

Delphix Compliance Services (DCS) for Microsoft Azure

Automate Sensitive Data Discovery and Masking in Azure Analytics and AI

The cloud is filled with personally identifiable information (PII) and other confidential information, fueling privacy and security risk. Sensitive data from every production app flows to 10+ downstream systems for dev/test and analytics. Organizations often manage these risks manually—or sometimes not at all. Delphix Compliance Services (DCS) for Azure automates data compliance and security to unblock data movement and accelerate innovation.

Simplifying Compliance in Azure ETL Tools

DCS for Azure is the only solution that provides automated sensitive data discovery and masking for Databricks, Snowflake, Azure Data Lake, and 100 more sources, pre-integrated into Azure ETL data flows, and developed in partnership with Microsoft, to execute within Azure Data Factory (ADF), Azure Synapse Analytics, or Microsoft Fabric. With Delphix, you can rapidly deliver compliant data for analytics and AI, without compromising quality. No trade-off necessary.

How it Works: Mask and Move Data in Four Steps

1. Select source and target.

Using a pre-built template, select sources and targets, leveraging over 100+ ADF-supported connectors, including SaaS applications and PaaS databases. DCS for Azure can mask data from any of these sources and provide masked data within Azure ETL data flows.

2. Discover sensitive data.

Next, point Delphix to the databases and tables you wish to scan for sensitive data. Delphix can identify sensitive data across a number of data domains including PII, PHI, and other sensitive data pertaining to specific regulations such as GDPR, CCPA, and HIPAA. DCS will then automatically map the identified sensitive data to compliance rules.

3. Select compliance rules (optional).

To further customize your data protection, you can add other sensitive data to your own compliance rules, or customize Delphix assigned ones. Choose from either out-of-the-box masking algorithms or define new or custom algorithms. These algorithms will replace sensitive data with fictitious, yet realistic values, and do so consistently across any ADF data flows you choose to mask.

4. Run the data flow to deliver compliant data.

Finally, run the data flow to mask data prior to delivery to the selected target. Masked data maintains multicloud referential integrity, is production-like in quality, and remains fully functional for accurate analysis, development, or testing. The service can run any number of concurrent masking jobs to meet the scale needed for enterprise data movement.

Delphix Key Capabilities

» Reduce Sensitive Data Risks in Azure Analytics & AI

Automatically discover and mask data for compliance with privacy laws such as GDPR, CCPA, and HIPAA.

» Remove Compliance Bottlenecks

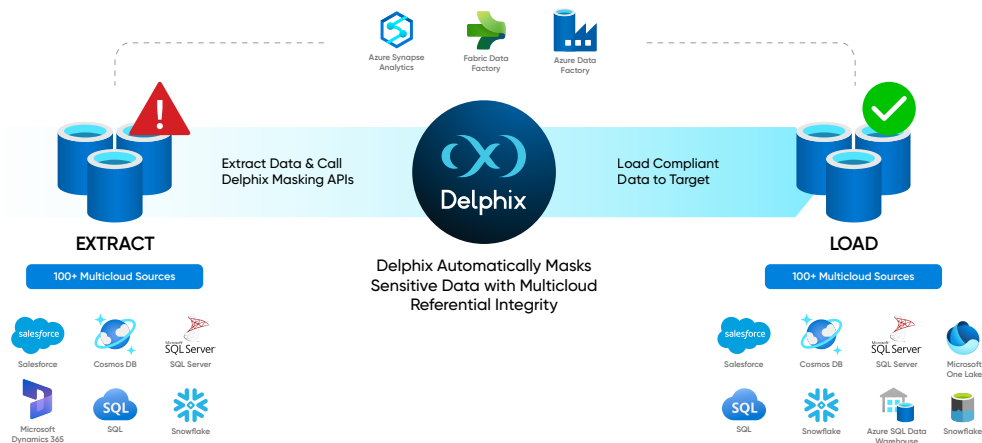
Reduce friction and add speed by embedding compliance within Azure ETL flows.

» Analytics Consistency

Masking ensures compliant data retains its analytical meaning and referential integrity to support quality, reliable analytics.

» Multicloud Referential Integrity

Leverage the same secure algorithms across clouds and data centers.



Feature Overview

- » **Sensitive data discovery**
Automatically identify sensitive data fields subject to privacy and industry laws.
- » **Automated masking within ETL data flows**
Apply masking rules to data within ETL streams to deliver compliant data where and when it's needed.
- » **Quality data with realism**
Transform sensitive values into realistic yet fictitious data, to enable meaningful and accurate analytics.
- » **Referential integrity across hybrid cloud**
Consistently mask data across PaaS, SaaS, and on-prem sources for improved quality of development and analytics.
- » **Extensive masking algorithm library**
Use a comprehensive set of pre-built, customizable masking algorithms to accelerate compliance with privacy or industry regulations and corporate policies.
- » **Incremental masking**
Mask only incremental data, using change data capture (CDC) functionality for supported connectors, like Cosmos and Azure SQL. This accelerates pipeline speed and data refresh while reducing storage space and costs.
- » **Pre-built integrations and templates**
Use code-less templates and pre-built integration with ADF and Azure Synapse Analytics to automatically integrate data compliance into end-to-end data flows.
- » **Universal multicloud connectivity**
Leverage 100+ ADF connectors to move compliant data where it's needed along with Delphix fast-start templates for key enterprise applications like SAP.
- » **Data Subsetting**
Reduce data volumes as data is masked to save time and costs.



Delphix is the industry leader for DevOps test data management.

Businesses need to transform application delivery but struggle to balance speed with data security and compliance. Our DevOps Data Platform automates data security, while rapidly deploying test data to accelerate application releases. With Delphix, customers modernize applications, adopt multicloud, achieve CI/CD, and recover from downtime events such as ransomware up to 2x faster.

Leading companies, including Choice Hotels, Banco Carrefour, and Fannie Mae, use Delphix to accelerate digital transformation and enable zero trust data management. Visit us at www.delphix.com.

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