Dynamic Authorization Service™ for Data & Data Lakes

plainID

Authorize digital interactions, at scale, extend identity security enterprise-wide

Data Security with Authorization

Rapid digital transformation has fueled an explosion of data for many organizations. This growth brings with it a significant security challenge as organizations build initiatives to address security gaps across data and its access control.

While data collaboration is critical for insight and analytics, vulnerable access points pose a data breach risk and can be costly for organizations with sensitive data that's critical for their business.

Consistently and continuously protecting resources across different databases and repositories, whether on-premises or in the cloud, is a challenge that data and security teams struggle with. The challenge is exacerbated when data resources are distributed across diverse databases and do not have native nor extensive authorization capabilities.

Centralized Management for an Improved Security Posture

PlainID provides centralized management with distributed enforcement for data access using **PlainID Authorizers™** – out-of-the-box integrations that simplify authorization for industry leading enterprise tools.

Authorizers are available for applications, APIs, microservices, and data tools. PlainID provides access decisioning and policy management – down to to the service mesh and data services layers through the use of a data plugin, sidecar, or SDK for specific technologies. Allowing it to ensure data protection no matter if you access data directly, through a commercial off the shelf data lake or homegrown service meshes.

Full visibility and control of access rules throughout the system enable enterprises to safeguard PII and confidential data more effectively. PlainID equips businesses with the adaptability and speed they need to handle the intricacies of data privacy and meet industry standards at both local and global levels.

Business Impact

✓ **Streamline Access to Data**
Centralize and automate policy management to reduce manual efforts required to enforce policies across BI tools and the data ecosystem.

✓ **Secure Data Collaboration**
Protect data and its access distributed across the enterprise and shared between repositories and data lake technologies.

✓ **Gain Visibility & Monitoring**
Track access policies from a single dashboard that provides reporting and alerting to inform administrators on policy changes.

✓ **Adapt to Evolving Requirements**
Facilitate quick updates and adjustments to keep up with evolving business needs, security threats, or regulatory changes for compliance.

Key Features

- Business-driven Policy Design for APIs
- Filter & Mask Data through Query Modification
- Dynamic, Coarse & Fine-grained Authorization
- Operational & Analytical Data Access Control
- Business Intelligence (BI) Data Access Control
- Low-code/No-Code with Data & SQL SDKs

Flexible Approaches to Securing Access to Data with PlainID Authorizers
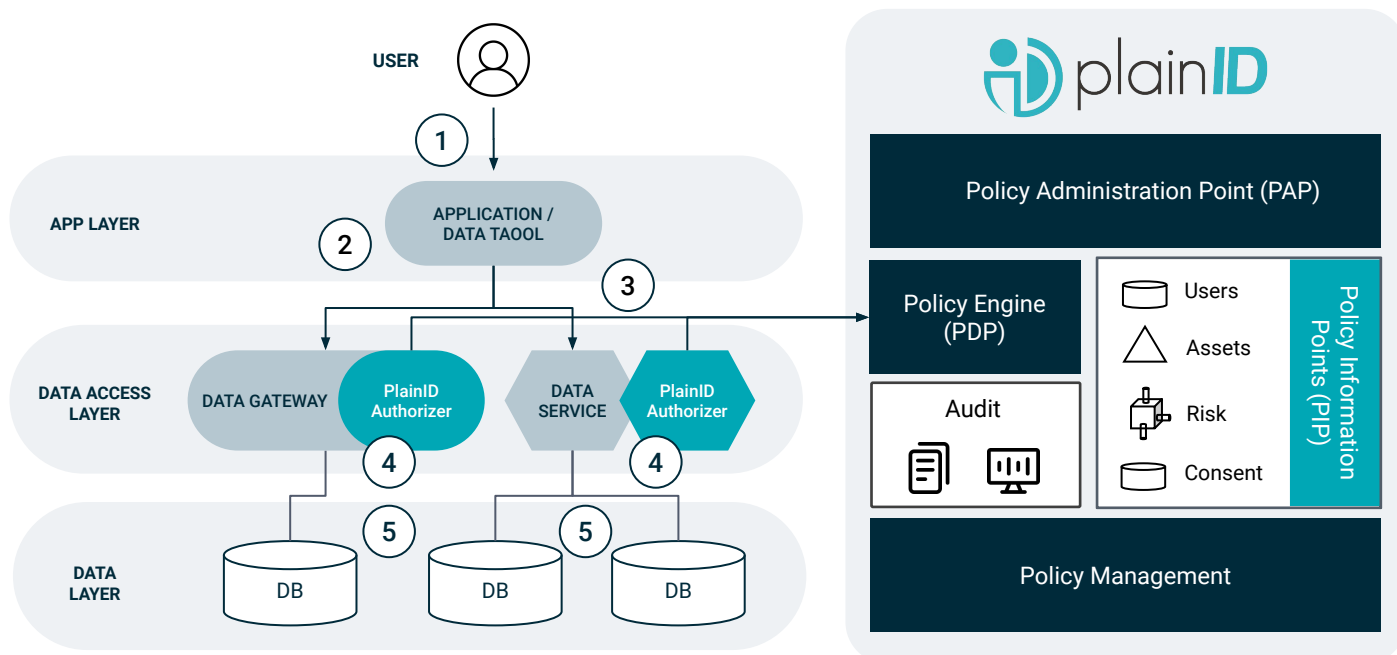
1. The user logs into the application or data tool
2. The application makes an access request to the data through a PlainID Authorizer for a Data Gateway or Data Service (e.g. sidecar or plugin, respectively – SDKs are also available to support other data technologies)
3. The PlainID Authorizer queries PlainID's PDP for a dynamically calculated Authorization resolution
4. The response is translated to a data filtering clause for query modification
5. The original query is modified based on the Authorization resolution through data filtering or masking of the columns/rows/cells

Future-proof Your Enterprise

The **PlainID Integration Hub** is designed to address the complex challenges of enterprise access control. By offering out-of-the-box Authorizers™ and Integrations, it allows for a standardized approach across varied and distributed infrastructures – unifying disparate access controls under one platform.
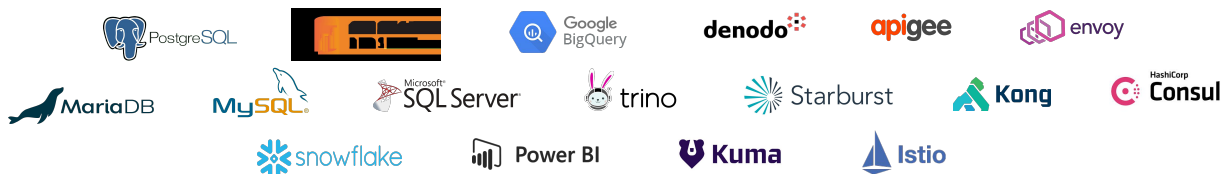
Visit PlainID.com/integration-hub for more information

ABOUT PLAINID

PlainID is the world's leading provider of enterprise Authorization, helping enterprises address the complex challenges of Identity Security. The PlainID Platform allows you to discover, manage, and authorize access control policies for enterprise applications and data. Our solution is architected to protect against identity-centric security threats powered by Policy-Based Access Control (PBAC). Visit PlainID.com for more information.