

Solix Data Lake Plus:

Accelerating Value, Powered by AI

Manage, govern, and activate enterprise data to gain insights and develop AI-ready data products.

Solix Data Lake Plus, built on the Solix Common Data Platform (SCDP), bridges two previously distinct worlds: the System of Record, which maintains enterprise memory and ensures compliance, and the System of Insights, which powers analytics, applications, and AI.

The “Plus” in Solix Data Lake Plus indicates that your preservation, operational, and analytical data can all reside on a single, governed platform, where data is catalogued once, secured once, and can be activated anywhere.

➔ Key Product Highlights:

- Enables a Unified Records & Insights Platform
- Connects to any source
- Business glossary
- Enterprise Search
- Enterprise SSO, LDAP/AD, RBAC Auto-Provisioning
- Data Preparation and Quality Management
- Lifecycle Tiering from Landing to Preservation, Cleansed, and Curated Zones
- Supports Open-Table formats like Hudi and Parquet
- Built-in Observability and Audit
- Transactional Updates & Data Lineage
- Federated Data Governance and Management
- Policy-driven Metadata & Cataloguing
- Multi-cloud & Hybrid Deployment Options

➔ Introducing Solix Data Lake Plus

Solix Data Lake Plus is a transactional, streaming data management service built on the Solix Common Data Platform. It combines the durability and control of record management and archiving with the agility of analytics and AI.

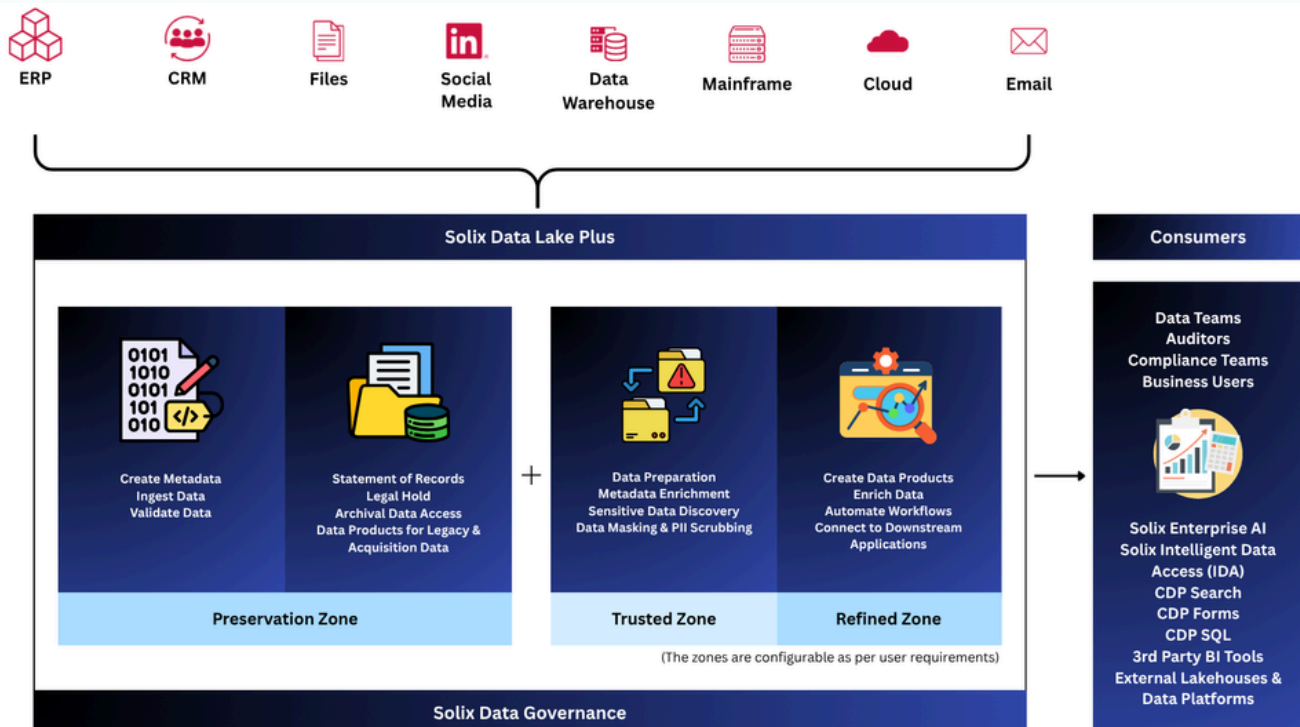
Solix Data Lake Plus can ingest, process, and store large volumes of structured, unstructured, and semi-structured data in its raw, untouched format without losing fidelity. Data can be organized

through policy-aware zones (raw, archival, cleansed, and curated) to generate actionable insights and AI-ready data products that support business applications, analytics, and enterprise AI.

A key differentiator of Solix Data Lake Plus is its ability to manage archival records and active data within a single platform.

The same catalog, policy engine, governance frameworks, security rules, and lineage graphs oversee both archives and active datasets, ensuring that retention, legal holds, discovery, masking, and access controls are applied consistently at both read and publish stages.

Zero-copy architecture enables data products to remain consistent across SQL endpoints, files, APIs, feature feeds, and vector indexes, ensuring seamless integration.



Key Features of Solix Data Lake Plus:

Data Preparation

Design multi-step, configurable data preparation workflows to cleanse, standardize, and enrich datasets for analytics and insights. Transformed outputs can be published in open formats, such as Parquet, ORC, Hudi, and other open table formats, or into operational data stores like Postgres or Citus, based on downstream needs.

Zero-Copy Data Access & Federated Data Governance:

Implement governance rules for both local and external data sources using Solix Federated Data Governance. Zero-copy access frameworks allow users to access data via SQL, APIs, feature feeds, and vector indices without duplication.

At the same time, policies for retention, purge, legal holds, consent management, masking, encryption, tokenization, and PII discovery can be enforced during both publishing and reading, preserving lineage and versioning without the problems caused by duplication.

Incremental Streams:

Use change data capture and streaming to capture continuous changes while optimizing compute allocation. Keep data fresh with incremental data pipelines that maintain consistency over time.

Data Tiering:

Lower the costs of maintaining your System of Records. With policy-driven tiering, assign data to the suitable storage class based on age, access, and retention needs, keeping hot data on active tiers and shifting long-term data to low-cost preservation tiers. Data integrity, governance, and recall are preserved to ensure your data stays compliant and always accessible.

Sensitive Data Discovery & Dynamic Masking

Through native Solix CDP capabilities, discover and dynamically mask sensitive data across structured, unstructured, and semi-structured data environments, enabling safer and more compliant data access.

Catalog, Lineage, and Business Glossary

Discover datasets quickly with a metadata-driven catalog that spans archives and active stores. Track lineage from source to data product. Use the built-in business glossary for shared definitions, stewardship of ownership, and term-to-asset relationships.

Access Controls & Privacy

Secure your data with enterprise-grade authentication using SSO, LDAP, or AD integration, along with automated onboarding and RBAC provisioning. Implement policy-based access controls at the table, column, and row levels, featuring dynamic data masking, tokenization, encryption, PII discovery, consent management, retention, and legal hold mandates, all enforced across SQL, files, APIs, feature feeds, and vector indexes.

Data Quality:

Embed validation rules, schema checks, and anomaly detection to ensure that published products are accurate, consistent, and reliable. Gate releases with quality thresholds and certification badges in the catalog.

Information Lifecycle Management (ILM):

Automate classification, migration, archiving, retention, and deletion based on policy. Support discovery readiness with legal hold and defensible audit, ensuring governance and compliance throughout the lifecycle.

Data Product Deployment:

Use governed datasets to deliver data products for key use cases such as customer 360, fraud risk management, recommendations, compliance reporting, forecasting, and IoT health. Data can be accessed via SQL, files, APIs, feature stores, vector indices, and more, with zero-copy technology and governance policies enforced.

Multi-cloud and Open By Design:

Run in your preferred cloud or hybrid environment. Rely on open table formats like Hudi and Parquet to prevent vendor lock-in, while enabling interoperability between tools, applications, and stacks.

Key Feature	Why It Matters?	The Solix Advantage
Unified Records & Insights	Enterprise archives hold valuable insights, but accessing them securely and quickly requires a balance of compliance and agility.	One platform that manages archives and active datasets with a shared catalog, policy, and lineage
Seamless AI Enablement	Curated, trustworthy data is crucial for AI	Produce governed, AI-ready datasets for downstream use for generative AI and ML.
Built-in Federated Data Governance	Compliance, privacy, and security are non-negotiable	Govern data in place, enforce retention, legal holds, masking rules, consent & residency frameworks, and audit workflows
Low-risk, Modular Adoption	Minimize disruption, and accelerate value creation	Start with catalog or governance, and over time, add create pipelines, data quality workflows, and deploy AI-ready data products
Open & Hybrid Deployments	Avoid lock-in and align with existing data management investments	Supports open table formats, multi-cloud, and seamless integration with the existing stack

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