PlainID The Identity Security Company

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The PlainID Mission

PlainID is the Identity Security Company

We help enterprises address the complex challenges of Identity Security by enabling 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).

Importance of Authorization

MODERNIZE THE BUSINESS

PlainID improves business agility by bringing next-gen authorization to new digital services running in distributed environments and enhancing user journeys.

REDUCE RISK & TIGHTEN SECURITY

PlainID provides security controls and visibility through a dynamic, fine-grained solution that addresses all deployment patterns: apps, APIs, microservices and data.

SECURE ACCESS TO DATA

PlainID secures data collaboration by bridging the gap between identities and data, and addresses data privacy with fine-grained authorization.

↓30%

operational cost reduction by migrating from homegrown systems to PBAC

70%

of breaches result from giving over-privileged access to third parties

$15 Million

average cost of non-compliance, which includes fines, disruption, and revenue loss

The PlainID solution by the numbers

PlainID offers the first SaaS authorization platform built for scale & performance

100+

Customers Worldwide

Protecting access to data for workforce, customer, and third party identities

25+

Authorizers™

Ready-to-use controls for specific technologies & enforcement points

5

Data Centers

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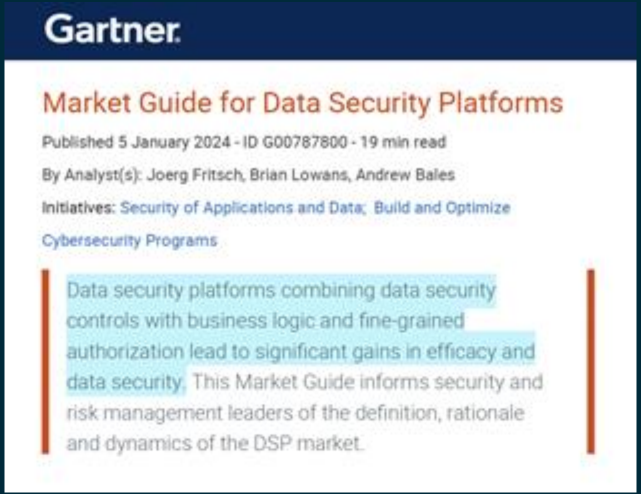
Market Leadership



Gartner

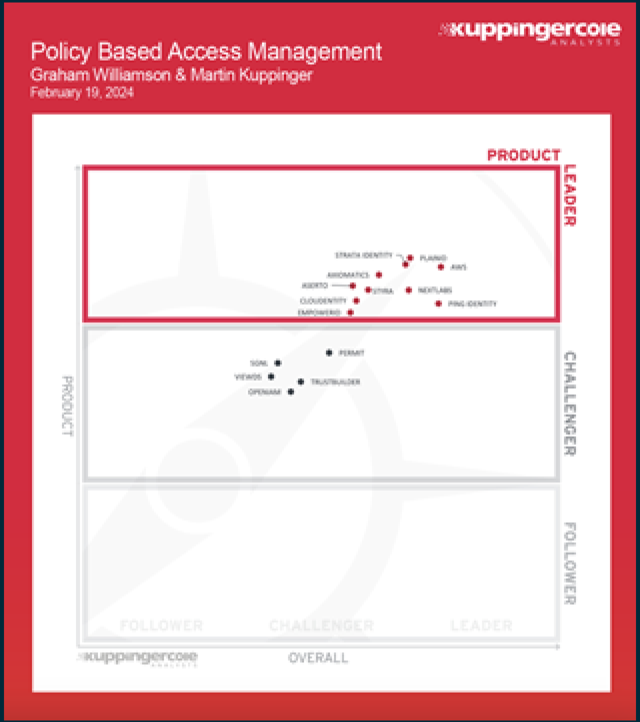
Market Guide for Data Security Platforms

Published 5 January 2024 - ID G00787800 - 19 min read

By Analyst(s): Joerg Fritsch, Brian Lowans, Andrew Bales

Initiatives: Security of Applications and Data; Build and Optimize Cybersecurity Programs

> Data security platforms combining data security controls with business logic and fine-grained authorization lead to significant gains in efficacy and data security. This Market Guide informs security and risk management leaders of the definition, rationale and dynamics of the DSP market.



Policy Based Access Management

Graham Williamson & Martin Kuppinger

February 19, 2024

OVERALL LEADER
POLICY BASED ACCESS MANAGEMENT
LEADERSHIP COMPASS 2024
KUPPINGERCOLE ANALYSTS AG, FEB 2024

PRODUCT LEADER
POLICY BASED ACCESS MANAGEMENT
LEADERSHIP COMPASS 2024
KUPPINGERCOLE ANALYSTS AG, FEB 2024

INNOVATION LEADER
POLICY BASED ACCESS MANAGEMENT
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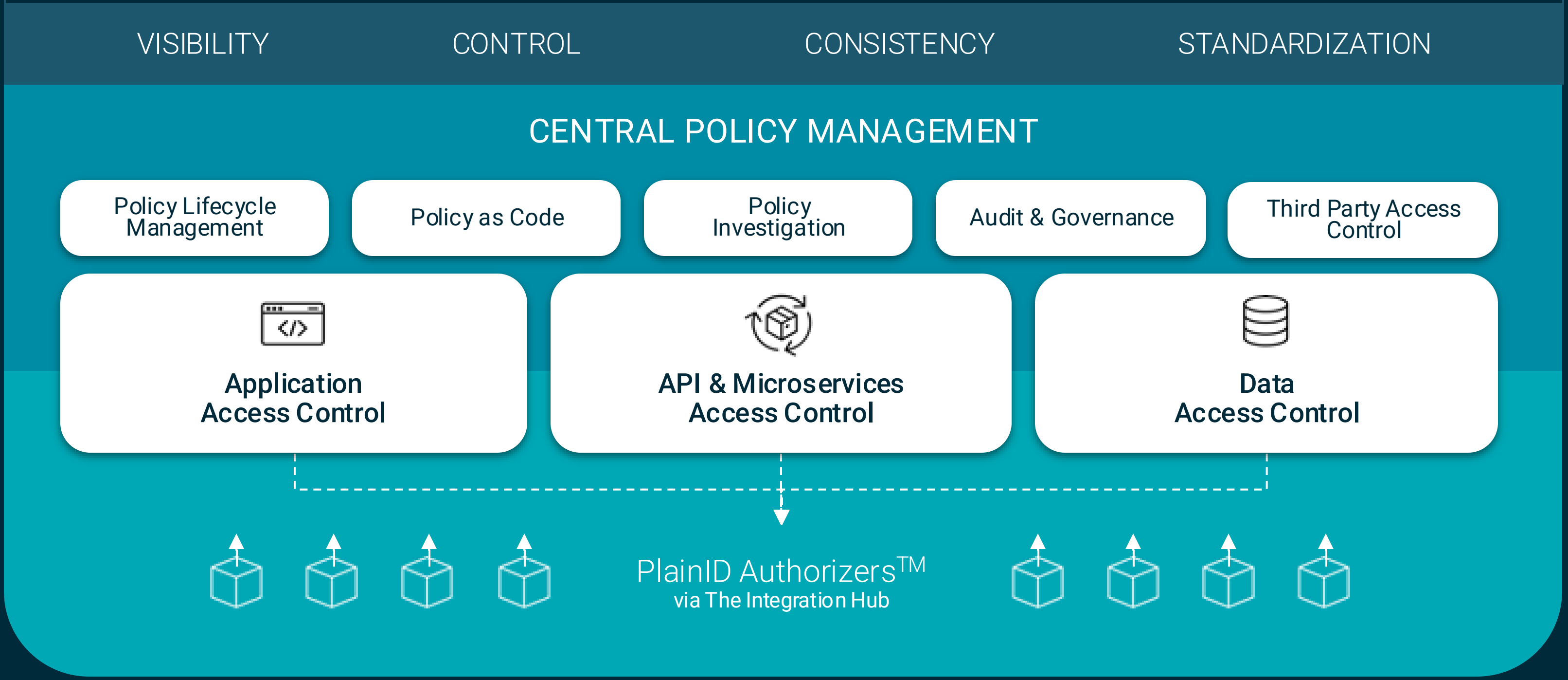
The PlainID Platform



VISIBILITY

CONTROL

CONSISTENCY

STANDARDIZATION

CENTRAL POLICY MANAGEMENT

Policy Lifecycle Management

Policy as Code

Policy Investigation

Audit & Governance

Third Party Access Control

Application Access Control

API & Microservices Access Control

Data Access Control

PlainID Authorizers^{TM}
via The Integration Hub

Key Capabilities

Extensive Coverage for Enterprise Technologies

- Custom Applications
- APIs and Microservices
- Data Solutions & Platforms
- SaaS Applications
- SASE

Simple UI for Advanced Policy Design

- Unified user experience of PBAC
- Ease of use for all users: administrators, business owners, security managers, and developers
- Policy as Code
- Policy "building blocks" for efficiency and consistency

Flexible Authorization Data Models

- Coarse-grained authorization
- Fine-grained authorization

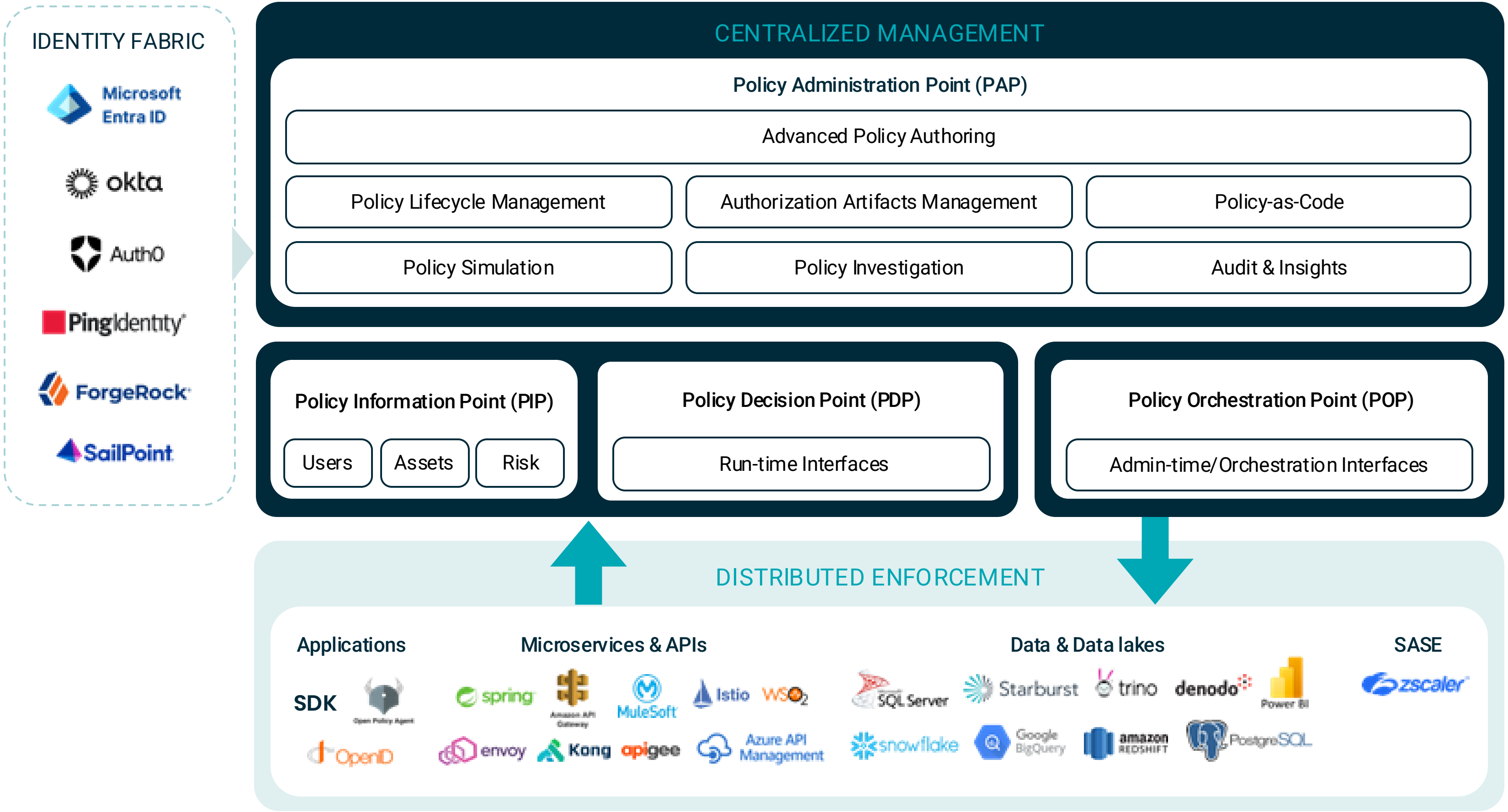
Investigation & Analytics

- Deep insight into policies
- Investigate connections between identities, assets, and policies
- Integrations with SIEM and logging tools

Governance & Lifecycle Management for Policies

- Ongoing monitoring of policy changes
- Standardized policy lifecycle management
- Policy as Code

Product Components



IDENTITY FABRIC

CENTRALIZED MANAGEMENT

Policy Administration Point (PAP)

Advanced Policy Authoring

Policy Lifecycle Management

Authorization Artifacts Management

Policy-as-Code

Policy Simulation

Policy Investigation

Audit & Insights

Policy Information Point (PIP)

Users

Assets

Risk

Policy Decision Point (PDP)

Run-time Interfaces

Policy Orchestration Point (POP)

Admin-time/Orchestration Interfaces

DISTRIBUTED ENFORCEMENT

Applications

Microservices & APIs

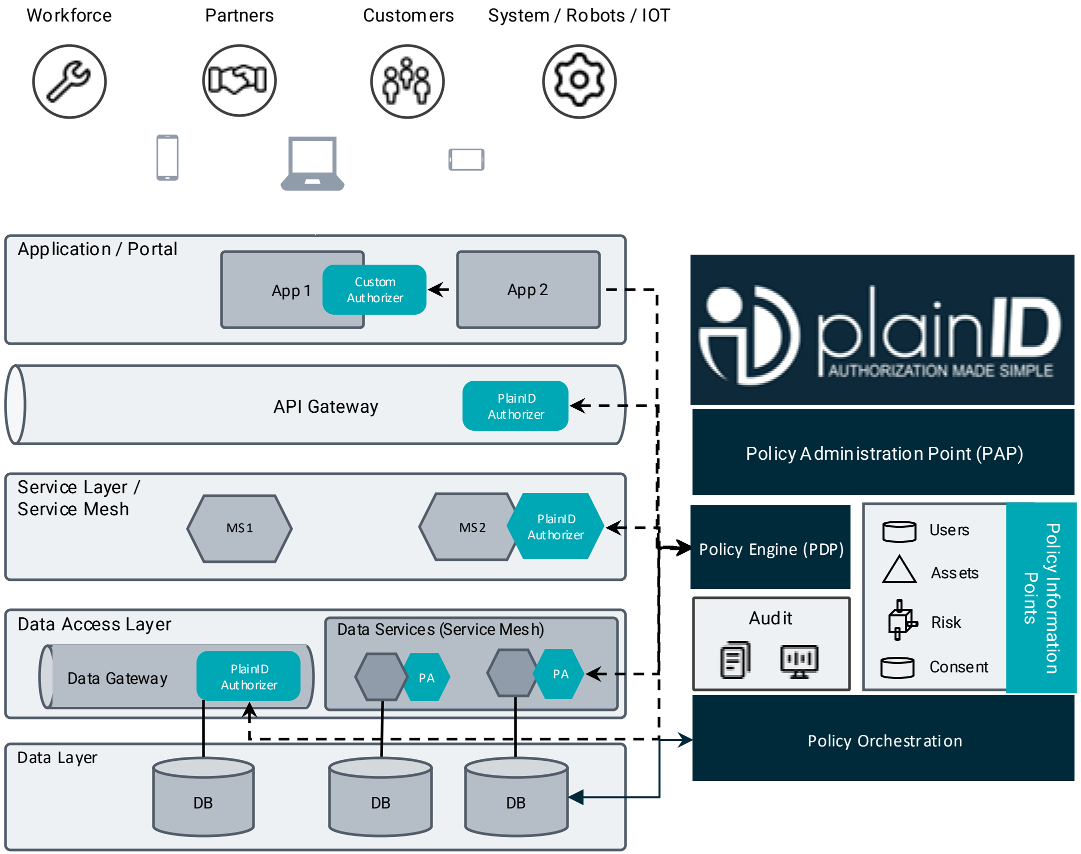
Data & Data lakes

SASE

SDK

Authorization in the Overall Architecture

Identity-first Security requires
Centralized Management of Policy & Distributed Enforcement



Customer Case Study

A leading global professional services company that helps the world's leading businesses, governments and other organizations build their digital core, optimize their operations, accelerate revenue growth and enhance citizen services, creating tangible value at speed and scale.

CHALLENGE:

- The Global Service Integrator's employees interact with sensitive data for clients. Global Service Integrator's goal was to find a solution that centrally managed access to data that resides in PowerBI, PostgreSQL, and Google BigQuery.
- Data is being replicated to multiple different tools that offer no form of consistent authorization or auditibility of controls.
  - Some tools offered fine-grained controls, some did not.
- Needed centralized management of access control for data

SOLUTION / BENEFITS:

With PlainID, The Global Service Integrator:

- Gained consistency, auditability and visibility of teams/clients of Global Service Integrator and their access to data sets
- Currently runs 250,000 queries per hour through Google BigQuery with decisions and enforcement being provided by PlainID

Google Big Query Power BI PostgreSQL

Our **Vendor Criteria** for **Policy Based Access Control**

PlainID has more breadth and offers a one-stop solution for most application/data PBAC requirements

1. **Data manipulating and filtering**
   Ability in data masking using OOB built-in functionality. Also, can support Tokenization through custom solution

2. **Integrates with BigQuery for native authorization enforcement**
   Authorization enforcement at the data storage/compute level guarantees highest security and consistency

3. **PowerBI support**
   Supports Row and Object level filtering in PowerBI

4. **Admin, Dev Experience:**
   User-friendly platform and intuitive graphic user interface

Note: Detailed evaluation including **vendor maturity, use cases, sandbox experience and security assessments** include in the **Vendor assessment** of each the vendors (Plain ID, Ping, Okera and Axiomatics).

5. **Policy querying (answer open ended questions):**
   Ability in searching and retrieving information related to policies is supported

6. **Application and API Access Management (Secured assets):**
   Managing and controlling access to API's is fully supported

7. **SaaS Maturity:**
   How close is the vendor to offer full SaaS offering?

8. **DevOps and Auto testing:**
   Vendor solution must support modern DevOps practices and integrates with test automation tools

Policy Based Access Control (PBAC) **Patterns**

We found that PBAC can be implemented for below patterns

			Current	Future
1	**App Internal Fine-grained Authorization**	Data ⇄ Application	App connects to systems or collect and store user information code authorization logic	Authorization externalized and centrally managed
2	**App consuming data from Data Platform**	Data Platform → API → Application	Data authorization coded in consuming applications	User data authorization is centrally managed detached from consuming apps
3	**Reporting/BI tools consuming from Data Platform**	Data Platform → PowerBI / Qlik	A custom database and Active Directory groups are used to coordinate front-door and fine grain report access	PBAC provisions policies as DAX code to PowerBI reports enabling row and object level filtering
4	**Data Scientist (Data mining)**	Data Platform ⇄ Data Scientist	Access Managed via AD groups Heavy ETL work to limit access	Dynamic Dataset access management based on policies

Thank you

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