teleran.
Data Protection and Compliance

Dynamic Data Masking in Azure

Benefits

- Protects sensitive data against costly breaches and compliance violations

- SaaS solution deploys quickly and easily, speeding time to protection

- Automated masking policy generation saves time and maximizes accuracy

- Simplifies process, minimizing time, cost and effort to protect sensitive data

- Consistent solution across on-premise, hybrid and cloud deployments

Features

- High speed engine dynamically masks sensitive data in real-time

- Addresses specific data privacy compliance requirements of GDPR, PCI, HIPAA, others

- Closes inferencing, brute force security gaps left open by Azure SQL and Synapse Analytics Data Masking

- Patented masking engine adds no perceptible overhead to data access

- Integrates with sensitive data discovery solutions

For more information visit www.teleran.com, or call +1 973 439 1820

Protects Sensitive Data in Azure for Security and Regulatory Compliance

Teleran's Dynamic Data Masking (DDM) masks or redacts sensitive data in production systems such as CRM, financial, analytics and data warehouses. It dynamically masks personal identifiable information (PII) or proprietary business information, protecting it from unauthorized access, misuse and costly breaches. Teleran's powerful combination of real-time data masking and access controls closes inferencing and brute force security gaps left open by Azure SQL Database/Data Warehouse and Synapse Analytics.

Teleran's DDM is an add-on licensed software module deployed with Teleran's Data Protection and Compliance solution for Azure which includes sensitive data discovery, comprehensive auditing, and real-time data access controls and alerting. DDM addresses the PII protection requirements for a wide range of compliance regulations including GDPR, PCI, HIPAA/HITECH, California Consumer Privacy Act and others.

Example Masked and Redacted Sensitive Data

EMP Name	SSN#	Role	Annual Salary	Location
Phillip RIchards	XXX-XXX-XXXX	ASE	$9999999999	Palo Alto
Liam Donnell	XXX-XXX-XXXX	AE	$9999999999	Boston
Sarah Cohen	XXX-XXX-XXXX	SE	$9999999999	New York
Richard Cowell	XXX-XXX-XXXX	PR	$9999999999	Atlanta

Real-Time Data Masking Adds a Critical Layer of Protection

DDM leverages Teleran's network-based listener agent technology to evaluate queries in real-time. It determines if an application user is authorized to access the sensitive data requested. If a user is not authorized, Teleran's high speed masking engine will rewrite the query to mask only the sensitive data in the query results sent back to the user. Teleran's engine promptly sends the query to the database for processing. Teleran's multi-threaded, highly performant masking takes place in milliseconds, adding no perceptible latency to the query.

Automated Masking Policy Generation Speeds Time to Protection

Teleran's DDM module automatically creates data masking policies from Teleran's Sensitive Data Discovery or other discovery solutions. This significantly reduces deployment time, cost and effort. It also minimizes risks of human error that can leave open dangerous data security and compliance gaps. Teleran's DDM applies real-time masking policies by user privileges, location, role, application and function.

DDM Automatically Generates Data Masking Policies

> **Create Data Masking Policy**
> **Datasource, Schema, Table, Column, Sensitive Category, Mask**

Fast, Comprehensive, Cost-Effective Data Protection and Compliance

Teleran DDM provides a comprehensive, real-time data masking solution, delivering fast-to-deploy, cost-effective protection and compliance for your data-intensive production systems.