Velotix

POLICY-BASED ACCESS CONTROL
FOR DATA GOVERNANCE AND
ORCHESTRATION

In a world of constantly evolving data models and privacy policies, with regulations and rules to apply and track, violation risks and fines are paralyzing business agility. Velotix removes this pain with data orchestration and governance through its unique patented Cybernetic Symbolic AI (IP) giving data teams the ability to automate privacy protection at scale, so the right people access the right data at the right time; compliantly.

Velotix is a Dynamic Policy-Based Access Control engine that enables self- service, real-time, and secure access and usage of data.

- GRANT FINE-GRAINED ACCESS AT THE COLUMN, ROW, AND CELL LEVEL BASED ON YOUR POLICY

- SCALE POLICY ENFORCEMENT USING METADATA, USER ATTRIBUTES, AND CONTEXT WHILE ACCESSING DATA WITH OUR DYNAMIC POLICY-BASED ACCESS CONTROL (PBAC)

- DECREASE REGULATORY RISK AND PENALTIES BY COMPLYING WITH REGULATIONS AND ORGANIZATIONAL POLICIES

- INCREASE SPEED AND BUSINESS EFFICIENCY WITH FINE-GRAINED ACCESS CONTROL TO DYNAMICALLY FILTER, MASK AND ANONYMIZE SENSITIVE DATA IN REAL-TIME

- CONTROL AND REVOKE ACCESS THROUGH SMART DATA GOVERNANCE WITH TRANSPARENCY
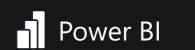
- MAP AND DEFINE DATA RISK LEVELS AND OBSERVE PII DATA USAGE

- OPTIMIZE OPERATIONAL EFFICIENCIES AND IMPROVE BUSINESS PERFORMANCE

- AUTOMATE THE PROCESSING OF REGULATIONS AND INTERNAL POLICIES

- PROTECTION OF PRIVACY REGULATIONS THROUGH ANONYMIZATION AND PERMISSIONS

- GRANULAR ACCESS CONTROL DOWN TO A SINGLE CELL IN A DATABASE

aws · Azure · BigID · Deloitte. · Collibra · Google Cloud · NayaOne · Microsoft Silver Partner · snowflake · Power BI · tableau

GO-TO-MARKET

- B2B SAAS MODEL

- DIRECT SALES

- PARTNERS WITH CLOUD PROVIDERS

BUILD AND ENFORCE ORGANIZATION POLICY

Build and enforce the organization's Policy Catalog

SELF-SERVICE DATA ACCESS

Authorize real time data to people while complying with a dynamic organization policy

DATA DEMOCRATIZATION

Create efficient access and authorization processes to your data lakes and warehouses

COLLATE & UNIFY

THE PROBLEM

When data is found in multiple distinct locations, detached from its legal, privacy and business contexts, data democratization is limited because of insufficient data accessibility.

THE VELOTIX SOLUTION

Data Catalog Aggregation
Combine all your external catalogs into one unified source. Tag and Auto-identify and classify sensitive data over multiple datasets and prevent access and misuse by unauthorized users.

ENFORCE & CONTROL

THE PROBLEM

Role/Attribute-Based Access Control (R BAC/ABAC) is passive and inflexible, mostly manual and not sensitive to changes, causing too many people to have too much access throughout the organization. Permissions are assigned only to user roles, not to objects and operations, which means it's, difficult to ensure compliance with privacy, security, and regulation.

THE VELOTIX SOLUTION

Dynamic Policy Enforcement Engine
Define the data risk levels and observe the usage of PII information throughout the organization. Remove limitations of role-based access control. Provide access per use case. Review system suggestions. Run analytics and machine learning only on data a specified user is allowed to see.

BUILD & ADAPT

THE PROBLEM

Data analyzed changes rapidly and varies among different team members across multiple teams, leading to a lack in individualized access compliant with organizational policy.

THE VELOTIX SOLUTION

Dynamic Policy Builder with advanced machine learning technology. Build out a policy catalog over time during the processing of data access and transfer requests. Maintain a single source of truth through meshing of data with no transfer or duplication needed.

FLOW & MANAGE

THE PROBLEM

The need for speed and security with sensitive data creates a conflict of interest between those that focus on agility and speed, and compliance officers that push for risk reduction and controls.

THE VELOTIX SOLUTION

Dynamic Workflows Mold according to project needs and business workflows. Manage the automation of tasks performed by different parties. Gain granular control and flexibility. Slash time and expense on implementation. Enable pre-existing and future data request workflows through our intuitive no-code admin UI.

VELOTIX PLATFORM CAPABILITIES

DYNAMIC POLICY BUILDER

Grant fine-grained access at the column, row, and cell level based on your policy

DYNAMIC POLICY-BASED ACCESS CONTROL (PBAC)

Scale policy enforcement using metadata, user attributes, and context while accessing data with our Dynamic PBAC

FINE-GRAINED ACCESS CONTROL

Dynamically filter, mask and anonymize sensitive data in realtime

START FROM ZERO

Minimal initial configurations are required as the platform builds itself during normal operations and overtime

PASSPORT CONTROL

Digital Passport Control to manage real-time access and authorizations with mapping to attributes between the IDP/IAM or Active Directory of the customer

DYNAMIC POLICY ENFORCEMENT ENGINE

Allow the system's Policy Admin to create policies built from multiple policy rules with recommendations generated for the relevant Request Action if all of the rule's conditions are true

DYNAMIC WORKFLOWS

Define request templates and policies through a no-code, intuitive interface with drag-n-drop UI

SMART TAGGING

Utilize the Velotix tagging system to capture metadata with a fully synced taxonomy to auto- reflect bi-directional changes. Identify private information spanning multiple datasets to prevent breaches

AUDITING AND REPORTING

Data Lineage: End to- end auditing and reporting capabilities, anomaly alerts to identify organizational risk level

FINE GRAINED ACCESS CONTROL

Dynamically filter, mask and anonymize sensitive data in real-time Decrease regulatory risk and penalties by complying with regulation and organizational policies

SUPPORTED SYSTEMS

PLATFORM DEPLOYMENT

Kubernetes, including: Amazon AWS EKS, Microsoft Azure AKS, Google Cloud GKE and Self-managed Kubernetes

AUTHENTICATION

SSO, OAuth, SAML (Okta, Ping, etc), Microsoft Active Directory AD / LDAP, JWT

DATA CATALOGS

ibra, Azure Data Catalog, Azure Purview, Google Data Catalog, AWS Glue, BigID

ENCRYPTION

TLS / SSL, AWS SSE, Azure SSE, Google Cloud default keys

CLOUD DATA WAREHOUSES

AWS Redshift, Azure Synapse, Google BigQuery, Snowflake

CLOUD OBJECT STORAGE

AWS S3, Google Cloud Storage, Azure Blob Storage, supported formats: CSV, Parquet

QUERY ENGINES

MySQL, Oracle, PostgreSQL, MS-SQL Server, Cassandra, MariaDB

CLIENT ACCESS

JDBC, Direct Access

START FROM ZERO
Minimal initial configurations required as the platform builds itself during normal operations and over time.

SMART TAGGING
Capture metadata with a fully synced taxonomy to auto-reflect source changes. Identify private information spanning multiple datasets to prevent breaches and misuse.

PASSPORT CONTROL
Digital Passport Control to manage real-time access and authorizations.

USABILITY AND EASE OF USE
Define request templates and policies through a no-code, intuitive interface with drag-n -drop.

DATA LINEAGE
End-to-end auditing and reporting capabilities, anomaly alerts to identify organizational risk level.

08 When and why was it dismissed?
01 What is the data about?
02 What is important about the data?
03 Who is responsible for the data?
04 Who uses it?
05 What system access it?
06 What are the usage limitation and boundaries?
07 What other data does it use?

ABOUT VELOTIX

OUR LEADERSHIP TEAM HAVE INVESTED THEIR CAREERS IN THE FINTECH COMMUNITY, LEARNING TO OVERCOME SOME OF THE MOST COMPLEX AND SENSITIVE DATA GOVERNANCE CHALLENGES. WE FOUNDED VELOTIX NOT ONLY TO EXPEDITE THE DATA JOURNEY BUT TO ALLOW BUSINESSES TO SCALE WHILE PRESERVING SECURITY AND DATA PRIVACY REGULATIONS. OUR TEAM IS DEDICATED TO HELPING GOVERNMENT AND PUBLIC ORGANIZATIONS SECURELY REALIZE THE FULL POTENTIAL OF THEIR DATA. VELOTIX HAS BEEN RANKED TOP-5 STARTUP IN ISRAEL BY CALCALIST, THE ISRAELI ECONOMIST PUBLICATION, AMONGST OTHER RECOGNITIONS.

OUR MISSION

TO ENABLE THE SECURED, EFFICIENT, AND COMPLIANT USE OF DATA.

Velotix

WWW.VELOTIX.AI