

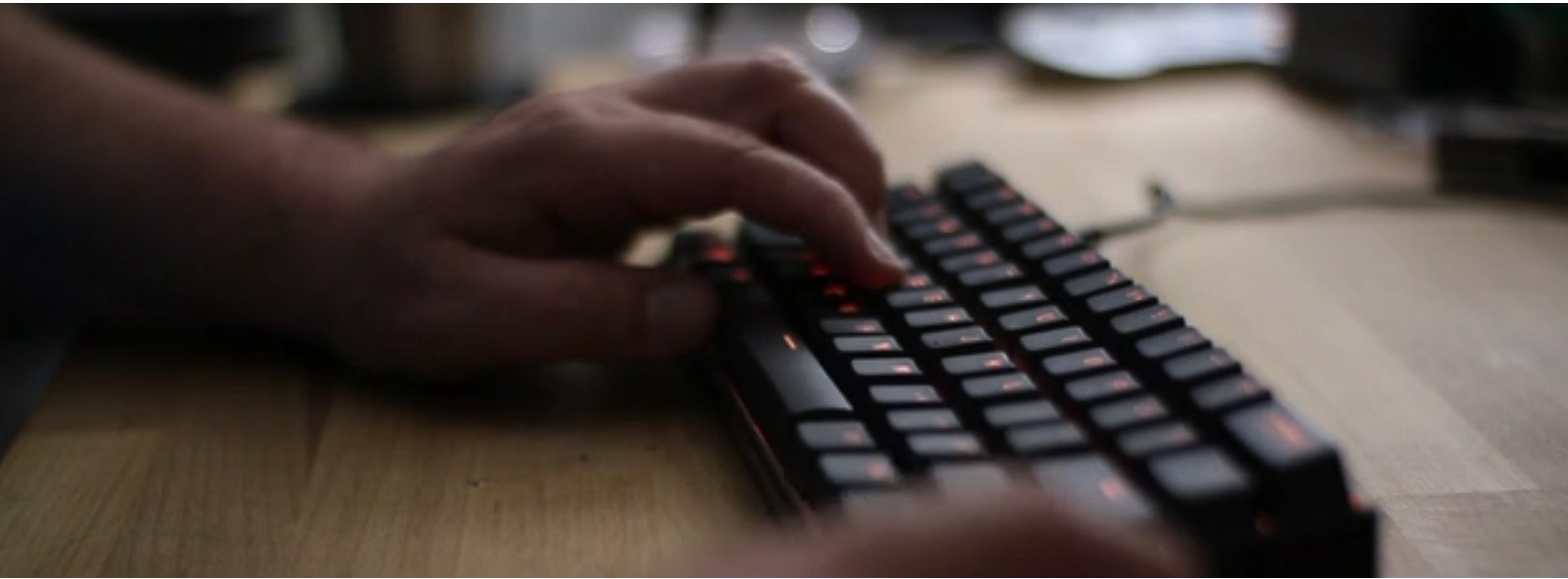
data@business

dbPush

Manual Data Entry Management for SAP HANA®



Why must applications for Manual Data Entry be managed?



Manual Data Entry - Explained

SAP ERP and EPM applications often require a custom interfaces for dealing with manual maintenance of master, configuration and transaction data. It is of utmost importance that a standardized approach for generating data entry masks and associated governance form the basis of these applications. Reinventing the wheel every time will lead to heterogeneous code base for and high TCO (Total Cost of Ownership).

Furthermore, maintenance of configuration and master data may also require that this data is appropriately deployed in test and production systems as part of feature and bug fix releases. If not appropriately handled, it can lead to application landscape going out of sync with itself.

Efficient Data Entry Empowered - Transforming Manual Data Management

dbPush simplifies setup of data entry masks in your enterprise by acting as the central point for maintaining, distributing and governing manual data entry. Our architecture integrates into SAP S/4HANA®, SAP BW/4HANA® and SAP BWonHANA® customer landscapes. We support 3 tier system landscape scenarios with integrated transport management and versioning.

dbPush example use cases

Configuration maintenance

Customer has created a custom table in his S/4HANA system to hold parameters for his custom applications. This table needs maintenance and consistent deployment across systems in the landscape. User should receive authorization to view and maintain only required slices of this table.

BW Master data maintenance

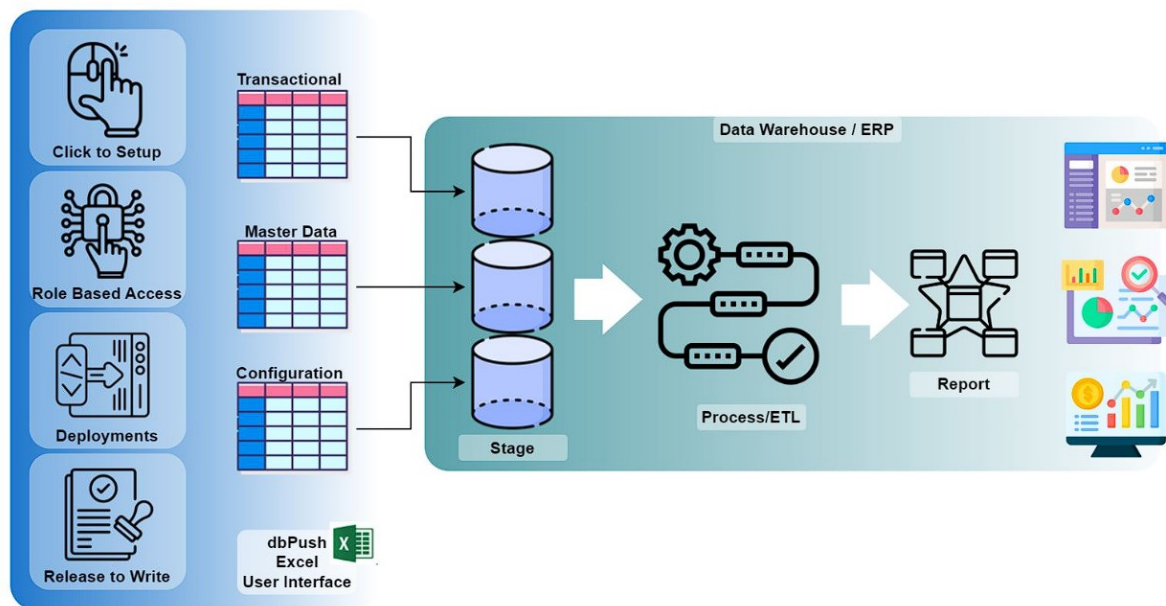
dbPush can be very quickly setup to create maintenance user interfaces for master data in an InfoObject. If required, the tool can be configured to collect this maintained master data for deployment. The Tool supports maintenance of Texts and Attributes in InfoObjects.

Transactional adjustments

A BW ADSO has been configured to accept late adjustments into a financial reporting data warehouse. The adjustments are only allowed for the open period as configured. Only authorized users must be allowed to view and upload these adjustments. A four-eye principle must apply and data should be posted only after a reviewer signs off.

dbPush Features for SAP S4/HANA® & SAP BW4/HANA®

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Data Entry

A user-friendly Excel® add-in helps users maintain and upload their data with ease and in an environment, they are familiar with. Excel allows them to carry out checks and controls in a flexible manner before they consider it final. Copy & paste features in Excel® ease preparation of their data. The spreadsheet format enables bulk data entry, saving time and enhancing efficiency. Additionally, Excel's built-in features, such as formulas and validations, contribute to improved data accuracy.

Low-Code / No-Code

Metadata-driven UIs for data entry offer adaptability and efficiency, allowing rapid development and easy modification based on metadata specifications. These interfaces ensure consistency across applications, enhance user experience, and scale effectively with changing data requirements. Maintenance becomes easier, and data quality improves with built-in validation rules. Agile development benefits from quick iterative changes, and business users can potentially configure metadata settings without heavy reliance on IT.

Configuration Deployment

Configuration deployment utilities provide efficient and automated management of software configurations, ensuring consistency across diverse environments. These tools automate deployment processes, reducing manual errors and facilitating quick, uniform application of configurations to multiple servers. Integration with version control systems enables tracking changes, easy rollbacks, and disaster recovery.

Release to Write

Implementing a system that requires user approval before committing data to the database offers numerous benefits. Firstly, it ensures data accuracy and integrity, as users can review and confirm entries before they become permanent. This helps prevent errors, inaccuracies, or inadvertent data modifications. Secondly, the release-by-user approach enhances data security by allowing organizations to control who has the authority to finalize data changes.

Role Based Access

Role-based access to data access and maintenance is pivotal for securing sensitive information and streamlining system management. By assigning specific roles to users, organizations control who can access, modify, or delete data, ensuring compliance with privacy regulations and internal policies. This approach enhances data security and minimizes the risk of unauthorized access or data breaches. Administrators can tailor roles to match job responsibilities, granting appropriate permissions to perform necessary tasks.

dbPush features



Cost and Efficiency Gains

- Cost savings through a no-code click-to-setup data entry masks
- Centralized oversight of all data entry masks in the system
- Reduced development costs through low-code / no-code approach
- Low entry barrier for new team members
- Ease of knowledge Transfer
- Time and energy savings



Governance

- Access to objects can be differentiated across read, write, release and delete
- Target objects can be partitioned to allow access to part of data
- Aligned to standard SAP practices for authorisation management
- Role Based access control to object in repository
- Full transparency into change audit trail
- Recovery of prior states of rules



Deployment

- Released data is written to CTS requests and imported into target systems
- Required post deployment actions in target systems are given out-of-box
- Support for maintenance on production systems



Frontend

- Internationalization for German and English formats
- Record of changes into transports on Release
- No-code for business user
- Excel® based frontend



Integration

- dbPush runs on SAP BW/4HANA®, SAP BW on HANA® and SAP S/4HANA®
- External applications can write/maintain data using a REST API
- dbPush integrates well into your in-House development practice



Repository

- Master data help for exact codes or ranges available at fingertips
- Data are maintained in production or in dev and released for deployment (CTS)
- Deep folder-based structure for organising rules with multiple team members
- Detailed audit trail of all released versions for review and governance
- Fast search for objects in the directory for quick navigation
- Personal user space for testing, learning and prototyping

Our Company



Data Business GmbH was founded in 2016 to provide specialized consulting services in data engineering and related technologies. We focus on practical solutions involving data Lakehouse architectures, data engineering, analytics, and enterprise resource planning using SAP® products like SAP® S4/HANA, SAP® BW4/HANA, and open-source technologies. As your consulting partner, we work closely with you to develop customized IT solutions that address your specific business requirements.

We understand that effective data management is crucial for informed business decisions. Our approach is to provide reliable consulting services that help organizations better utilize their data through sound engineering practices and appropriate analytical solutions. We're committed to delivering practical results that meet each client's unique needs and technical environment.

Data Business offers consulting expertise in four key service areas:

- **Data Engineering:** As a specialized SAP consulting firm, we focus on data engineering solutions that make a real difference. We work closely with our clients to develop tailored information systems that support better decision-making and drive meaningful business results. Our boutique approach ensures personalized attention and solutions designed specifically for each client's unique challenges.
- **Data Analytics:** We provide practical analytics services to help organizations better understand and utilize their data. Our consultants work closely with clients to identify key business questions and develop focused analytical approaches. We extract meaningful insights from your data and present them through clear, actionable reports that support informed decision-making and business planning.
- **Data Science and AI:** We help organizations apply data science techniques to better understand and utilize their business data. We work with clients to identify where methods like data mining, machine learning, and analytics can provide valuable insights. Our consultants focus on practical applications that align with your specific business needs.
- **Data Platform Solutions (Cloud/OnPrem):** We provide consulting services for data platform design and implementation. We help organizations develop practical solutions using on-premise, cloud, or hybrid approaches based on their specific requirements. Our consultants focus on delivering secure, reliable platforms that integrate effectively with existing systems and support your business objectives.

Core Team



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Chief Executive Officer

SAP S4/HANA® Integration and BI
25+ years cross industry experience
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M.Sc. in Business Administration

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SAP® HANA & Infrastructure
Full Stack Architect
IT, Banking, Energy



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