

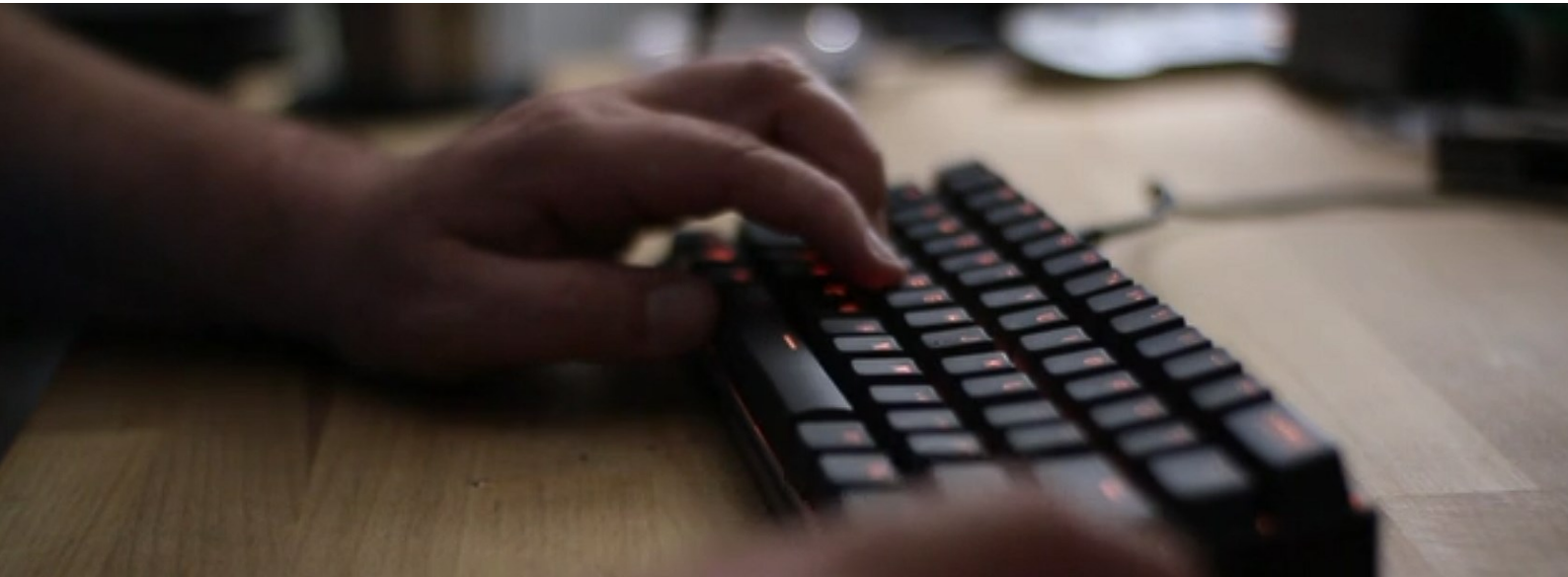
data  **business**

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

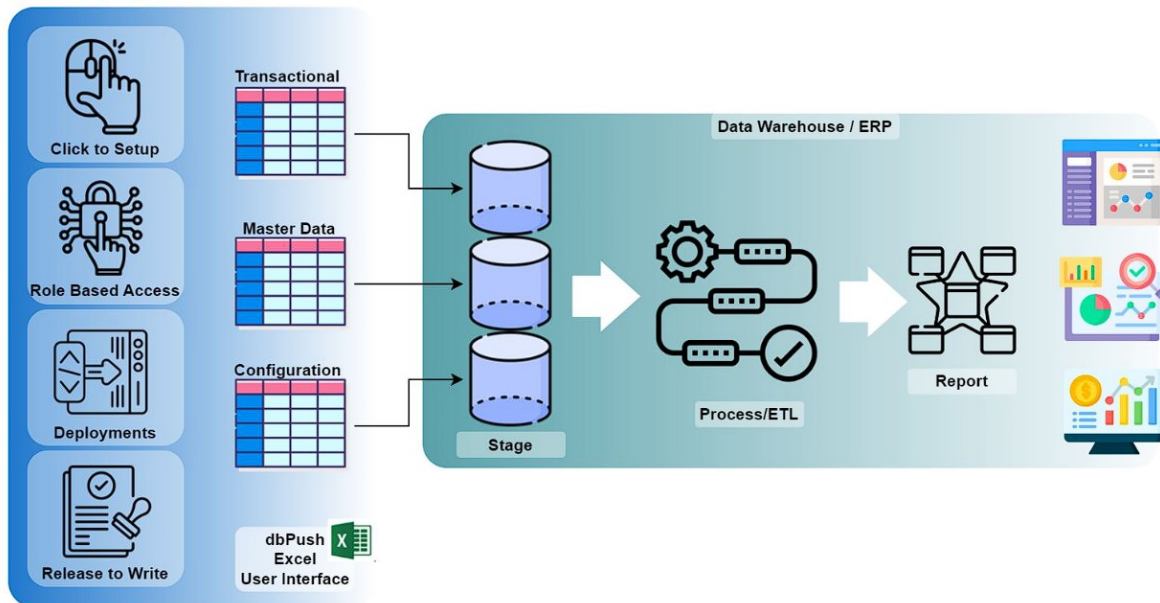
dbPush can be very quickly setup to create maintenance user interfaces for master data in an InfoObject. If required, the tool can be configured to collect this maintained master data for deployment. The Tool supports maintenance of Texts and Attributes in InfoObjects.

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 BWonHANA® 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 an released for deployment (CTS)
- Deep folder-based structure for organising rules with multiple team members
- Detail 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 serve global market with data engineering related services and products. Our focus is on solutions in the areas of 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 a project partner or interim service provider, we offer you customized and coordinated IT services and solutions with expertise and passion. Together we find the right solutions for your individual challenges. We deliver solutions for business rules and decision management with Low-Code & No-Code approach.

We believe that data is the key to unlocking hidden insights and transforming businesses. Our mission is to provide innovative software services and products that help businesses harness the power of data engineering, analytics, and AI. We are committed to delivering customized solutions that meet the unique needs of our clients. Data Business excels in four key areas of data-related services:

- **Data Engineering:** Data Business stands out as an industry leader in data engineering. Their commitment to developing state-of-the-art information systems is evident in their tailored solutions for clients. These solutions enable clients to make informed decisions and drive business growth, reflecting their dedication to delivering exceptional outcomes.
- **Data Analytics:** With over decades of experience, Data Business offers cutting-edge analytics services. Their team of skilled analysts and scientists collaborates with clients to craft data-driven strategies aligned with business objectives. Utilizing the latest tools and techniques, they extract actionable insights from data, empowering clients with real-time visibility into business performance through concise reports.
- **Data Science and AI:** Data Business is a frontrunner in data science, leveraging advanced technology and techniques to provide clients with actionable insights. Their scientific approach transforms vast datasets into meaningful information, supporting better decision-making. Whether it's data mining, machine learning, or big data analytics, their experts have the skills to help clients achieve their goals.
- **Data Platform Solutions (Cloud/OnPrem):** Data Business specializes in delivering cutting-edge data platforms, offering both on-premise and cloud options to cater to businesses of all sizes and industries. Their experienced team designs and implements data platforms tailored to clients' specific needs, ensuring data security, efficiency, and effectiveness.

Core Team



Johannes Iwanow

Chief Executive Officer

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

Mark Klein

Chief Operating Officer

SAP HANA® Integration and BI
25+ years cross industry experience
Banking, Logistic, Consumer
M.Sc. in Mathematics



Pralay Ahluwalia

Partner | Data Management & Analytics

Senior Business Architect
25+ years cross industry experience
Banking, Pharma, IT
M.Sc. in Finance & Risk / B.Sc. in Engineering



Roman Doubrava

Co-Founder | AI & HPC Research

Hybrid Cloud & Data Warehousing
SAP® HANA & Infrastructure
Full Stack Architect
IT, Banking, Energy



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