



# **BOI FreeDa**

Audit-proof data management for relational databases

#### **Product overview**

Confidentiality level: public Date: 22.04.2024

#### Your contact

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# **BOI FreeDa:** The excellent solution for audit-proof data management for relational databases

"Our key accounts held the knowledge about our customers, thus they should be able to maintain data on our internal processes and customer relevant information such as terms, conditions or promotional discounts. Unfortunately, due to their lack of IT knowledge, it is not guaranteed they can do so without risking errors in the database."

"We have established workflows in MS Excel that are cumbersome and error-prone. We urgently need processes that are role- and user-controlled and, above all, audit-proof!"

Do you face these challenges as well? The operative experts are not database specialists and therefore the audit-proof maintenance of important company data is not guaranteed?

Use the knowledge and expertise of your employees in the operative departments for the maintenance of data in relational databases. BOI FreeDa offers a uniform maintenance and administration interface for data management with state-of-the-art usability and innovative maintenance workflows. By simply transferring Excel Data into a relation database using BOI FreeDa, you provide employees without any database knowledge the easy access to all relevant data in order to maintain these data securily and independently.

#### With BOI FreeDa the maintenance of your table data is...

#### user friendly:

Intuitive and easy maintenance of critical master and control data, optimized for users without database knowledge

#### • secure:

Effective securing of data maintenance through fine-granular rules, authorizations and verifications

#### verifiable:

Audit-proof workflows for data maintenance with complete logging of all data changes

#### How does BOI Freeda stand out?

#### BOI FreeDa enables users without database knowledge to maintain critical data

The technical knowledge about your company is in the operating departments but due to the lack of database expertise they can not maintain data themselves. BOI FreeDa offers an intuitive and simple solution for the managed and audit-proof maintenance of data for the most common relational databases. The data maintenance proceeds exclusively in the BOI FreeDa system and the changes are only activated in your database after the maintenance process has been completed.

#### BOI FreeDa is independent

BOI FreeDa is independent of operating systems and database neutral. Due to that, BOI FreeDa can be used for the table maintenance of diverse databases like Db2, Oracle, Microsoft SQL Server, MySQL, PostgreSQL, Informix and MariaDB. The connection is done via JDBC (Java Database Connectivity). BOI FreeDa uses only SQL statements for data import and export.

#### BOI FreeDa frees relational databases

BOI FreeDa offers different standard workflows for audit-proof maintenance: without control, with self-control (2 eyes) or 4- and 6-eyes principle. The maintenance workflows are defined in BOI FreeDa and not in the database. That means that during the data maintenance, all changes are stored exclusively in BOI FreeDa and there is no intervention in the data management, the data model and the productive use in the relational database. The BOI FreeDa data maintenance takes place independently of the database's constraints, but BOI FreeDa ensures that all constraints are strictly observed when activating data changes.

#### BOI FreeDa facilitates different maintenance processes

In BOI FreeDa, the administrator defines central aspects of the data maintenance and keeps control which tables are maintained directly or assigned to the 2-, 4- or 6-eyes-principle. BOI FreeDa guides users through the selected maintenance process and ensures that the defined maintenance process is always followed.

#### BOI FreeDa quarantees security

With roles and permissions, the administrator defines the rights of the users. This way, only the right persons can read, edit, control or release tables. BOI FreeDa automatically ensures that all changes are database compliant. You can additionally define logical checks for tables, such as parent-child relationships, value ranges, etc.

#### BOI FreeDa maintains tables individually or in a package

In BOI FreeDa, the administrator can maintain entire tables, parts of tables and packages comprising several different tables according to the requirements of your company. Use - also cross-database - packages to ensure the simultaneous activation of changes of technically related tables.

#### BOI FreeDa supports bi-temporal data formats

With BOI FreeDa, bi-temporal data with a validity period can be maintained easily.

#### BOI FreeDa replaces the process of unstructured MS Excel data maintenance

Nowadays, data maintenance by the operating department is often carried out using products such as MS Excel. This leads to unstructured, time-consuming and error-prone processes. Replace these with the efficient BOI FreeDa maintenance processes.

#### BOI FreeDa is compatible with Enterprise Resource Planning Systems

BOI FreeDa can be used together with ERP systems. This allows for instance the realization of maintenance processes outside the ERP system which leads to cost savings as customer specific adaptations of your ERP are no longer needed.

#### BOI FreeDa meets individual requirements

You need additional functions which are not included in the standard product?

Our development team implements additional customized functions by BOI FreeDa scripts.

#### Data maintenance with BOI FreeDa: TableNAVI

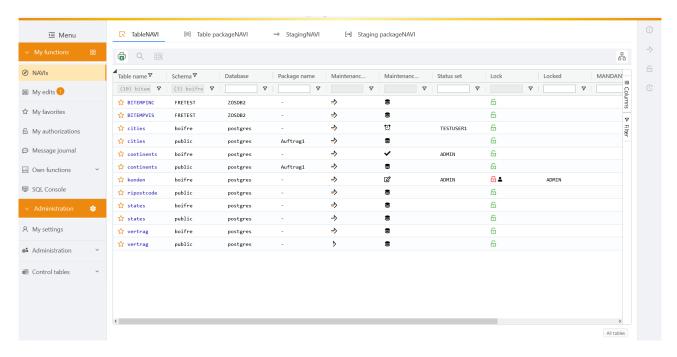


Figure 1: TableNavi with the clear representation of all tables for which the user is authorized.

# Data maintenance with BOI FreeDa: Table editing

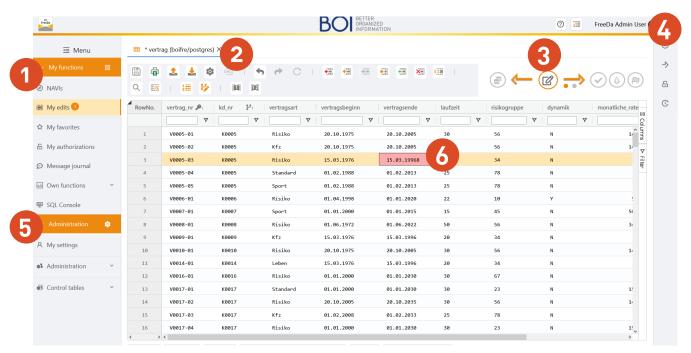


Figure 2: Data maintenance in BOI FreeDa

#### 1. My functions

- Table overview
- Table edit
- Favourites
- Permissions
- Notification jourrnal
- Own functions

#### 4. Table actions

- Table information
- Table maintenance process
- Table verifications
- Table permissions

#### 2. Editing bar

- Import & Export
- Show in Excel
- Create Deep Link
- DML export
- Search/Replace
- Table comparison

#### 5. Administration

- User management
- Parameter management
- ControlNavi

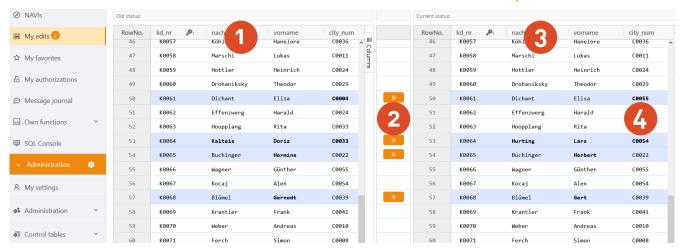
#### 3. Table status in workflow

- Active
- In process
- Waiting for control
- Waits for activation time
- Waits for activation

#### 6. Checks

- Automatic format check
- Table specific check

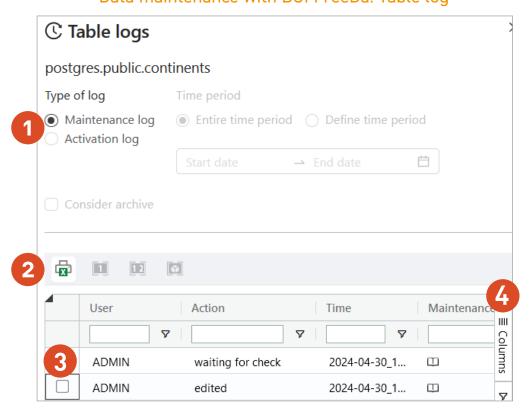
# Data maintenance with BOI FreeDa: Table comparison



#### Table comparison

- 1. Table before editing
- 2. Reject change
- 3. Table after editing
- 4. Changed values are highlighted

# Data maintenance with BOI FreeDa: Table log



#### Table log

- Figure 4: BOI FreeDa table log
- 2. Display in Excel, compare table states

1. Selection of maintenance or activation protocol

- 3. Logged Data: user, action, time, maintenance reason
- . 4. Filter settings: user, action, time, reason for change

Figure 3: BOI FreeDa table comparison

# **BOI FreeDa products**

BOI FreeDa is available in three editions:

- **BOI FreeDa direct** offers direct maintenance of tables, all changes are immediately activated in the database.
- BOI FreeDa Table Edition also offers the option of table maintenance processes, thus separating data storage in the database from data processing for the duration of the entire maintenance process. It also offers table checks and the connection to external systems. Customer-specific functions can be implemented via BOI FreeDa scripts.

The BOI FreeDa Workflow Edition offers additionally the implementation of individual maintenance workflows and support for bi-temporal database formats,

flows and support for bi-temporal database formats, multi-client capability and the maintenance of sub-tables and orders.	BOI FreeDa	BOI FreeDa	BOI FreeDa
<ul> <li>One interface for the most common RDB</li> <li>Db2, Oracle, Microsoft SQL Server, MySQL, PostgreSQL, Informix and MariaDB via JDBC</li> </ul>	<b>✓</b>	<b>√</b>	<b>✓</b>
Intuitive table editing  • Table editor incl. comprehensive maintenance and import/export-functions	<b>√</b>	<b>√</b>	<b>✓</b>
<ul><li>Editing unit</li><li>Entire tables</li><li>Parts of tables and table packages</li></ul>	<b>√</b>	<b>√</b>	<b>√</b> ✓
<ul><li>Editing process</li><li>NoCheck (direct editing)</li><li>SelfCheck, SingleCheck, DoubleCheck</li><li>Individual maintenance workflows</li></ul>	<b>✓</b>	√ √	√ √ √
<ul><li>Checks</li><li>Automatic BOI FreeDa checks</li><li>Customized table checks</li></ul>	<b>✓</b>	<b>✓</b>	✓ ✓
Connection to customer systems • Authorization and authentication (e.g. OpenID connect)		<b>✓</b>	<b>✓</b>
Data organization  • Multi-client capability			<b>✓</b>
Logging • Data changes and settings	<b>✓</b>	<b>✓</b>	<b>✓</b>
Scripting	<b>✓</b>	√ √	√ √ √
Parent-Child • Parent-child connections			<b>✓</b>
Temporal data formats • Support of bi-temporal data formats			<b>✓</b>
BOI FreeDa Add-Ons  • BOI FreeDa Staging  • BOI FreeDa ERP Connect		√ √	✓ ✓

# **BOI - FOR YOUR BETTER ORGANIZED INFORMATION**

## Convincing Quality

Efficient and audit-proof.

High-performance and ultra-fast.

Company-wide use for all databases and operating systems.

## **Efficient Service**

Over 45 years of experience. Excellent, dedicated team. One-stop consulting, technology and implementation.

## BOI - We set an example.

Our vision is a society in which economic management goes hand in hand with social commitment and ecological action.

Our mission is to make the best possible contribution to ensuring sustainable development on an economic, social and ecological level. We want to operate in a climate-neutral manner from 2026 and are already taking numerous measures to reduce our greenhouse gas emissions.

We pay attention to the well-being of our employees and take measures to protect their health. We consistently donate 10% of our annual profit to social and environmental organizations.



Cnagana

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