

Data Access Enforcer

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

NEXTLABS®

Zero Trust
Data-Centric Security



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

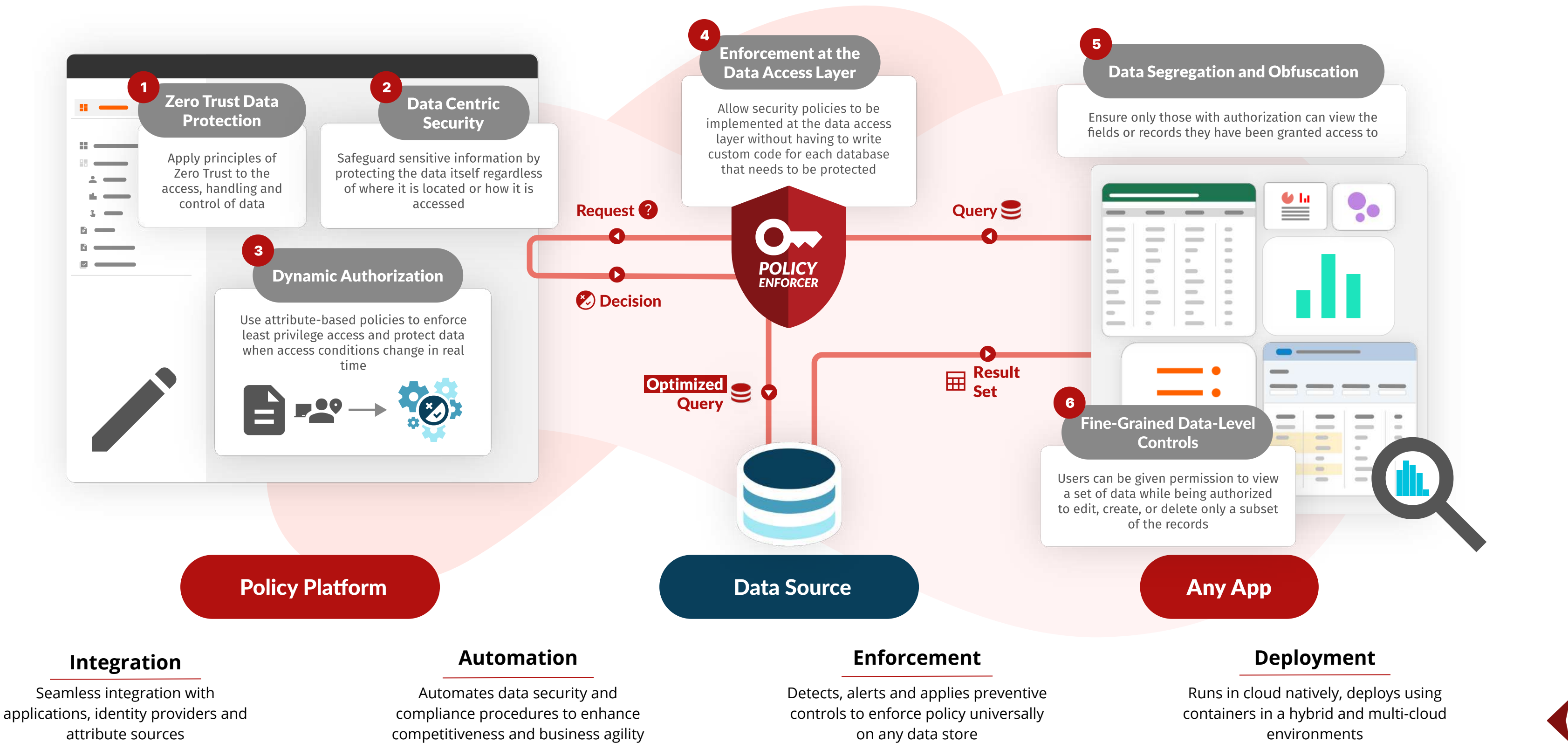
Enterprises face the question of how to collaborate effectively while protecting their critical data. This requires a **balance** between **granting access** to enterprise data and **safeguarding** intellectual property and other sensitive information, in order to **maintain data privacy, compliance,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



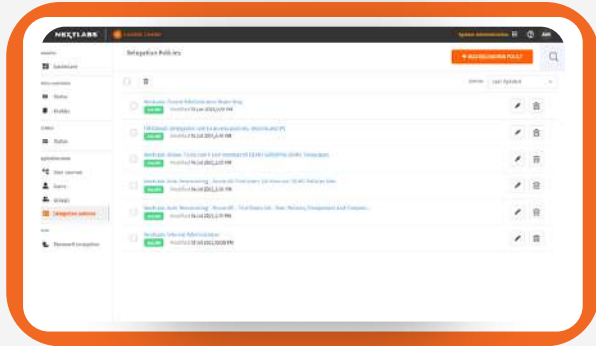
Applying Zero Trust principles to implement robust data access security across applications, the solution should control access to data through fine-grained attribute-based policies that are dynamically enforced at runtime, regardless of how the data is being accessed.



Data Access Enforcer: Secure Global Data Access

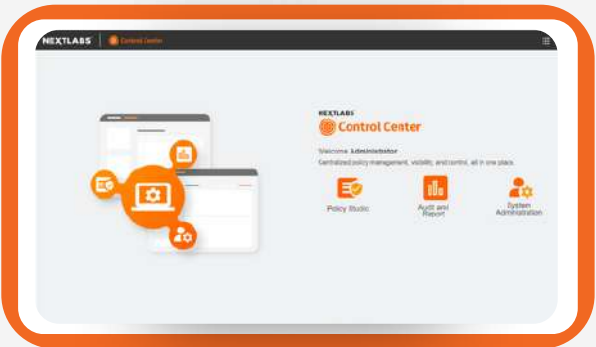
Centrally Managed Policies

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



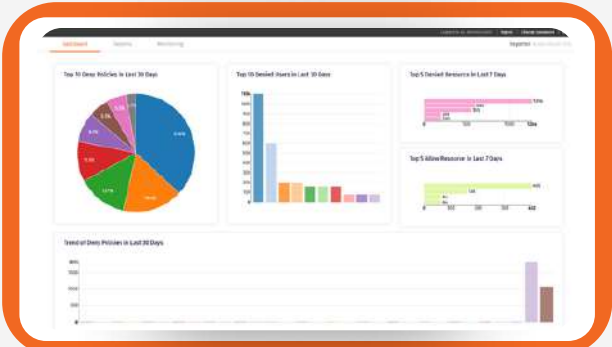
Dynamic Policy Evaluation

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**.

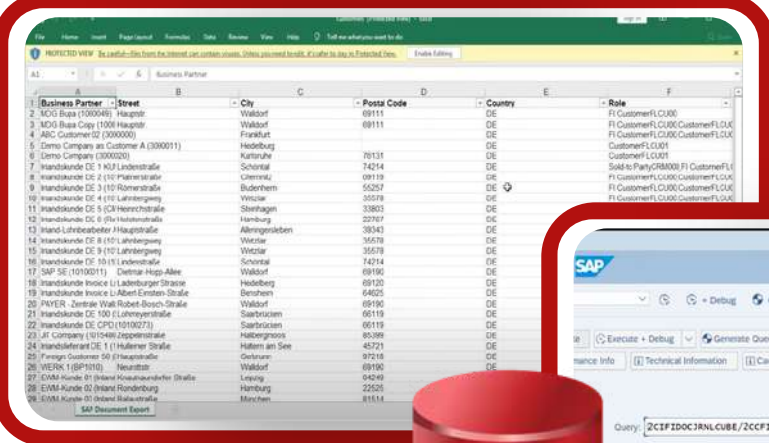


Zero Code Integration

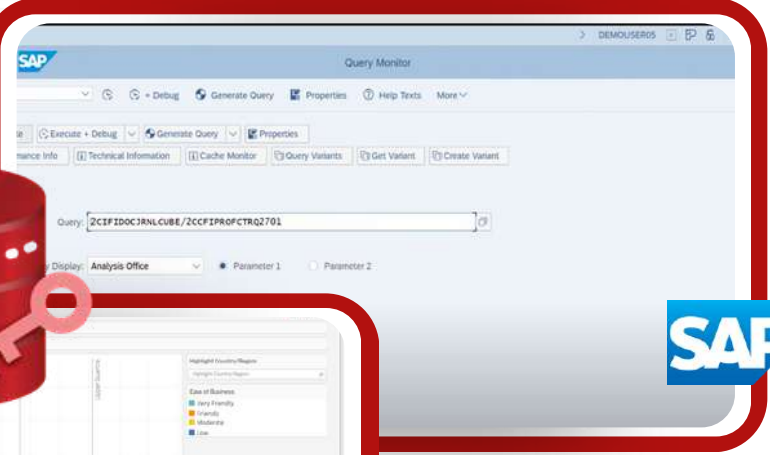
No custom coding required, OOTB support of COTS applications.

Flexible Deployment

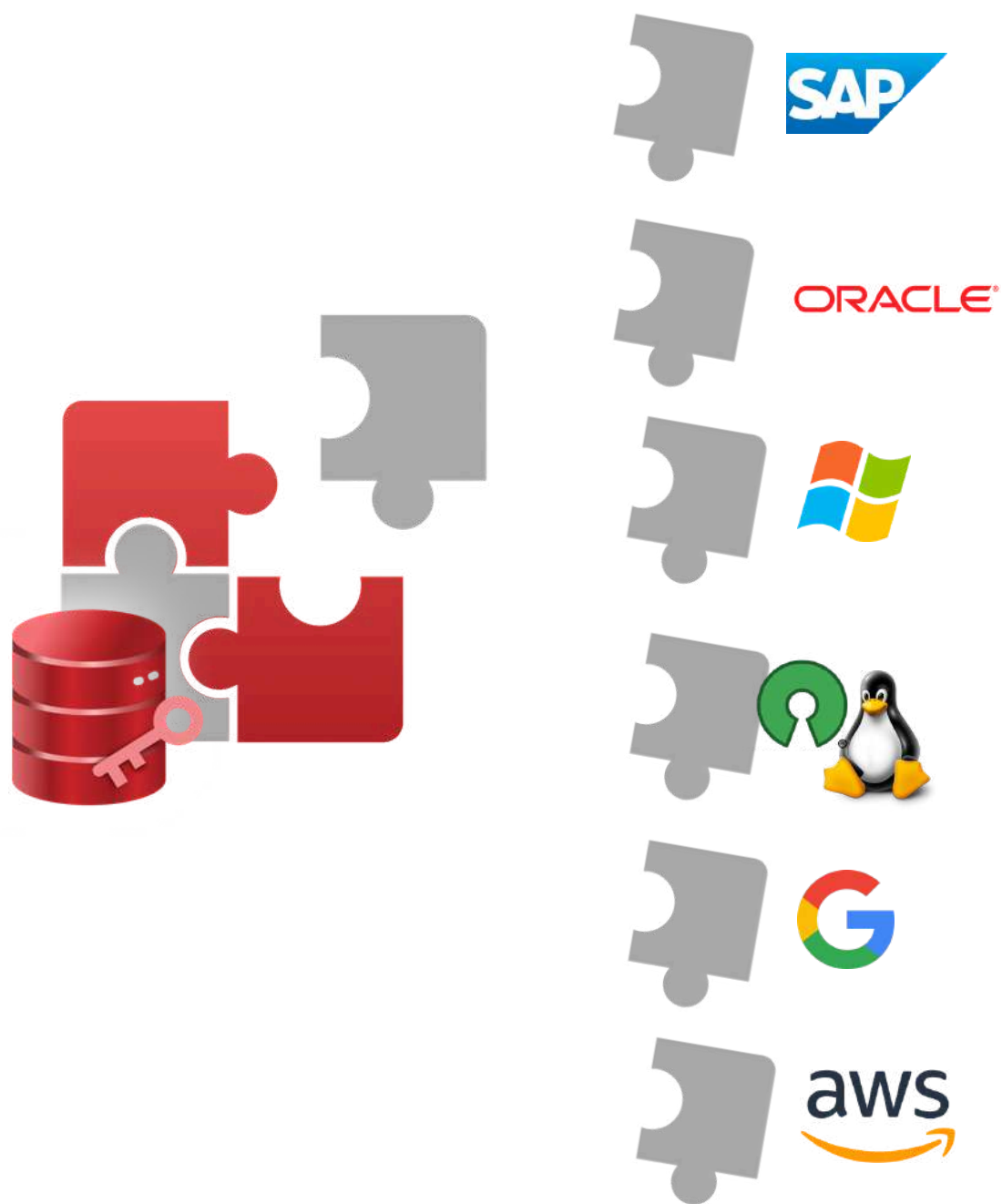
Cloud-native support for **hybrid and multi-cloud deployment**.



Data Access Enforcer



DAE line of products supports the following applications:



A graphic showing several interlocking puzzle pieces. Some pieces are red and feature database logos: SAP, Oracle, Microsoft Windows, Linux (Tux penguin), Google, and AWS. Other pieces are grey.

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

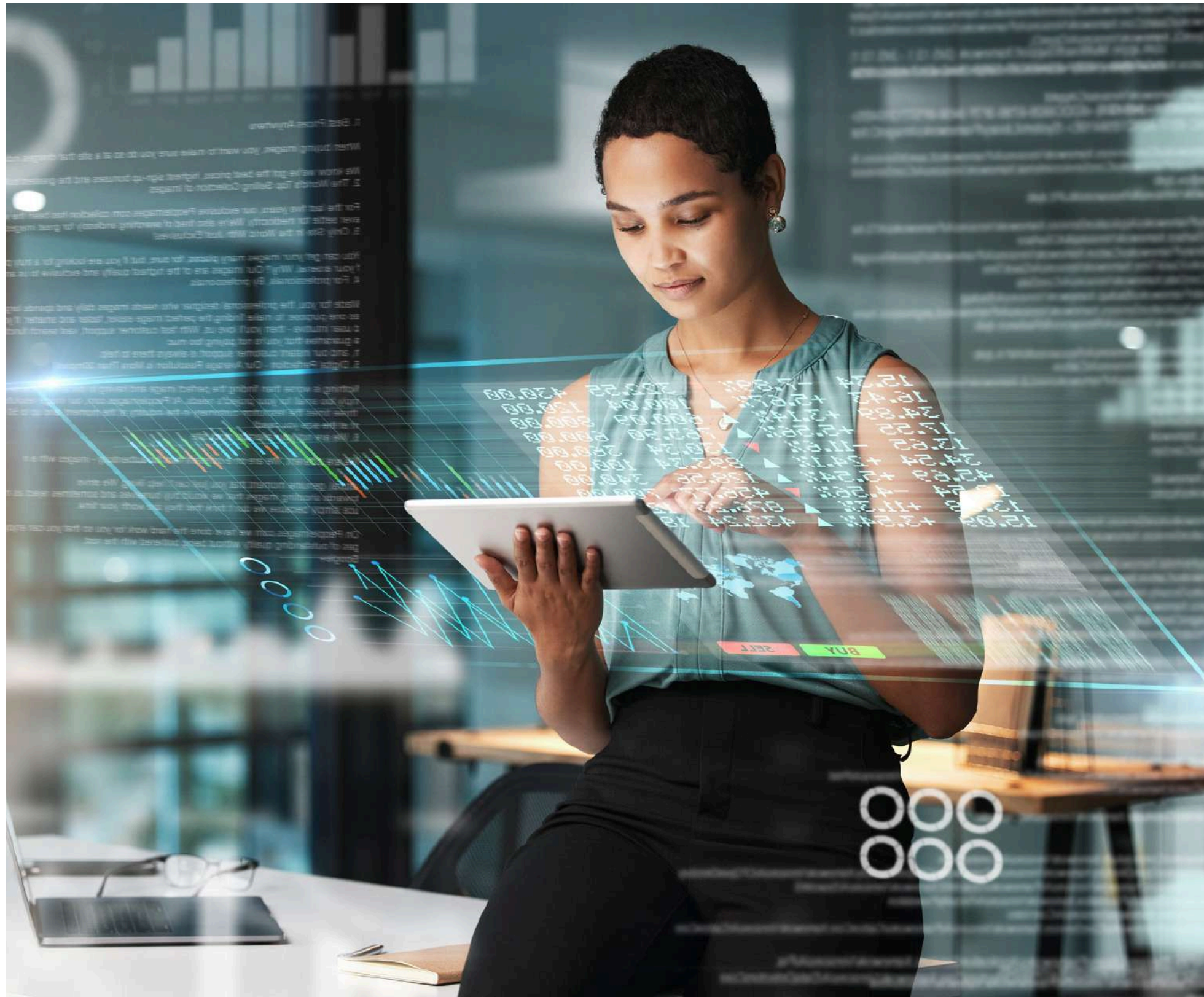
Automate data protection and ensure need-to-know data access from anywhere through policy while simplifying change management without coding.



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.





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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>.

