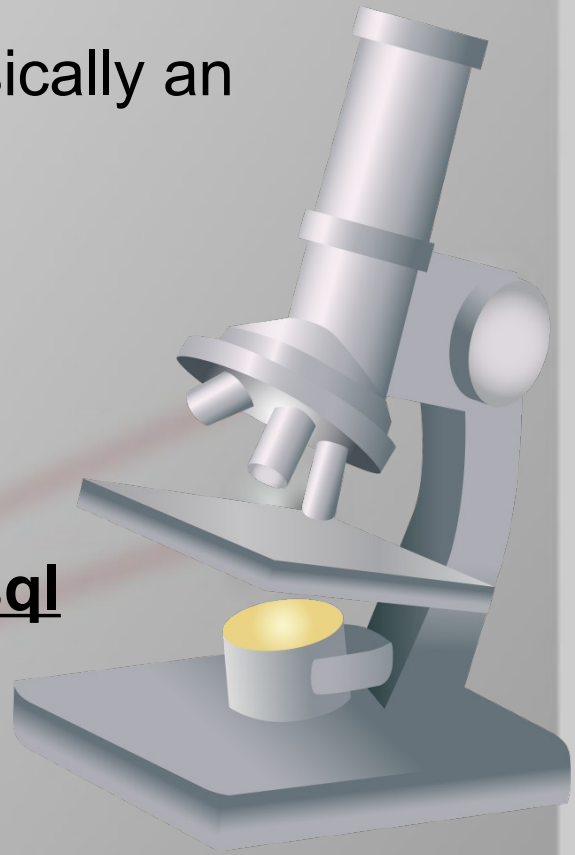
# The
# Production Database Reducer

*9 facts you should know about the prdare software*

# So what is it?

1. The Production Database Reducer (PDR) is basically an **algorythm**
2. To **reduce** the size of the production **database**

   *(creating a subset of data)*
3. **Mostly for testing and data archiving**
4. Implemented for **Oracle**, **Mssql**, **Db2**, **Postgresql**
5. **Can be fully parameterized**
6. Not a system but **only a tool**
7. **Including recommended steps** of reducing processes
8. **No time and number** of databases **limits** applyed
9. **Further plans** to extend functionality



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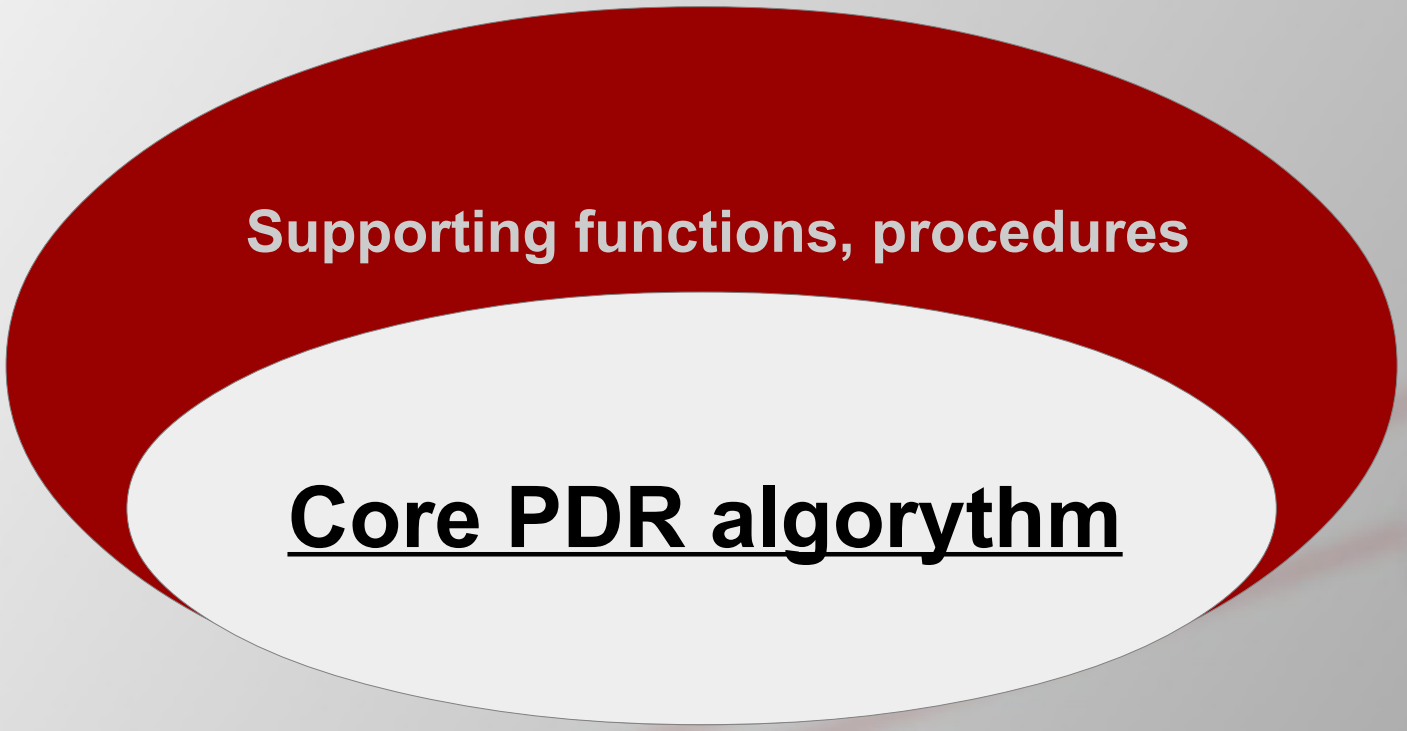
# *1.* The Production Database Reducer (P*DR*) is basically an **algorythm**




There is the core PDR algorythm that traverses the database while selecting the test data.

Around this, there are the other functions and procedures that support the operation.

# *2.* To **reduce** the size of the production **database** *(creating a subset of data)*

- It is not a compression, but getting a little and valid subset of the production data.
- The data remain valid by the defined keys of the tables.
- The PDR also gives functionality to remain on the valid state according to the logic of the application.
- It is possible to think about very little reduced sizes!

# 3. Mostly for testing and data archiving

- **because of the very reduced size of the database**
  → *significant cost saving*
  *(little disk, RAM, CPU cores, network traffic, etc.)*
  → *more test environments are avaliable to build*

- **the database of a smaller size is faster**
  → *the testing and also the development time is reducable*

- **we can use relevant data in the test database**
  → *the testing processes can be executed on important, tipical data*

- **the database size reducing process is almost automatic**
  → *significant resources of operators can be releasable*

- **one newer instance of a test database can be done very easy**
  → *the new test environments can be ready soon*

- **the depersonalization can be done very soon in the reduced size database**
  → *the developer team can get its developer environment in shorter time*

- **the data archiving is an automated process**
  → *the database containing the necessery data can be made easily*

- **... and a lot of more because of the fragment database size**

# *4.* Implemented for **Oracle**, **Mssql**, **Db2**, **Postgresql**

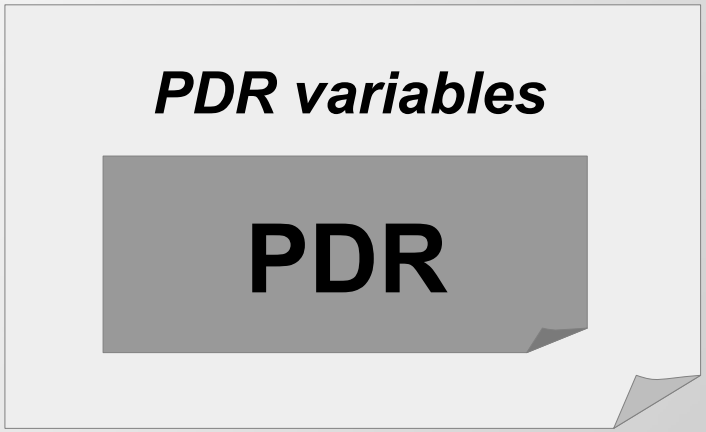
**The scope is:**
implementing the PrDaRe into databases
most used by medium and large companies.

Every function, procedure and the core PDR functionality
have been implemented into the databases above.

This is a set of:
- a database schema,
- stored procedures,
- stored functions,
- data types,
- views.

***Every implementation contain exactly the same functionality!***
*(not exactly on the same way according to the capabilities of the databases)*

# 5. Can be fully parameterized

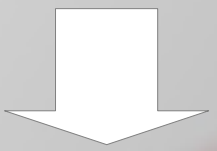



- The behavior of the PDR *is modifiable by its variables*
- The conditions of the test data and data remain after the archiving *can be specified exactly*

**PDR gives information to help parameterize**
*(table information, table relationships, foreign groups, etc.)*

# *6.* Not a system but **only a tool**

- It is just a **tool**!
  (introduce a new system in a company may be a problem)
- **Only the most necessary functionality has been implemented to solve the big database problem**



- *Limited usability:*
  *There is no „frontend”*
  *Database level user and role handling*
  *Mostly used by operators, DBA-s*

# 7. **Including recommended steps** of reducing processes

We know the operation of the implementations...

...so we can suggest
the exact steps of the little database creation:

- **When**
- **Who**
- **What**

have to do

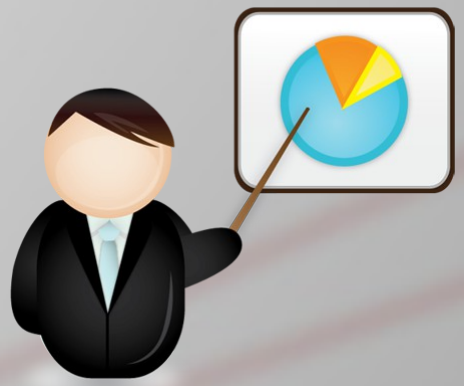
*This is readable in the documentation supplied.*

# *8.* **No time and number** of databases **limits** applyed

- There is no time limit on the licensed implementations!
- You can reduce any number of database within your company according to the license agreement.
- *Support is available in the full lifetime of the PDR!*
  *After lifetime the PDR will remain usable of course.*

# 9. **Further plans** to extend functionality

## We do have plans!



- *implement in a new environment*
- *universal PDR program*
- *central test data management*
- *data depersonalize*
- *able to fully used by system analysts*

## We do respond to our customers' feedback!

One of our main goals is to make the PDR as useful as possible.

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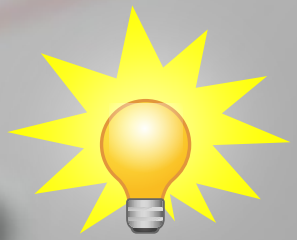
*Any questions?*



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*Thank you for your attention!*

More information:
www.prdare.com