



## TABEX4 JAVA APPLICATION ENGINE

### TABEX4

TABEX4 is the leading cross-platform standard software for table access and maintenance. Highest performance and convenient data maintenance make TABEX4 an optimal tool for efficient and revision-proof table management.

### TABEX4 JAVA APPLICATION ENGINE (JAE)

The TABEX4 JAVA APPLICATION ENGINE (JAE) is a supplement to TABEX4.

offers a Java-based application programming interface for implementing distributed Java applications in TABEX4. This enables an audit-proof management of TABEX4 tables within Java applications.

Read and write access to table data using TCP/IP is possible from any Java environment, such as

- Web applications (Java/JSP)
- GUI applications
- Server batch applications

### YOUR ADVANTAGES

- Distributed and audit-proof maintenance of centrally managed table data (e.g. on the mainframe) by Java applications.
- Easy implementation of web applications and GUI applications by BOI Java classes of the JAE
- Automation of table maintenance by distributed Java programs on all system platforms
- User authentication of JAE ensures that only users known to TABEX4 may run JAE Java applications
- Moving applications from the mainframe to distributed platforms and therefore saving of hardware and software costs

Additionally, JAE offers the same advantages as the TABEX4 web frontend - the TABEX4 Table Manager:

- Secure login to TABEX4 by encrypted password.
- **Authorized access to table data:** Users can have read and/or write permissions to tables. The TABEX4 authorization system checks these permissions.
- **he processing of the table is transaction-oriented.** Multiple update operations can be performed and stored together. During the transaction, tables are locked for other applications.
- **Data checks** can be implemented by check routines stored in TABEX4 tables. This does not require to write a single line of Java code. The check logic of TABEX4 ensures that no invalid data is stored in the database. The definition of the check tables is done with the TABEX4 Table Manager.
- **Audit-proof table maintenance:**  
All data changes made by Java applications are automatically logged in the central TABEX4 revision log. Thus, it is possible to obtain a complete revision log of all changes for each table. This also does not require to write a single line of Java code.

The following data is saved in the revision log:

- Who made the change?
- What kind of changes were made (insert, change, delete)?
- Which data records were changed?
- Additional information if needed

