POWERED BY CLOUDS ON MARS

Unlock SAP's Hidden AI Potential

Seamless Integration to Microsoft Fabric for Real-Time Analytics and Next-Gen Insights.

Why Integrate Now?

- AI FUTURE-PROOFING: Fabric offers native AI/Copilot readiness across the entire data estate, from data loading (Data Factory) to reporting (Power BI).
- SIMPLICITY & OPENNESS: Move from proprietary, monolithic SAP BW architectures to a cloud-native, modular platform using open formats. This eliminates data silos and architectural duality.
- SUPERIOR COST-EFFECTIVENESS: Fabric's unified SaaS capacity model significantly reduces Total Cost of Ownership (TCO) compared to complex legacy data warehousing solutions.
- REAL-TIME AGILITY: Shift from end-of-day batch reporting to quasi-real-time updates. You can reduce posting visibility from 24-48 hours to 3-4 minutes for financial month-end closing metrics

How we do it?

	Option I **Data Gateway + ODBC (Dataflow Gen2)**	Option II **ODBC (Pipelines / ELT)**	Option III **SAP CDC (ODP)**
Volumetrics & Freshness	Small/Medium tables. Typically 1x/day refresh	Medium/Large tables. Better support for parallel loading and partitioning	Very Large tables. Only transfers changes (minimal volume). Quasi real-time freshness (minutes/hours)
Technical Core / Tooling	Power Query transformations in Dataflow Gen2. Requires On-premises Data Gateway + ODBC driver.	Data Factory Pipelines (Copy Activity) and Notebooks. Requires Self-Hosted Integration Runtime (IR).	SAP CDC Connector in Data Factory. Requires ODP configuration in S/4HANA (CDS views, extractors)
Target Use Case	POCs and Reference Data. Fastest time-to-value (a few days).	Stable ETL/ELT. Preferred for the majority of tables with moderate volume and high scalability requirements	Critical Data. Tables requiring high freshness and low latency updates (e.g., Financials, Inventory)

Contact us to find out more about our data & AI solutions www.cloudsonmars.com
info@cloudsonmars.co

CLOUDS ON MARS

Scope

We deliver expert-led **SAP data migration** to **Microsoft Fabric**, establishing a unified, AI-ready analytics foundation by integrating SAP S/4HANA/ECC data through validated pathways (ODBC, CDC/ODP) to ensure real-time insights and accelerated business value.

- **Validated Integration Pathways:** We implement the optimal data extraction path for SAP S/4HANA/ECC data (ODBC/Dataflow, ODBC/Pipelines, or SAP CDC/ODP), ensuring scalable movement of both full loads and real-time deltas.
- **Unified, AI-Ready Fabric Foundation:** We establish a complete Lakehouse architecture (Bronze/Silver/Gold) on OneLake, unifying SAP and non-SAP data for AI/ML capabilities and next-generation analytics.
- **Enterprise-Grade Governance and Security:** We deploy modern security models using RLS/CLS and Microsoft Entra ID while establishing native data lineage and auditing via Microsoft Purview.
- **De-Risked, Phased Methodology:** We execute the transition through a governance-first, phased PoC with a parallel run validation and expert manual remediation for complex custom code (e.g., Stored Procedures).
- **Modern Planning & Reporting Solutions:** We replace legacy BPC and BW Queries by implementing the Power BI Semantic Model and building custom planning solutions (e.g., write-back) using Power Apps.

Why Clouds on Mars?

- **Elite Microsoft Partner Status:** Certified Microsoft Solutions Partner with proven expertise and deep knowledge of the Microsoft Fabric and Azure ecosystem.
- **Fabric Implementation Track Record:** Extensive experience delivering complex, enterprise-scale migrations to Microsoft Fabric, ensuring your project's success.
- **Direct Product Group Access:** Our CTO is a former Microsoft employee, providing direct access to Microsoft product groups and first-hand knowledge of the latest features and best practices.
- **Proprietary De-Risking Methodology:** We utilize our own refined methodology and tools to minimize risk, reduce time-to-value, and confidently complete scenarios where standard tools fall short.

Microsoft Solutions Partner
Digital & App Innovation
Azure

Fabric Featured Partner
Microsoft

Microsoft Solutions Partner
Data & AI
Azure
Specialized Partner
Analytics on Microsoft Azure

Timeline

Clouds on Mars uses a Hybrid Agile Approach (estimated duration: 2-3 weeks) to deliver the scalable SAP–Fabric Proof of Concept (POC).

Assessment

- **Goal**: Define solution and requirements.
- **Method**: Surveys, Workshops, and "AS IS" analysis.
- **Output**: Low-Level Architecture Design, Project Plan & Backlog.

PoC Delivery

- **Scope**: End-to-end data platform implementation.
- **Architecture**: OneLake Medallion (Bronze, Silver, Gold) deployment.
- **Process**: CI/CD pipelines, security model implementation (RLS).
- **Testing**: Business UAT (up to 1 week).