

Data Access Enforcer

Protect data and ensure
need-to-know access
anywhere & everywhere



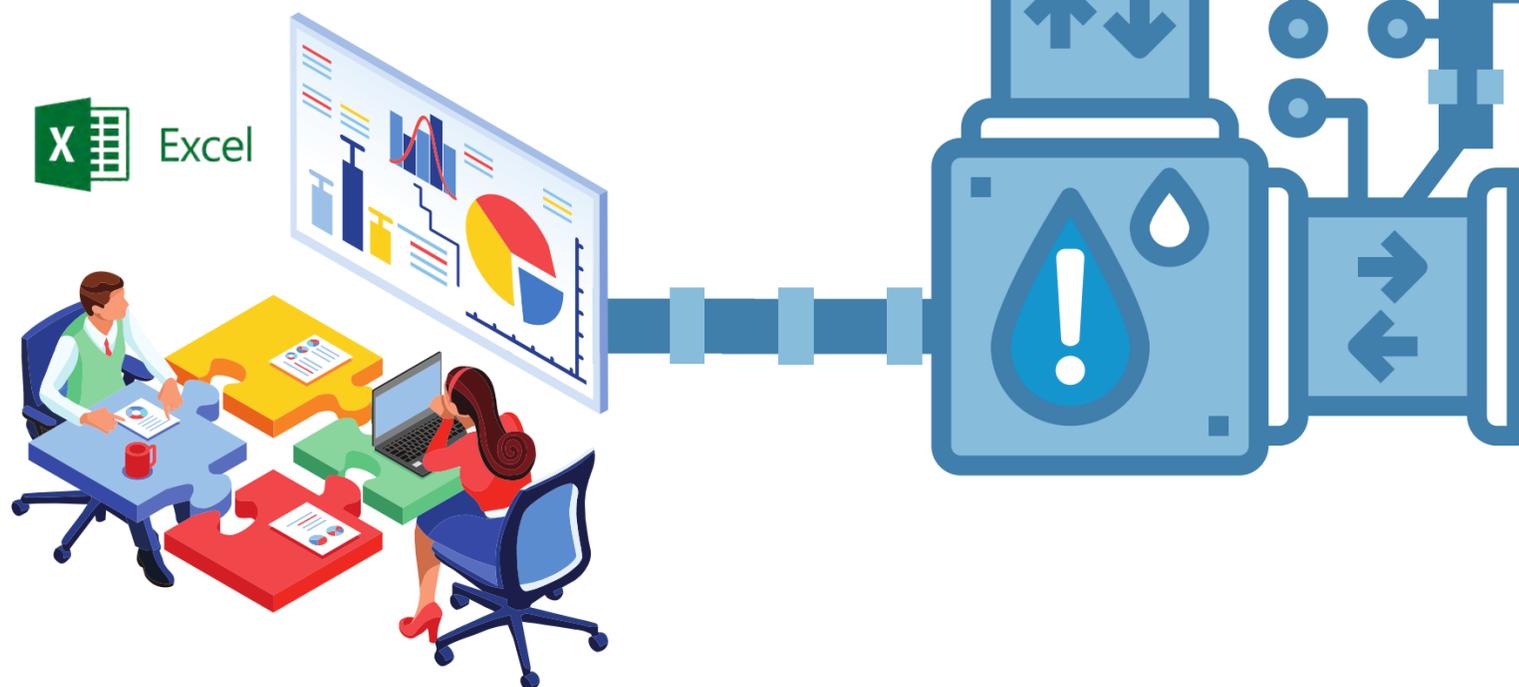
The Vital Importance of Data

Data is the lifeblood of an enterprise. Like **water**, it needs to be readily available to everyone; at the same time, **it must be protected at the source and at the point of use** to preserve integrity and prevent breaches.



Data Access & Availability

In order for enterprises to sustain growth and competitiveness while optimizing operations, it is vital to ensure that **data is available and accessible**. This also allows enterprises to **share information quickly and easily** across its **global workforce, with customers and business partners**.



Need to Share vs. Need to Protect

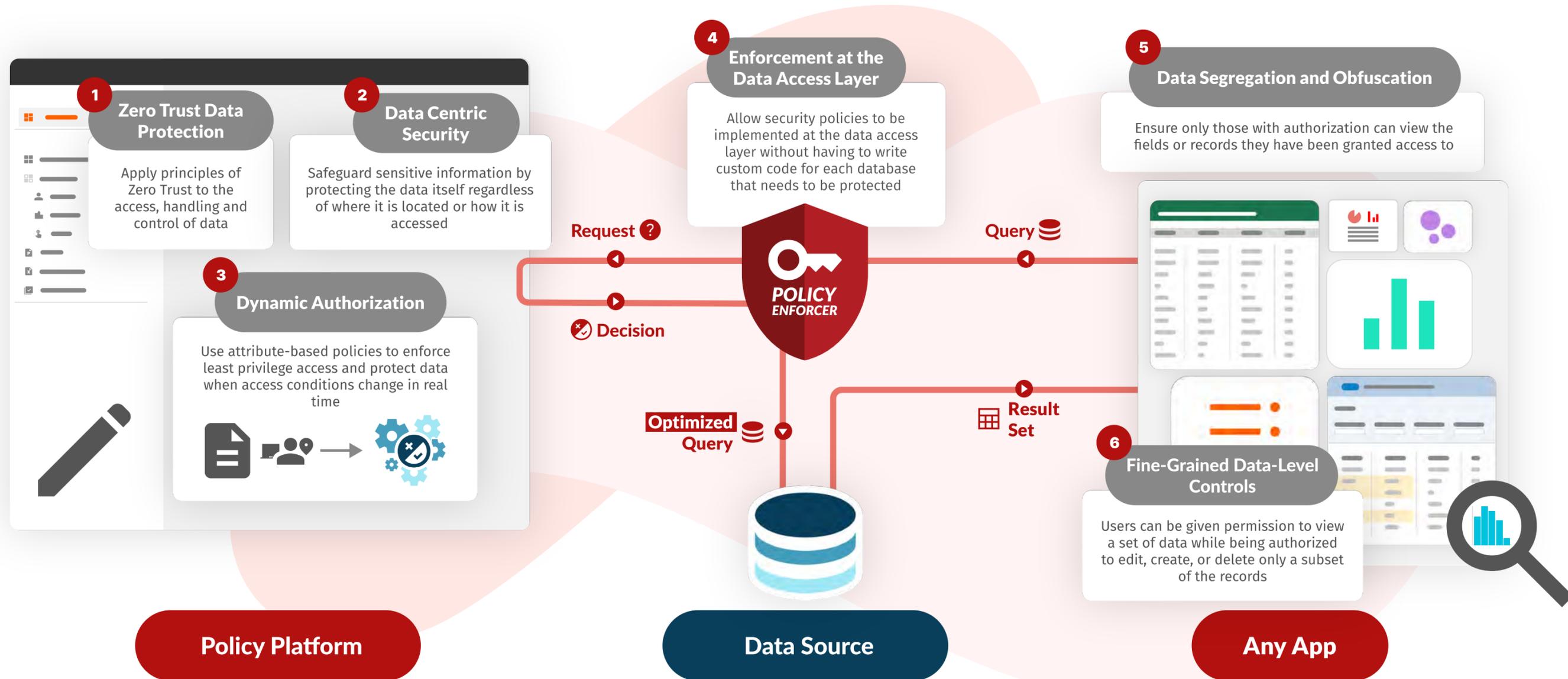
Enterprises face the question of how to collaborate effectively while protecting their critical data. This requires a **balance** between **granting access** to enterprise data and **safeguarding** intellectual property and other sensitive information, in order to **maintain data privacy, compliance, and competitiveness**.

? How can enterprises protect sensitive data and prevent wrongful disclosure without disrupting business continuity?

💡 Apply zero trust principle to enforce "need-to-know" data access.



Applying Zero Trust principles to implement robust data access security across applications, the solution should control access to data through fine-grained attribute-based policies that are dynamically enforced at runtime, regardless of how the data is being accessed.



Integration

Seamless integration with applications, identity providers and attribute sources

Automation

Automates data security and compliance procedures to enhance competitiveness and business agility

Enforcement

Detects, alerts and applies preventive controls to enforce policy universally on any data store

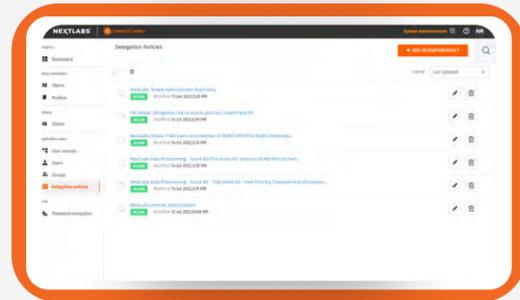
Deployment

Runs in cloud natively, deploys using containers in a hybrid and multi-cloud environments



Centrally Managed Policies

Define single policies that can be consistently applied across the entire enterprise.



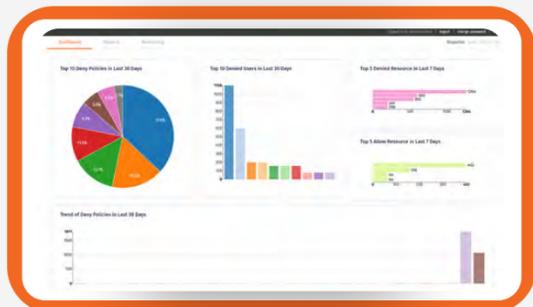
Dynamic Policy Evaluation

Apply Zero Trust principles to determine who can access what data, and **when** and **where** they can do so in real time



Centralized Monitoring & Auditing

Monitor, track, report, and alert on risky access activity to critical field(s) with the **central activity log**.



Powered by Zero Trust Policy Platform, **CloudAz**, NextLabs' **Data Access Enforcer** provides dynamic data-level security controls and fine-grained data access governance while being *UI, API, service and application independent*, supporting any Commercial-off-the-shelf (COTS) application with a single set of policies.



Record-Level Data Segregation & Filtering

Segregates data based on policies, enabling **authorization based on user attributes** such as location, department, project assignment and more.



Field-Level Data Masking

Dynamically masks data with modified content according to attribute-based policies, with **Format-Preserving Encryption** capabilities.



Real-Time Granular Enforcement

Enforcing attribute-based, identity-aware authorization policies with granular **controls over DML actions such as create, update, and delete**.



Zero Code Integration

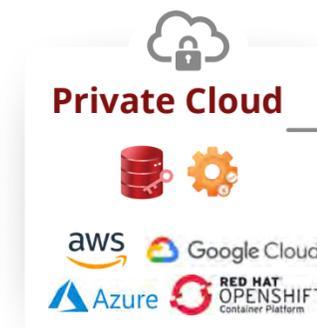
No custom coding required, OOTB support of COTS applications.

Flexible Deployment

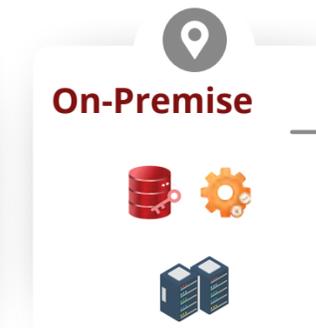
Cloud-native support for **hybrid and multi-cloud deployment**.



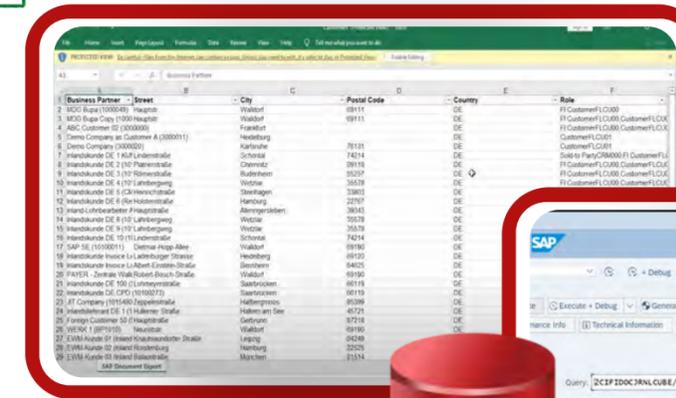
SaaS



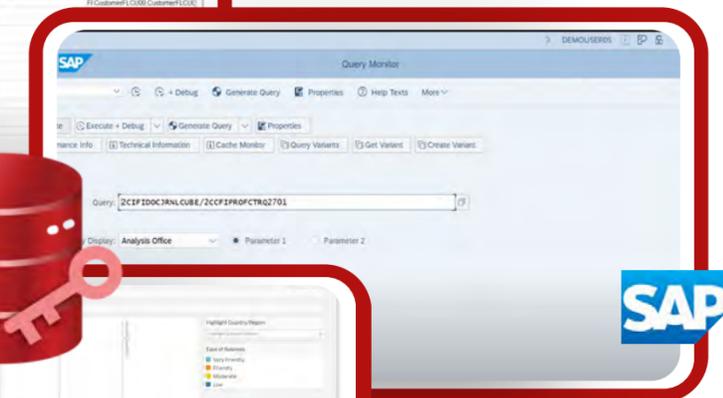
Private Cloud



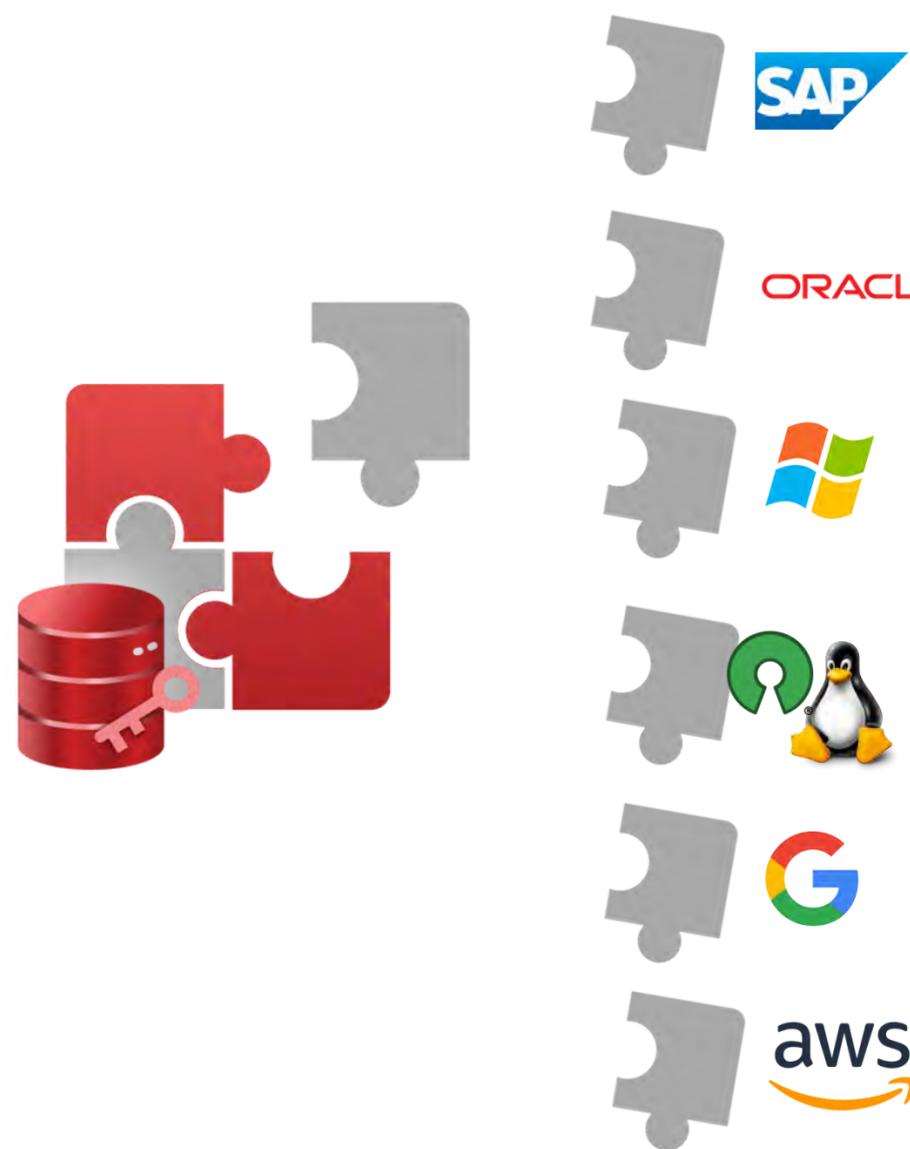
On-Premise



Data Access Enforcer



DAE line of products supports the following applications:



	SAP ERP SAP HANA SAP BW & BW/4HANA
	Oracle DBMS Oracle ERP
	Microsoft Azure SQL Microsoft SQL Server Windows
	Linux PostgreSQL
	BigQuery Google Cloud SQL
	AWS RDS

Data Access Enforcer Benefits:

Protect Sensitive Data

By enforcing data obfuscation and segregation policies, DAE ensures that users can only access the data they are authorized to see, providing unparalleled security and confidentiality.



Increase Collaboration

Safeguard business-critical data and prevent wrongful disclosure through central access control and data security policies.

Improve Business Agility

Automate data protection and ensure need-to-know data access from anywhere through policy while simplifying change management without coding.



Streamline Compliance and Reduce Security Management Costs

Improve compliance with various industry regulations such as GDPR, ITAR/EAR, and SOX, while reducing security management costs through the elimination of complex custom code.





NEXTLABS®

**Zero Trust
Data-Centric Security**

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NextLabs®, Inc. provides zero trust data-centric security software to protect business critical data and applications. Our patented dynamic authorization technology and industry leading attribute-based zero trust policy platform helps enterprises identify and protect sensitive data, monitor and control access to the data, and prevent regulatory violations – whether in the cloud or on premises. The software automates enforcement of security controls and compliance policies to enable secure information sharing across the extended enterprise. NextLabs has some of the largest global enterprises as customers and has strategic relationships with industry leaders such as SAP, Siemens, Microsoft, AWS, Accenture, Deloitte, Infosys, and IBM. For more information on NextLabs, please visit <http://www.nextlabs.com>.

