DATALARK

# MANAGE YOUR DATA SEAMLESSLY WITH LEVERX DATALARK

# Global System Integrator Trusted by Fortune 500 Companies

**800+**
clients

**1,600+**
employees

**950+**
successful projects

**20**
years of close collaboration with SAP

**9**
countries

**14**
offices

**15**
time zones
UTC-8 to UTC+6

**LeverX**

LeverX is an international company with vast expertise serving companies all over the world. We power companies' digital transformation and provide our partners and customers with a full range of high-quality services, from consulting and implementation to support.

**emerline**

Operates as a part of LeverX and provides full software development services for startups and established companies in both consumer and enterprise areas.

SAP Gold Partner

member of the SAP AppHausNetwork

aws PARTNER Advanced Tier Services

Google Cloud Partner

Microsoft Solutions Partner

SAP Global Strategic Supplier

ISO 9001 LL-C (Certification)

ISO 27001 LL-C (Certification)

ISO 55001 LL-C (Certification)

ISO 22301 LL-C (Certification)

# LeverX Global Delivery Centers



**Global Headquarters**
Miami, FL

**Heidelberg,** Germany

**Vilnius,** Lithuania

**Astana,** Kazakhstan

**Mountain View,** CA

**London,** UK

**Royal Oak,** MI

**Tashkent,** Uzbekistan

**King of Prussia,** PA

**Sofia,** Bulgaria
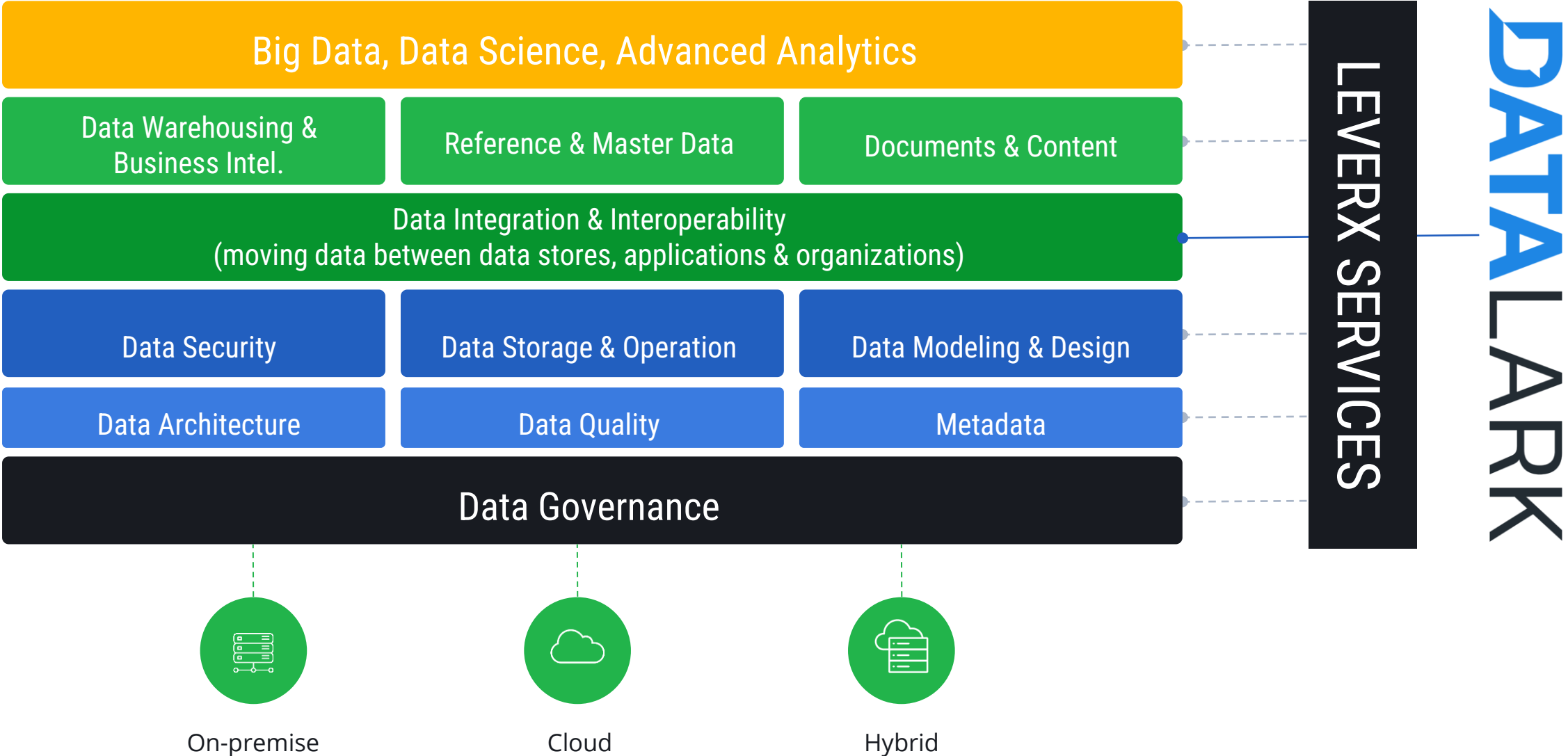
**Wroclaw,** Poland

**Dubai,** UAE

**5**
Delivery centers

**9**
Sales, Business and Coordination Locations

**SAP GLOBAL STRATEGIC SUPPLIER**

**Regional and Time Zone presence for main regions coverage:** NA, EMEA, APAC, LATAM

# LeverX & Data Management Services

**Big Data, Data Science, Advanced Analytics**

| Data Warehousing & Business Intel. | Reference & Master Data | Documents & Content |
|---|---|---|

**Data Integration & Interoperability**
(moving data between data stores, applications & organizations)

| Data Security | Data Storage & Operation | Data Modeling & Design |
|---|---|---|
| Data Architecture | Data Quality | Metadata |

**Data Governance**

**LEVERX SERVICES**

DATA LARK

On-premise · Cloud · Hybrid

# DataLark Key Functional Features

| Data Migration | System Integration / APIs | Transformation | Validation / Profiling |
|---|---|---|---|
| • Moving data from one location to another, one format to another, or one application to another | • Connecting different sub-systems (components) into a single system<br>• API Development | • Converting, cleansing, and structuring data into a required format | • Checking the integrity, accuracy and structure of data |

On-premise          Cloud          Hybrid
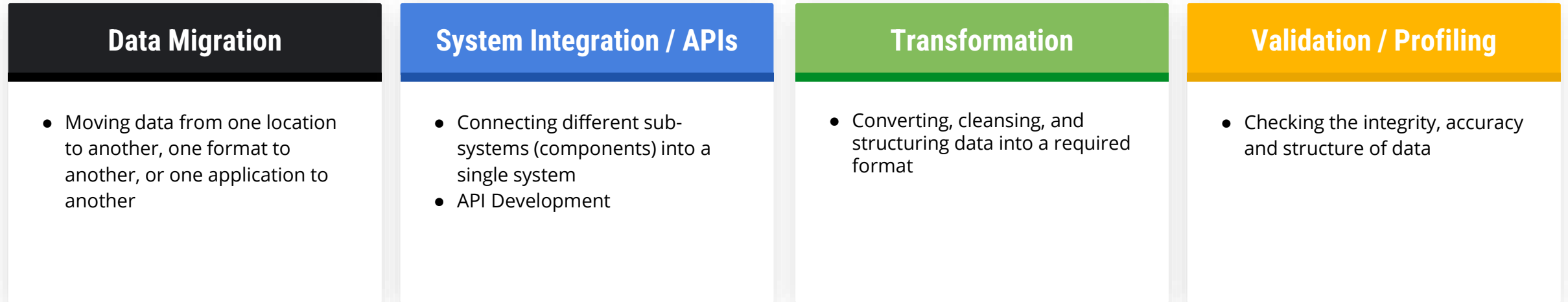
**DATALARK**

# DataLark Popular Use Cases

## Foreground Processing

- **Application Migrations** (new implementations and migrations from ECC or non-SAP to S/4)

- **Selective Data Extraction & Migration** (company acquisitions)

- **Bulk Test Data Creation** (for QA and Training environments)

- **Cloud Migrations** – from on-prem/cloud to cloud data warehouses and data lakes.

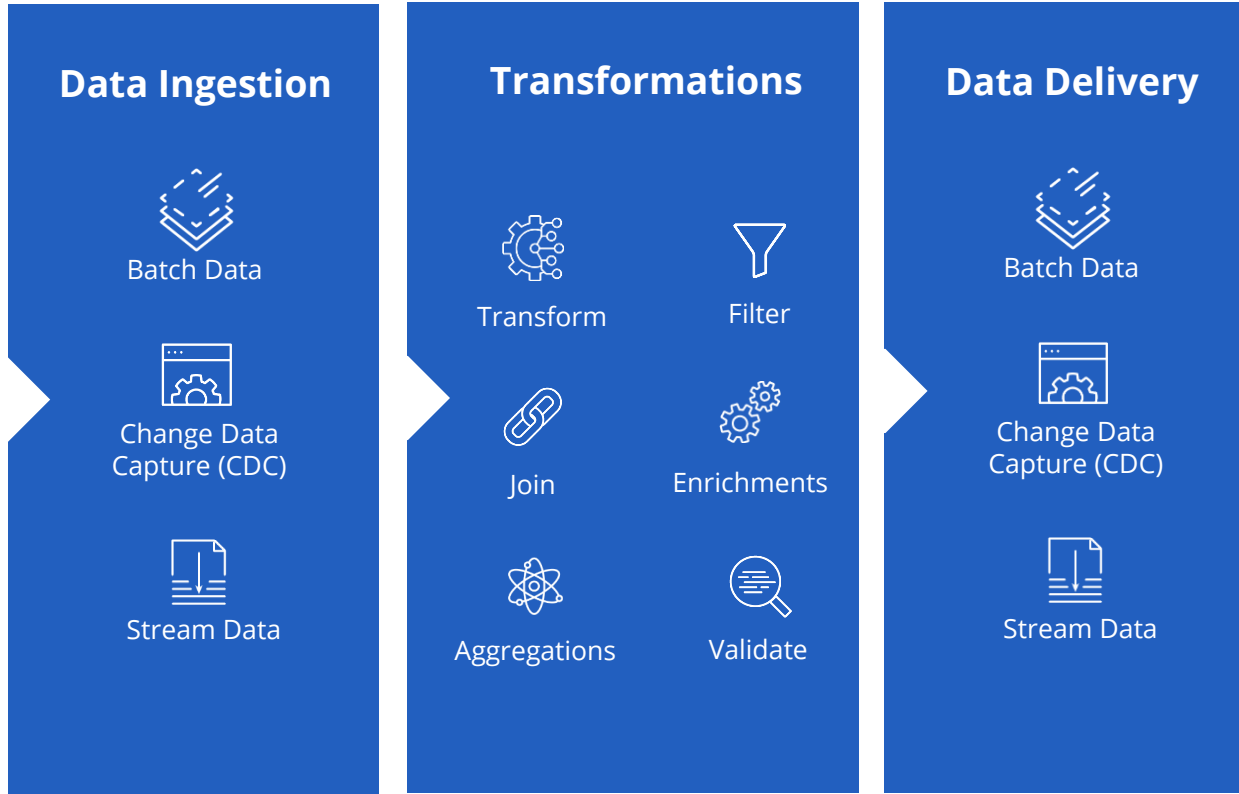- **Ongoing Data Manipulations / Data Wrangling** (e.g. as part of regular business processes)

## Background Processing

- **Integration with External** Systems (WMS, MES, eCommerce, HR, Authoring Tools, CAD)

- **Master Data** Consolidation (bringing master data from multiple sources)

- **Process Automation** (event or schedule based)

- **Cloud Integration & Data Pipelines** (batch or data streaming)

# DataLark Architecture

**Sources**

- DBMS
- Files
- Applications
- Cloud Services
- Machine Data
- Message Queues

## Data Ingestion

Batch Data

Change Data Capture (CDC)

Stream Data

## Transformations

Transform

Filter

Join

Enrichments

Aggregations

Validate

## Data Delivery

Batch Data

Change Data Capture (CDC)

Stream Data

**Targets**

- Data Warehouse
- Data Lake
- Cloud Services
- AI / ML
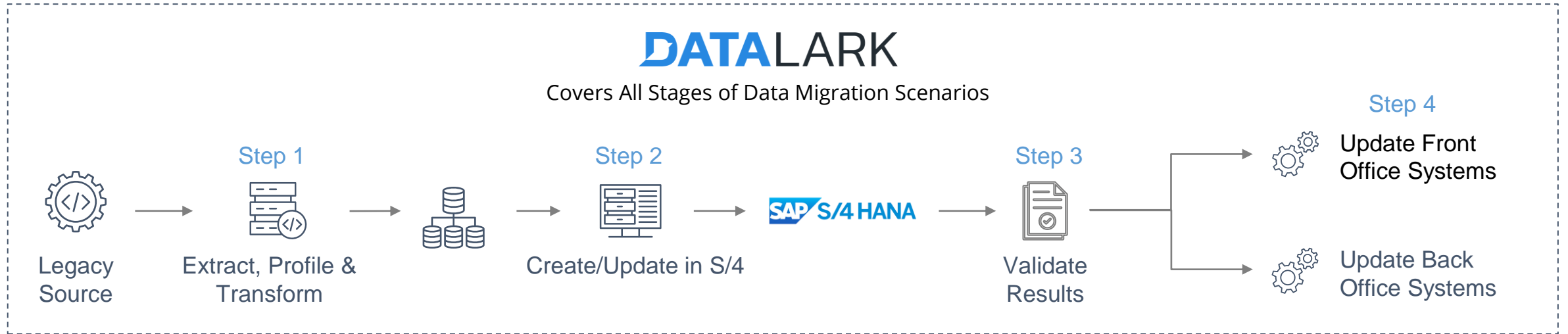- Message Queues

On-premise

Cloud

Hybrid

# DataLark Runtime Options

**USER CONTROLLED OPERATION**

(Desktop Mode)
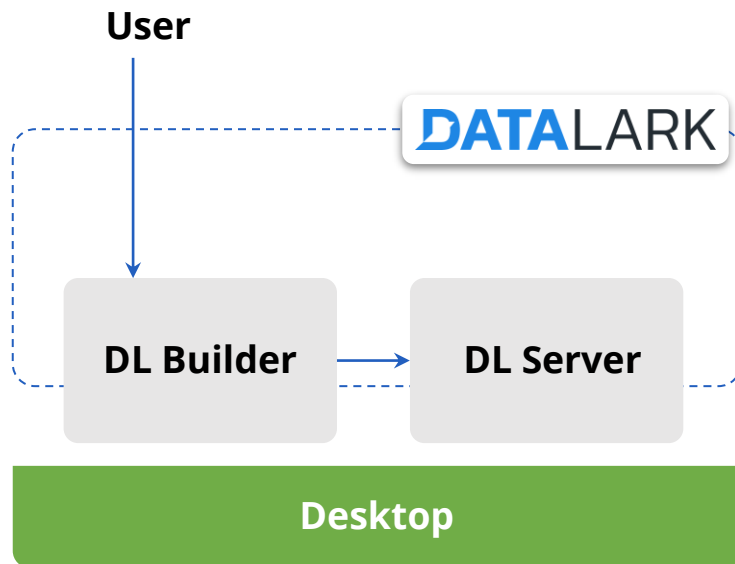
**AUTONOMOUS OPERATION**

(Server Mode)
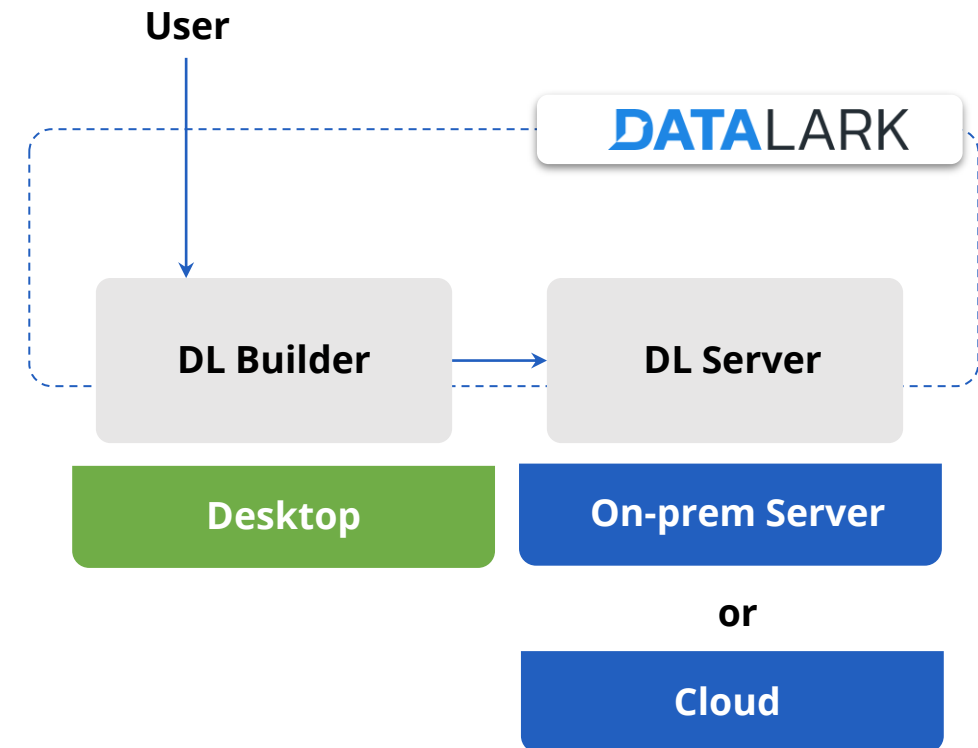
# End-to-End Migration Process with DataLark

**DATALARK**

*Covers All Stages of Data Migration Scenarios*

Step 4
Update Front
Office Systems

Step 1

Step 2

Step 3

Legacy
Source

Extract, Profile &
Transform

Create/Update in S/4

**SAP S/4 HANA**

Validate
Results

Update Back
Office Systems

**LeverX Data Management Team**

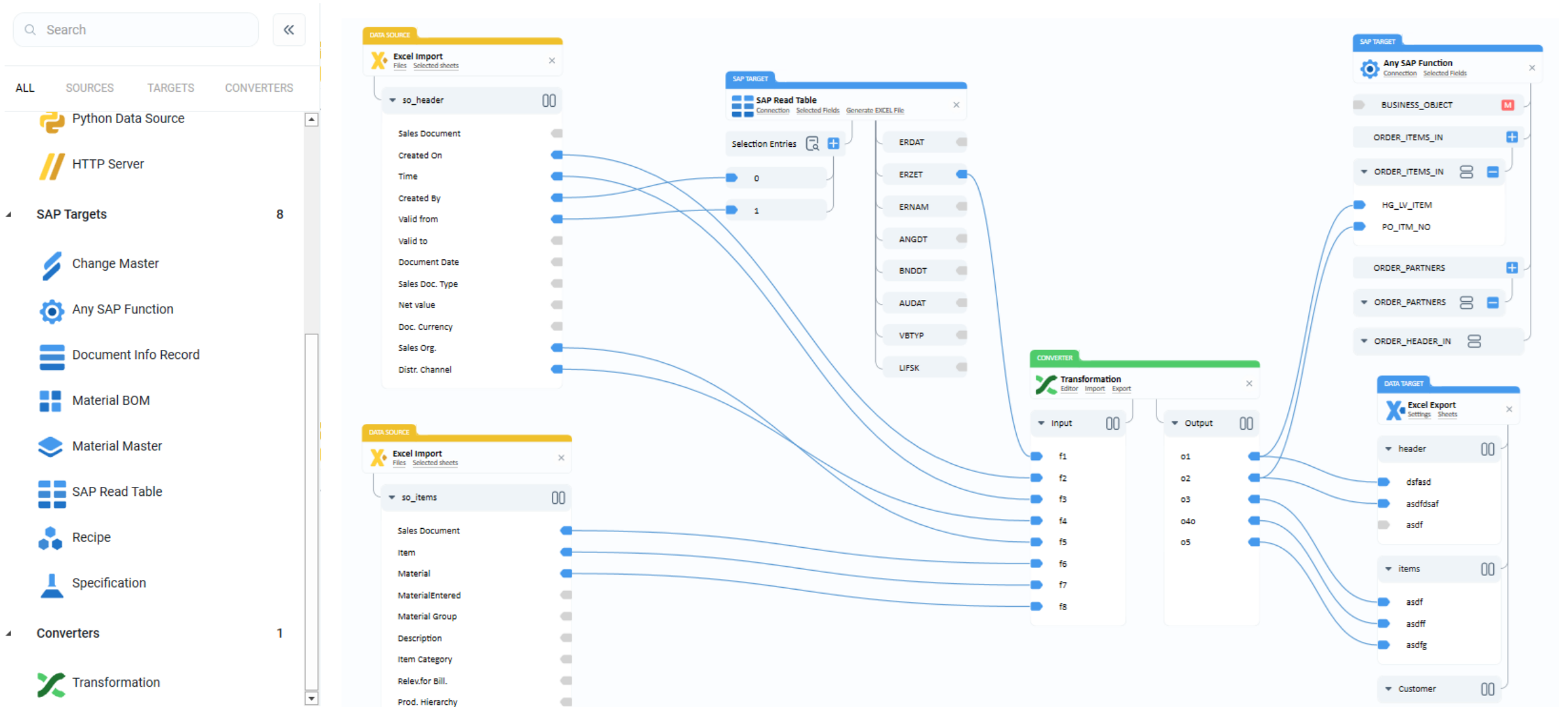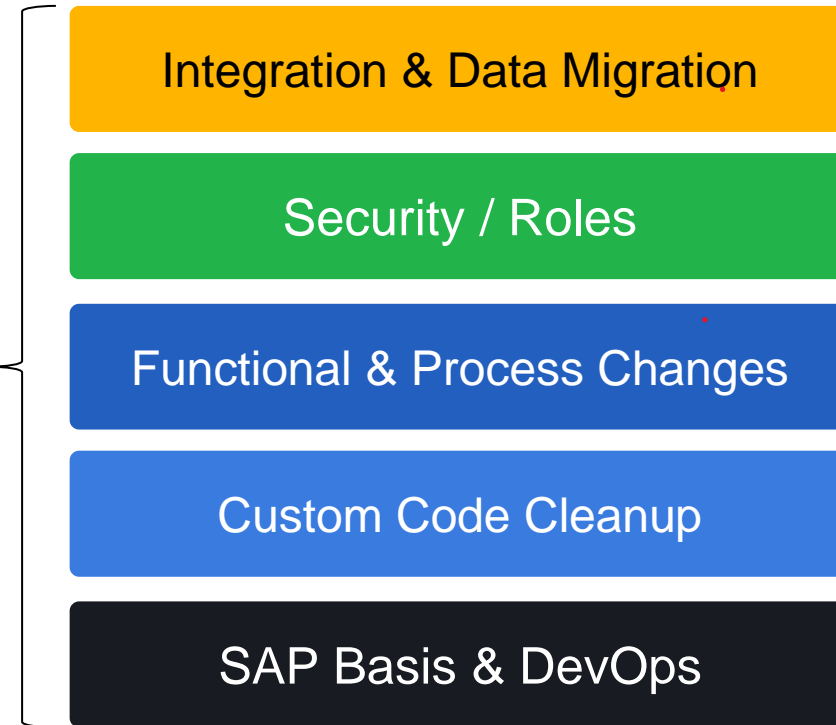| | | | |
|---|---|---|---|
| Holistic E2E data migration approach | Strong team with diverse and relevant skillset | Knowledge of leading industry practices | |
| Best in class Tools and accelerators | Agility in Execution and Delivery | No disruption to business operation | |

# DataLark User Interface

# Migration to S/4HANA

# S/4 Migration: Key Activities

**LeverX End-to-End Services**

Integration & Data Migration

Security / Roles

Functional & Process Changes

Custom Code Cleanup

SAP Basis & DevOps

**DATA**LARK

# Migration to S/4HANA

| | | | **Brownfield approach** |
|---|---|---|---|
| **System Conversion** | SAP ERP System | On-premise SAP S/4HANA / SAP S/4HANA Private Cloud | • Bring your business process to the new platform<br>• A complete technical in-place conversion of an existing SAP Business Suite ERP system to SAP S/4HANA<br>• Adopt new innovations at your speed |
| | | | **Greenfield approach** |
| **New Implementation** | SAP ERP or 3rd party systems | On-premise SAP S/4HANA / SAP S/4HANA Public/Private Cloud | • Reengineering and process simplification based on latest innovation<br>• Build an enterprise template to optimise business processes using S/4 innovations<br>• Aligned to SAP solution roadmap<br>• Leverage quick wins with Cloud solutions as part of implementation |
| | | | **Bluefield Approach** |
| **Selective Data Transition** | SAP ERP or 3rd party systems | On-premise SAP S/4HANA / SAP S/4HANA Rise with SAP | • Migrating specific business entities, master data, or transactional data from the existing system to SAP S/4HANA.<br>• Allows organizations to focus on migrating relevant data while leaving behind obsolete or unnecessary data. |

**INFRASTRUCTURE AND HYPERSCALERS**

**BTP** — **BUSINESS TECHNOLOGY PLATFORM**

**CLOUD DEVELOPMENT**

**SECURITY**

**DEVOPS**

# SAP Data Migration Tools & DataLark

| NEW IMPLEMENTATION | SYSTEM CONVERSION | SELECTIVE DATA TRANSITION |
|---|---|---|
| **LeverX DataLark** | | **LeverX DataLark** |
| SAP Migration Cockpit (MC) | | SAP Migration Cockpit (MC) |
| SAP Data Services (RDM) | NA | SAP Data Services (RDM) |
| SAP LSMW | | SAP LSMW |
| | | SAP Data Management & Landscape Transformation (DMLT Service) |

# Data Migration Tools / Features Comaprison

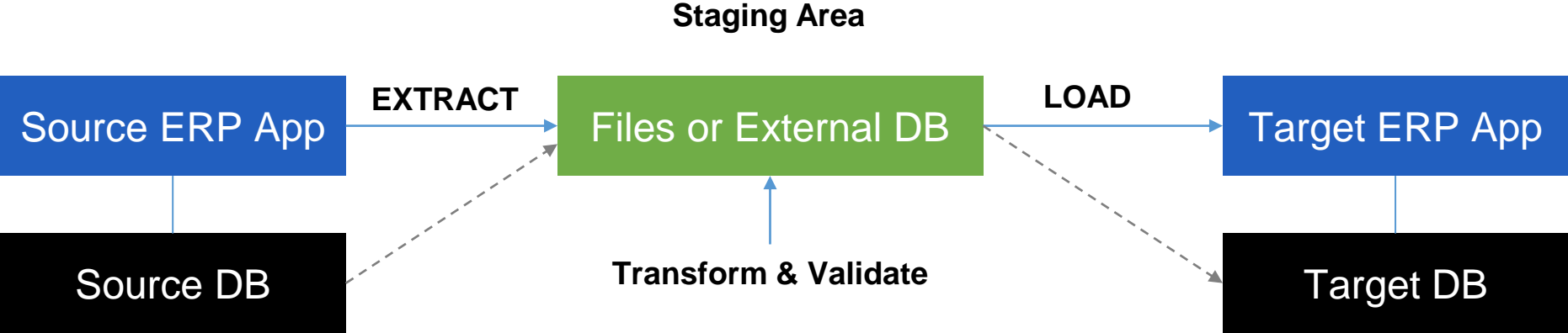| | DataLark | SAP Integration Suite | SAP Cloud Integration for Data Services | Migration Cockpit | Legacy Transfer Migration Cockpit (LTMC) | RDM |
|---|---|---|---|---|---|---|
| **Functional Areas** | • Migration<br>• Integration / APIs<br>• Transformation<br>• Validation | • Migration<br>• Integration / APIs<br>• Transformation<br>• Validation | • Migration<br>• Integration<br>• Transformation | • Migration | • Migration | • Migration |
| **Type** | • On-Premise<br>• Cloud<br>• Hybrid | • On-Premise<br>• Cloud<br>• Hybrid | • Cloud | All SAP S/4HANA deployment options | • SAP ERP<br>• SAP S/4HANA (On-premise) | • SAP S/4HANA (On-premise) |
| **Integration with External Systems** | • WMS, MES, eCommerce, HR, Authoring Tools, CAD<br>• Master Data Consolidation<br>• Any-to-any | • Any-to-any, SAP, and third-party integrations | • On-Premise SAP and non-SAP systems<br>• Cloud-based SAP applications | NA | NA | SAP or non-SAP |
| **Source** | • Files<br>• DBMS<br>• Applications<br>• Cloud Services<br>• Machine Data<br>• Message Queues<br>• Any | • Any | • Files<br>• On-Premise DB<br>• Azure<br>• GBQ<br>• Web Services (SOAP, Rest)<br>• SuccessFactors, OData | • Files<br>• Staging tables<br>• Direct selection from SAP source systems by RFC | • XML files | • Files<br>• Staging tables<br>• Developing own extractors for direct selection from any DB using ODBC |
| **Target** | • All SAP S/4HANA deployment options<br>• Non-SAP applications<br>• Any | • Any | • Cloud-based SAP applications | All SAP S/4HANA deployment options | SAP S/4HANA | SAP S/4HANA (On-premise) |

# Data Extraction, Preparation and Load Using DataLark

```
Source ERP  →  DataLark       →  Staging
               Conversion         (optional)
```

**Source Data**

- Extraction
- Analysis
- Transformation
- Enrichment
- Mapping

**1** → S/4 Migration Cockpit

Migration Object Modeler

**2** → DataLark Migration

Direct Load

Standard BAPIs

Custom Functions

**S/4 HANA**

**Option 1:** Extraction, formatting, and transformation are done with DataLark. Load to S/4HANA with the SAP Migration Cockpit. Good for standard cases.

**Option 2:** Extraction, formatting, transformation and load to S/4HANA are done with DataLark. Good for more complex cases that require flexibility.

# DataLark: Available Transfer Methods (i)

**Method with Data Staging**

**Staging Area**

| Source ERP App | → EXTRACT → | Files or External DB | → LOAD → | Target ERP App |
| --- | --- | --- | --- | --- |

**Source DB**

**Transform & Validate**

**Target DB**

# DataLark: Available Transfer Methods (ii)

**Direct Data Transfer Method**
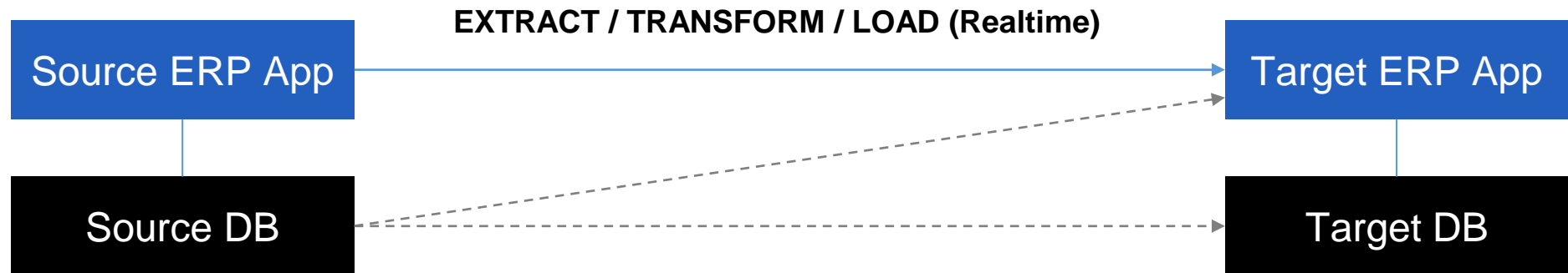
# DataLark Key Differentiators

Designed for business users

Modern and intuitive user interface

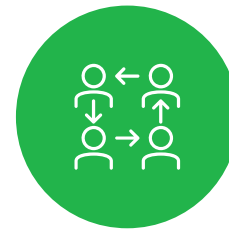Unlimited flexibility and extensibility

Desktop, Server, and Cloud Deployments

Small Footprint (Desktop version)

No need for IT involvement (Desktop and Cloud versions)

Rapid Deployment and User Training

Flexible pricing model

# Demonstration

[Prerecorded Demo](Prerecorded Demo)

**LEVERX GROUP**

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# Thank you!

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