

Normalize your Data Governance

Centralized Data Access and
Privacy Control across the Cloud

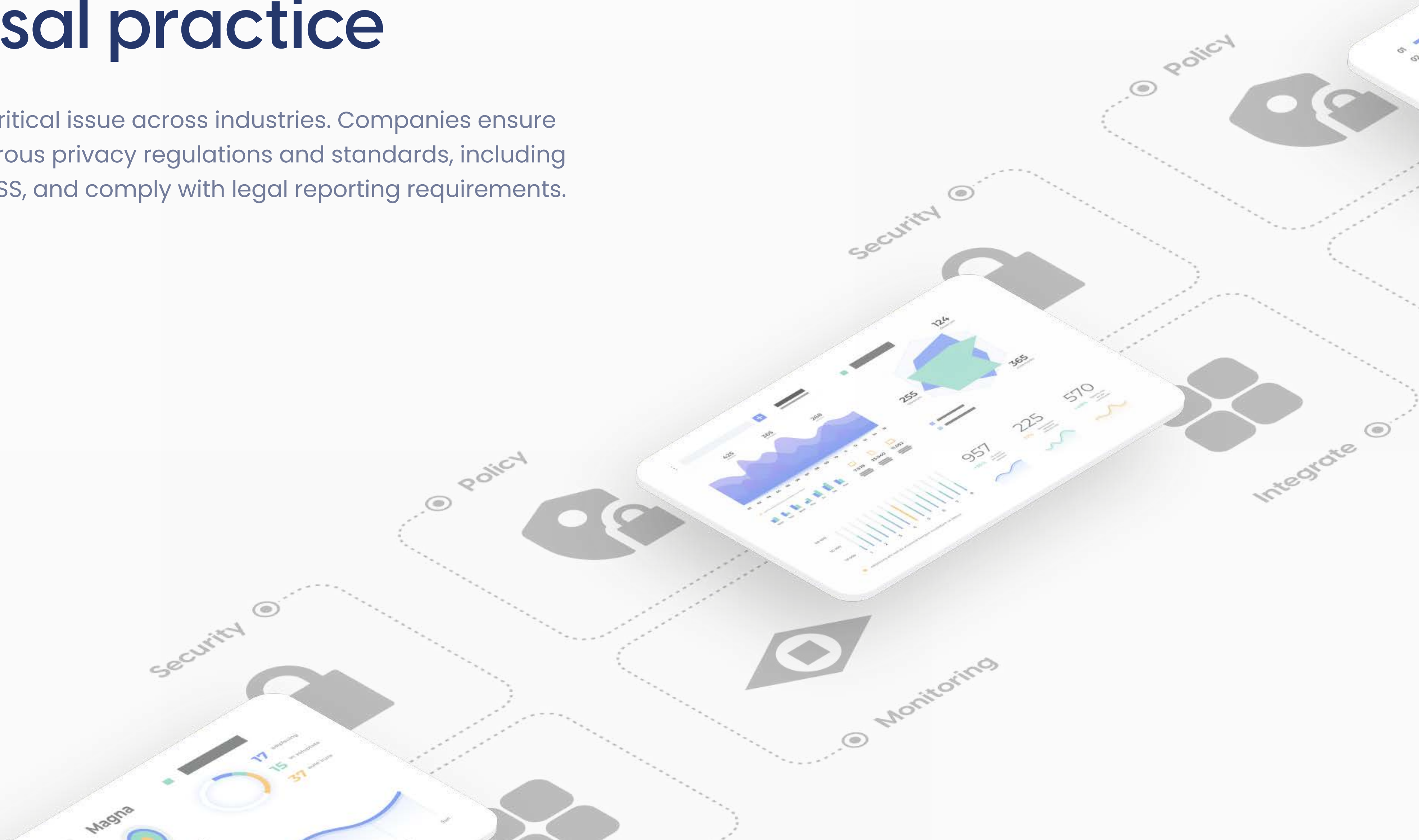


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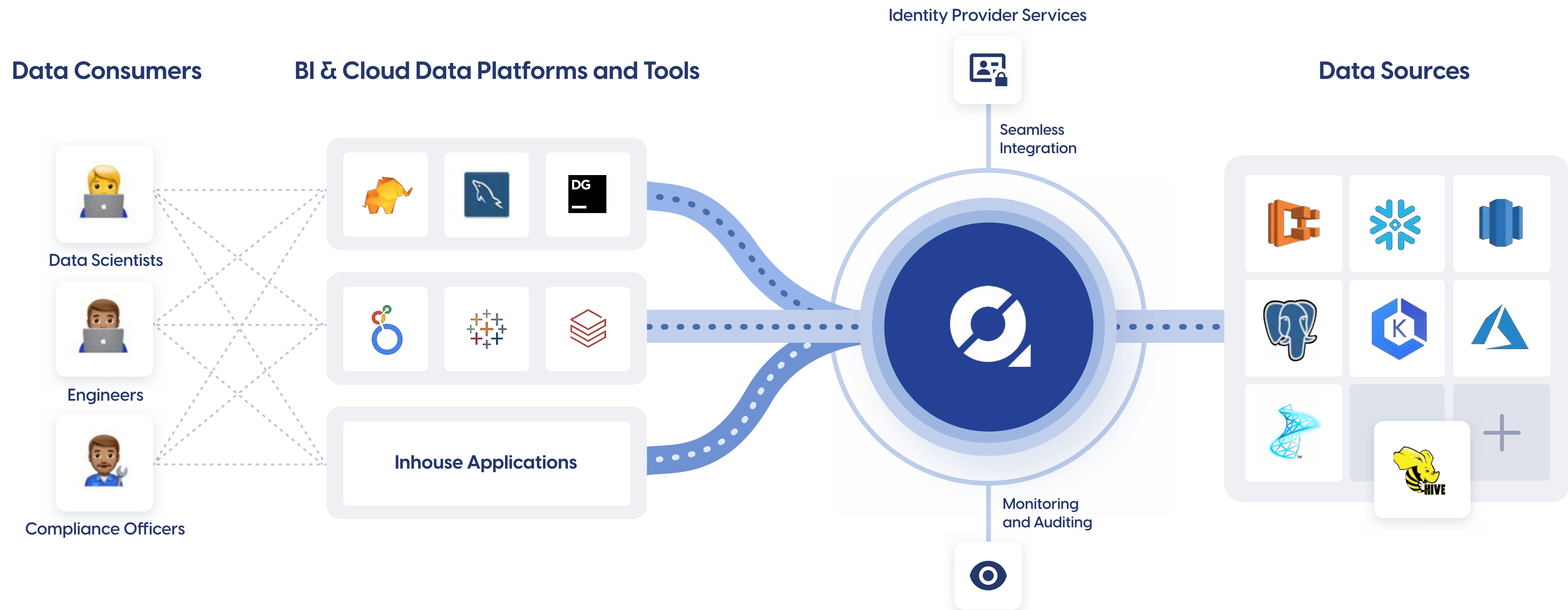
Data Governance is now a universal practice

Data governance is a critical issue across industries. Companies ensure compliance with numerous privacy regulations and standards, including GDPR, CCPA, and PCI-DSS, and comply with legal reporting requirements.



QueryPie makes data access easy

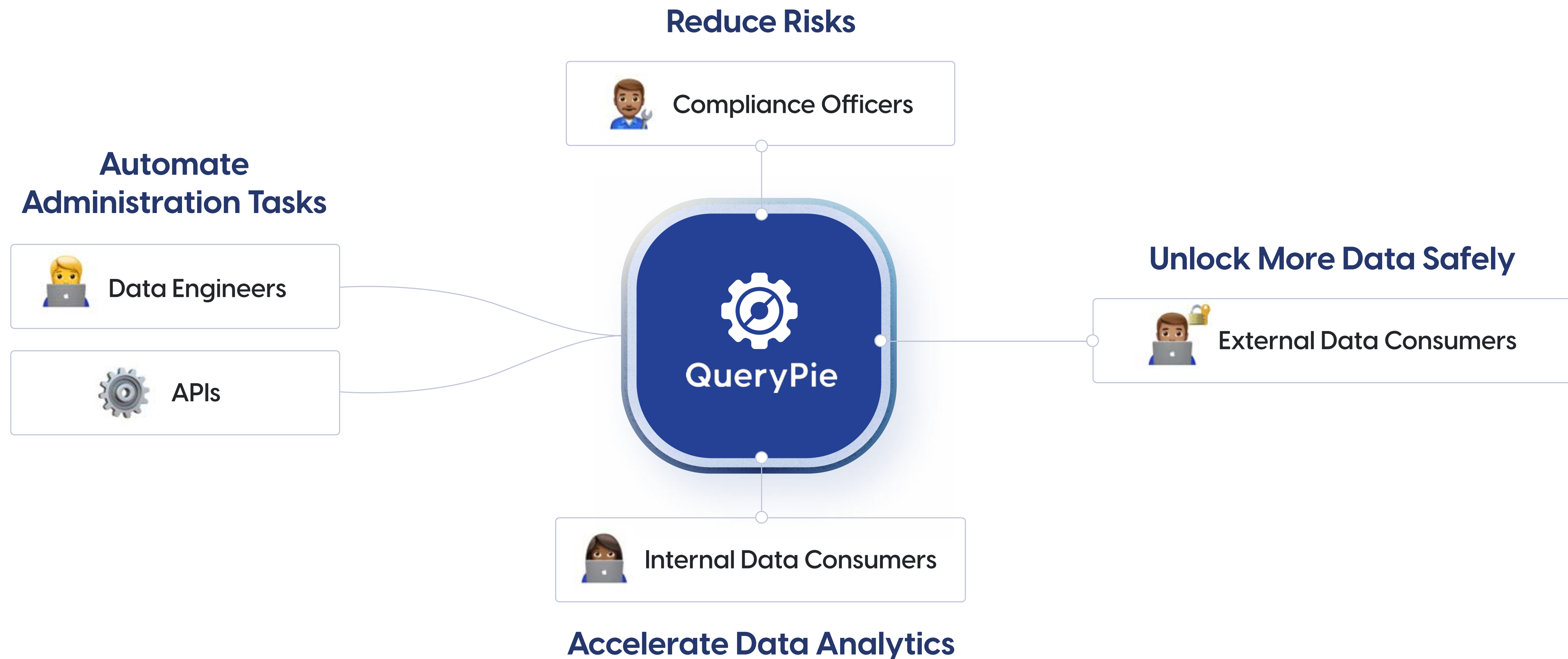
QueryPie is a platform for managing scattered data sources and security policies in one place. Put your company on the fast track to success without changing the existing data environment.



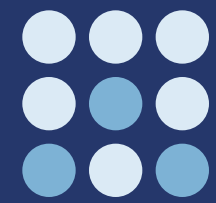
Secure Data Sources for Your Team

Data governance is the foundation of today's data-driven world.

Stay on top of data governance standards while empowering users with critical information.

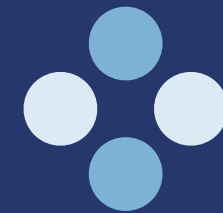


5 Key Features



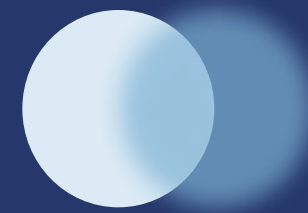
Multi-Cloud Sync

Automatically pull data from cloud providers such as AWS, GCP, and Azure via scheduling.



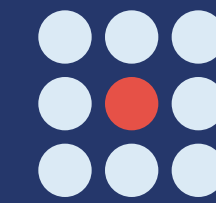
RBAC/ABAC

Easily create policies to restrict access based on network zones with user-specific attributes.



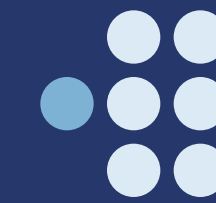
Dynamic Masking

Apply masking patterns to personal information in real-time without replicating or losing the original data.



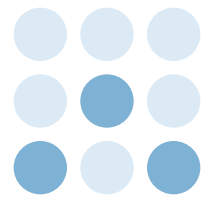
Auditing/Reporting

Monitor SQL executions and easily create a report for compliance regulations.



Data Approval Workflow

Align data approval workflows in one place with a built-in SQL editor and share data files with your team



Simplified Multi-Cloud Sync

Optimized for cloud environments such as AWS, Azure, and GCP, you can manage databases spread across multiple regions from one place in seconds.

Automate cloud synchronization through scheduling and see synchronization history for additions/changes/deletions.

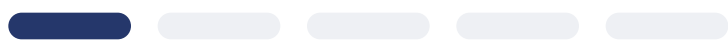
The screenshot displays the CHEQUER interface for managing cloud providers. The main page shows a table of existing providers:

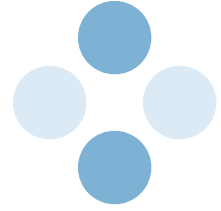
Name	Cloud Provider	Region	Created At	Updated At	Status
Seoul RDS	AWS	Asia Pacific (Osaka-Local)	06-28-2021 17:10:23	06-28-2021 17:10:23	Active
GCP	GCP	-	04-30-		
Azure	Azure	-	03-25-		

A 'Create Provider' modal dialog is open, showing the following fields and options:

- Name:** Enter a provider name
- Cloud Provider:** Amazon Web Services
- Region:** Asia Pacific (Seoul)
- Credential:** Instance Profile (selected), Access Key with AWS resources.
- Replication Frequency:** Manual (unselected), Scheduling (selected)
- Use a cron expression:** 0****? (with buttons for Set Every Minute, Set Every Hour, Set Every Day)

Buttons for 'Cancel' and 'Save' are visible at the bottom right of the modal.





Scalable Attribute-based Access Control

Invite users to a workspace and grant permissions through your company's identity providers such as Okta, Azure AD, and LDAP.

Users can have access to specific data sources by sending requests.

* RBAC: Role-based Access Control

* ABAC: Attribute-based Access Control

The screenshot displays the CHEQUER application interface. The main window shows the 'Privilege Type' management page with a table of existing roles and a 'Create Privilege Type' modal dialog open in the foreground.

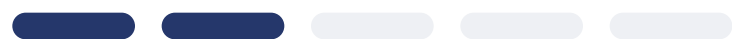
Privilege Type Table:

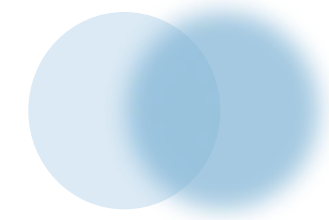
Name	Type	Import	Export	Clipboard	Created At	Updated At	Status
Read-Only Role	Select with 1 other(s)	Denied	Denied	Denied	06-28-2021 17:10:23	06-28-2021 17:10:23	Active
Read/Write Role	All	Granted	Granted	Granted			

Create Privilege Type Modal:

- Name:** Enter a privilege type name
- Privilege Types:** Check All
 - DML:** Select, Delete, Insert, Update, Merge Into
 - DCL:** Grant, Revoke, Commit, Rollback
 - DDL:** Drop, Alter, Create, Rename, Truncate
- Others:** Begin, Execute, etc.
- Function:** Can Import, Can Export, Can Copy Clipboard
- Status:** Active
- Description:** 500 Characters Maximum

Buttons: Cancel, Save





Dynamic Masking Policy

Provide real-time masking patterns applicable to protect sensitive information such as PII, PHI and to take de-identification measures.

Administrators can apply policies at column level to share data without privacy disclosure threats.

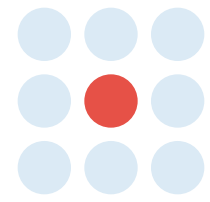
The screenshot shows the 'Masking Pattern' configuration page in the CHEQUER application. The main area displays a table of existing patterns:

Pattern Name	Created at	Updated at	Status
regno 1	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
regno 1_w	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
regno 1_nd	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
regno 2	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
regno 2_w	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
regno 2_nd	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
phone	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
phone_w	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
phone_nd	2020-03-10 13:04:20	2020-03-10 13:04:20	Active
email	2020-03-10 13:04:20	2020-03-10 13:04:20	Active

The right-hand pane shows the 'Masking Pattern Details' for the 'phone' pattern:

- Pattern Name:** phone
- Status:** Active
- Created at:** 2020-03-10 13:04:20
- Updated at:** 2020-03-10 13:04:20
- Detecting Pattern:** `{?<=*[!*\n(Pd)d]}(?(?-[?0]82)(?2)[3-6][1-5])(?82)?7d(2)?p(Pd)d(3,4)?p(Pd)d(4)}(?(0)82)?0?P(0)[2-9]?d(3)?p(Pd)d(4)}`
- Masking Pattern:** `*{?[d+D]{d(4)}\d{d}\d{d(3)}\Dd+$`
- Raw Data:** 010-1234-5678 010-1234-5678 010-1234-5678 010-1234
- Detected Data:** 010-1234-5678 010-1234-5678 010-1234-5678 010-1234
- Preview Table:**

Match #	Detected Data	Masked Data
Match 1	010-1234-5678	010-*****-5678
Match 2	010-1234-5678	010-*****-5678
Match 3	010-1234-5678	010-*****-5678



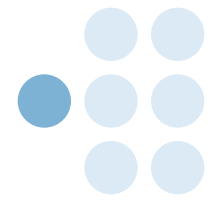
Automated Auditing & Reporting

See the details of executed queries at a glance. Detecting threats in advance or discovering user behaviors can be done by checking permission logs.

All history logs can be exported as a file for easier reporting.

The screenshot shows the CHEQUER SQL Audit interface. The left sidebar contains navigation options: Company Management, General, Users, Groups, Security, Connection Setting, Cloud Provider, Manage Connections, SSL Certification, SSH Configuration, DB Access Control, Privilege Type, Access Control, Policies, Network Zone, Sensitive Data, Data Access, Data Masking, Alerts, Audit & Log, SQL Audit (selected), Authentication History, Role History, DML Snapshot, Account Lock History, and User Access History. The main content area displays the SQL Audit table with columns: Result, Name, Action Type, Privilege Type, Connection Name, Type, Client IP, DB Host, and DB Name. The table contains 20 rows of data, all with a 'Success' result and 'ALL' privilege type. The date range is set to 2021-06-01 to 2021-06-01. The bottom right corner shows 'Asia/Seoul QueryPie 9.0.0'.

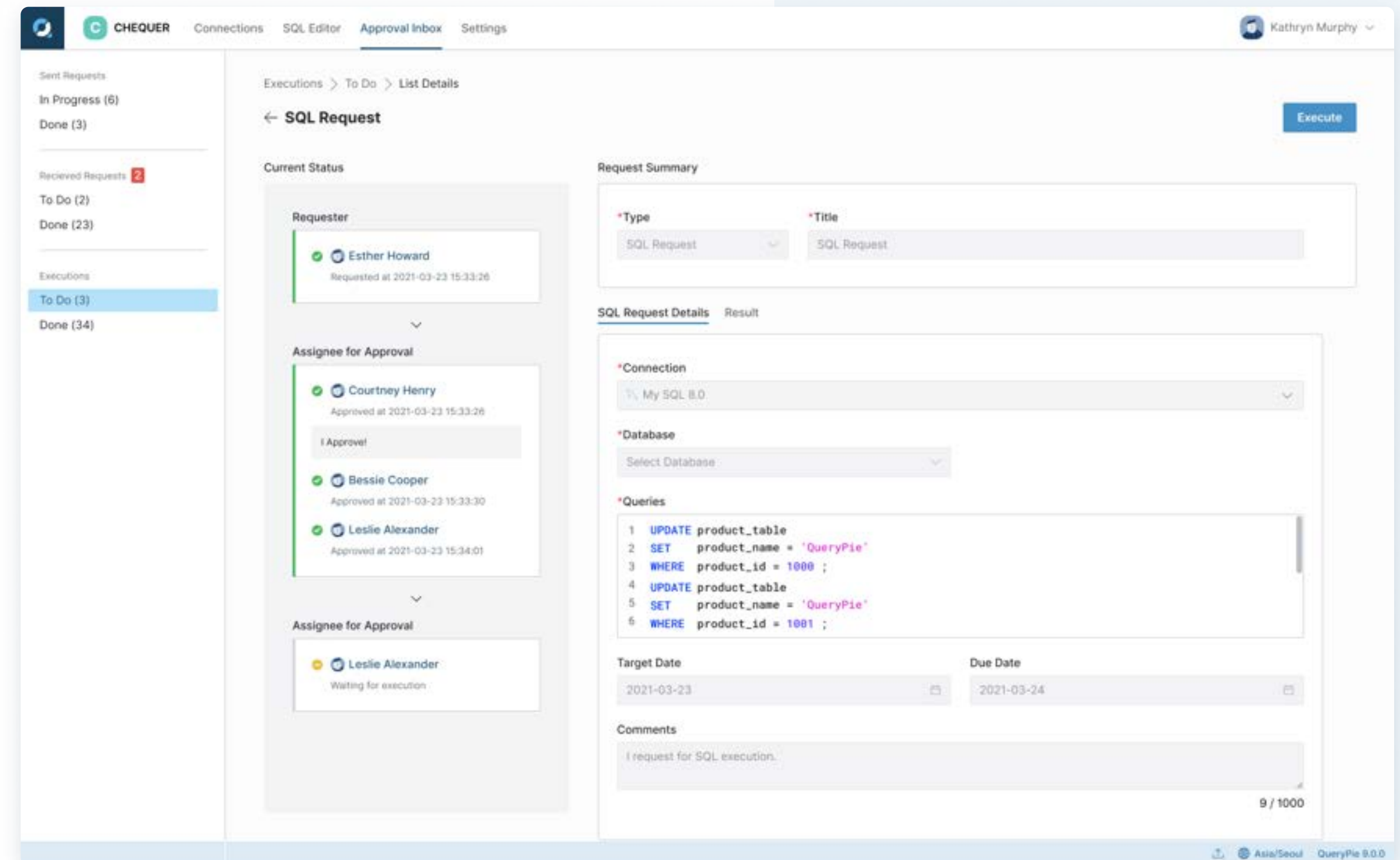
Result	Name	Action Type	Privilege Type	Connection Name	Type	Client IP	DB Host	DB Name
Success	Courtney	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Mitchell	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Eduardo	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Dianne	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Arlene	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Arthur	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Ann	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Arlene	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Shane	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Darlene	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Colleen	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Leslie	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Gladys	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow
Success	Darrell	SQL Execution	ALL	chequer-alpha-db	MySQL	120.0.1.1:12345	chequer-alpha-db.ci0...	airflow



Secured Data Collaboration

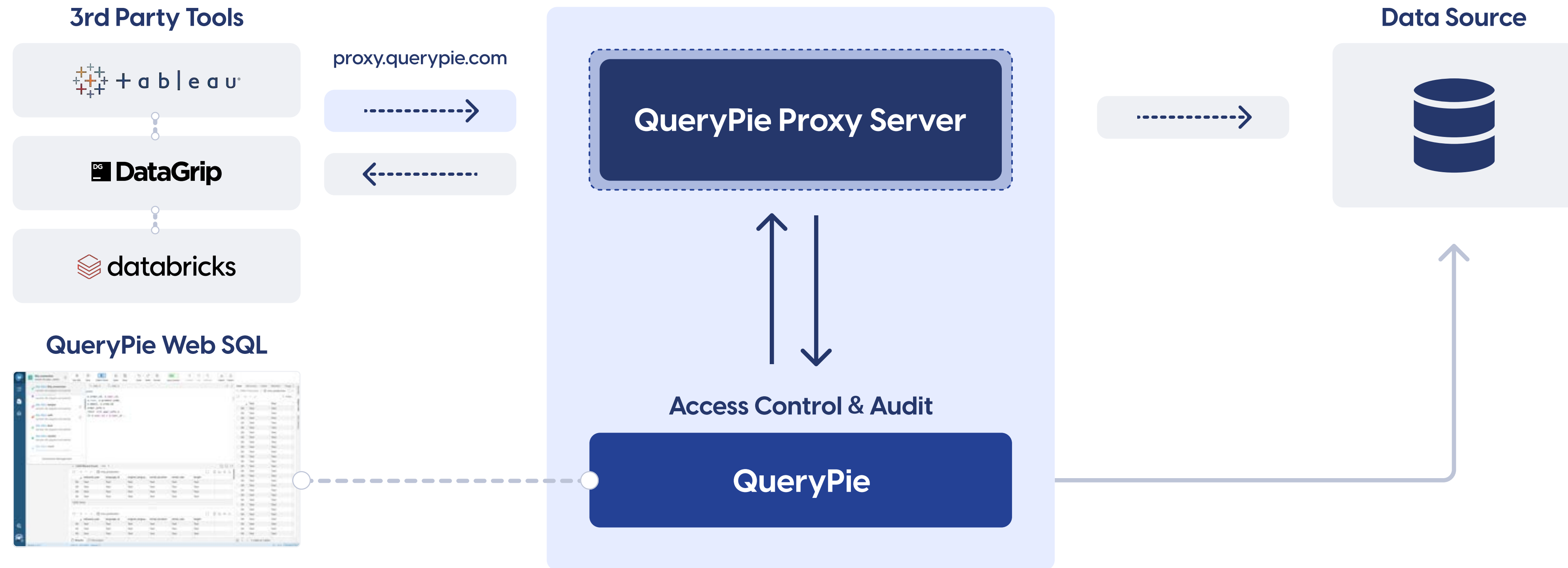
For users without permissions to alter sensitive data, data change requests can be sent in the approval workflow system.

Users can assign approvers and executors to request a data change, see the flow of requests, approvals, and execution at a glance, and collaborate easily with notifications or comments.



Agentless, OS Independent Platform

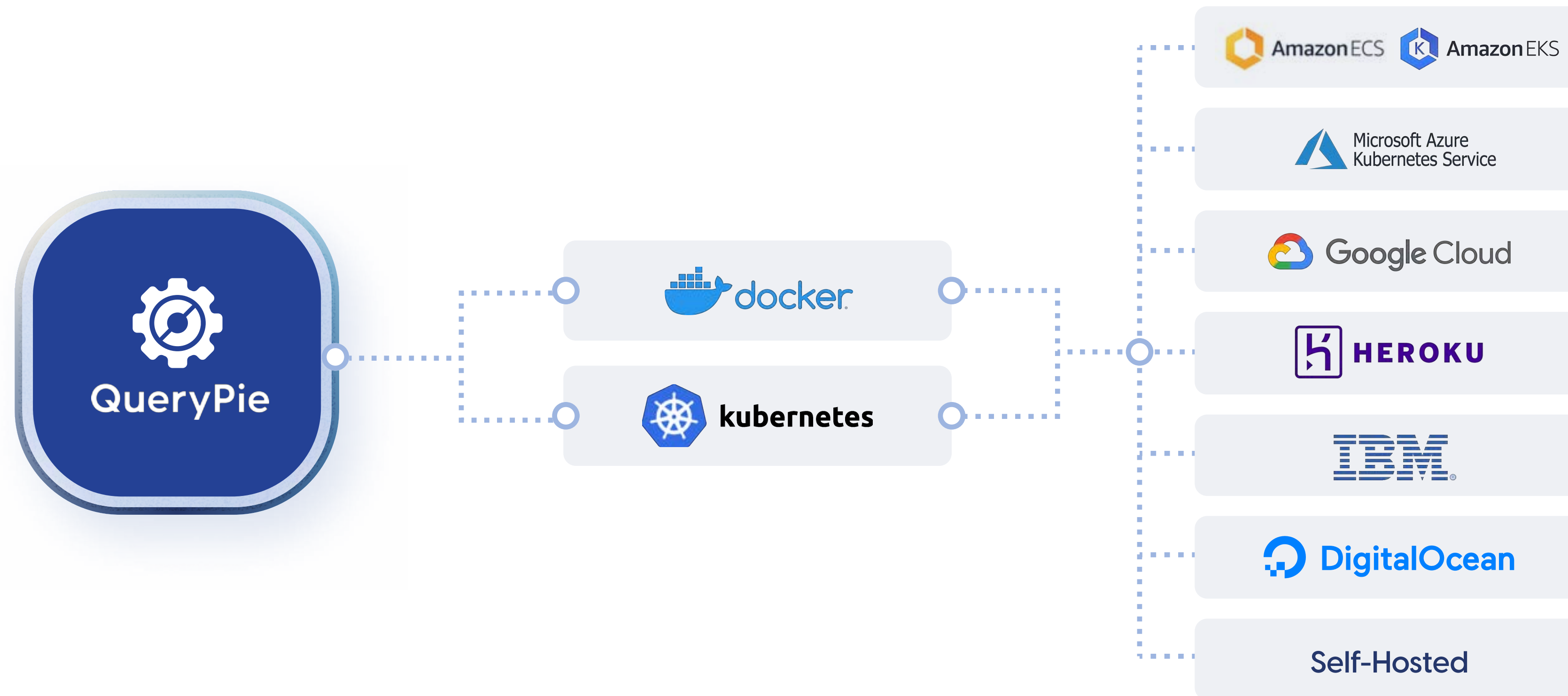
QueryPie integrates seamlessly into existing data environments. Users can access data sources via QueryPie's native SQL editor or any third-party analytics tools without changing the existing data workflows.



Install Anywhere with Modern Cloud Technologies

QueryPie is architected to run anywhere using modern cloud technologies.

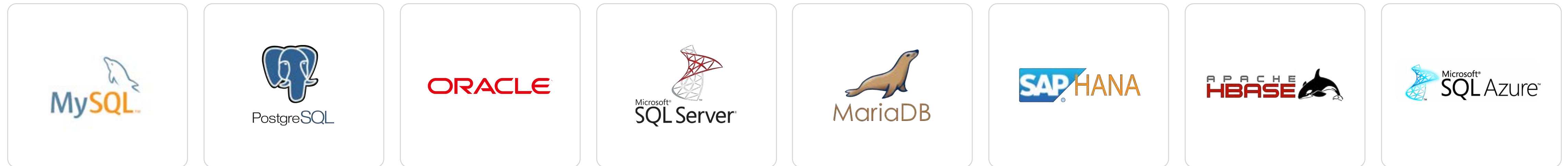
Cloud deployments on platforms such as AWS, GCP, and Azure are supported using docker and kubernetes.



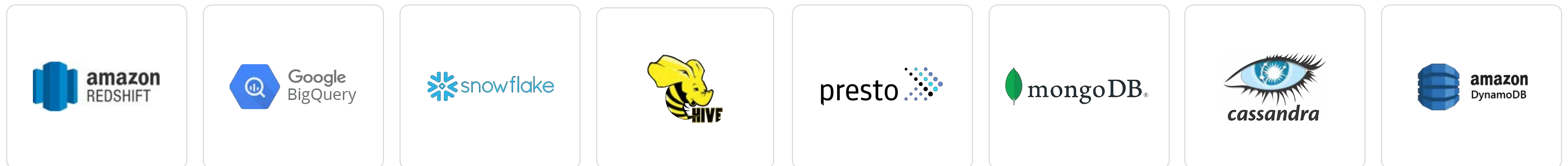
Data Source Integrations

QueryPie supports more than 50 built-in integrations including RDBMS, Data Warehouse, and NoSQL.

DBMS



Data Warehouse



NoSQL & Query Engine

Featured Customers

From startups to enterprises, QueryPie helps data teams build secure data environments. Leaders in the industry embrace data governance while taking advantage of existing data infrastructures.

yanolja

kakaopay

GROUND X

HYPERCONNECT

kakaoenterprise

CJ OLIVENETWORKS

karrot

HEALING PAPER

flex



Ian

Head of Database Engineering, Yanolja

“We needed a data access governance solution that reduces repetitive approvals and improves privacy. Even within our existing data environments, managing data assets has become significantly easier. Our data productivity has doubled.”



Albert

DevOps Manager, HyperConnect

“QueryPie protects our data without requiring us to install agents on endpoints, allowing us to upgrade and maintain our system efficiently. Now our data team can quickly connect to the data and analyze it more securely.”

Use Case 1.



Yanolja is the fastest-growing No.1 OTA and the only 'Unicorn' among travel-related companies in South Korea. Yanolja responds to data security concerns such as database growth and access rights management while expanding its services with its Super App.

Employee

800 +

DB Environment

AWS, MySQL,
PostgreSQL, Oracle

Compliance to be followed

ISMS, PCI-DSS, PG

Challenges

1. Distributed Resource Issues

Data sources are distributed across teams, projects and subsidiary companies

2. Security Issues

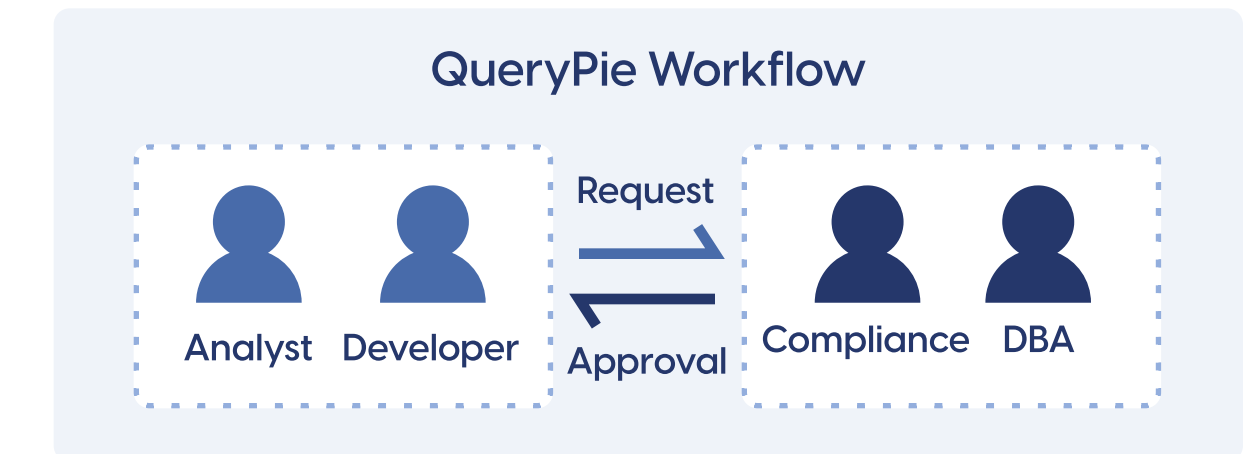
Hard to track the data ownership, data access, and usage

3. Privacy Issues

Growing amount of personal information and compliances

QueryPie's Solution

Point 1. Improvement of data workflow



Cut down on repetitive approvals and improve privacy policies. Manage all our data assets in one place

Point 2. Centralization of privacy policies



Integrate external APIs to enhance database access control and audit functions

Use Case 2.

kakaoenterprise

One of Korea's largest cloud providers, Kakao Enterprise, has seen exponential growth in data and the number of users requesting access to it.

B2B Service

Kakaowork,
Kakao i Cloud

DB Environment

AWS, MySQL,
Kubernetes

Compliance to be followed

ISMS, CSAP

Challenges

1. Certification Issues

Need to follow a Cloud Security Assurance Program (CSAP) and Information Security Management System (ISMS)

2. Privacy Issues

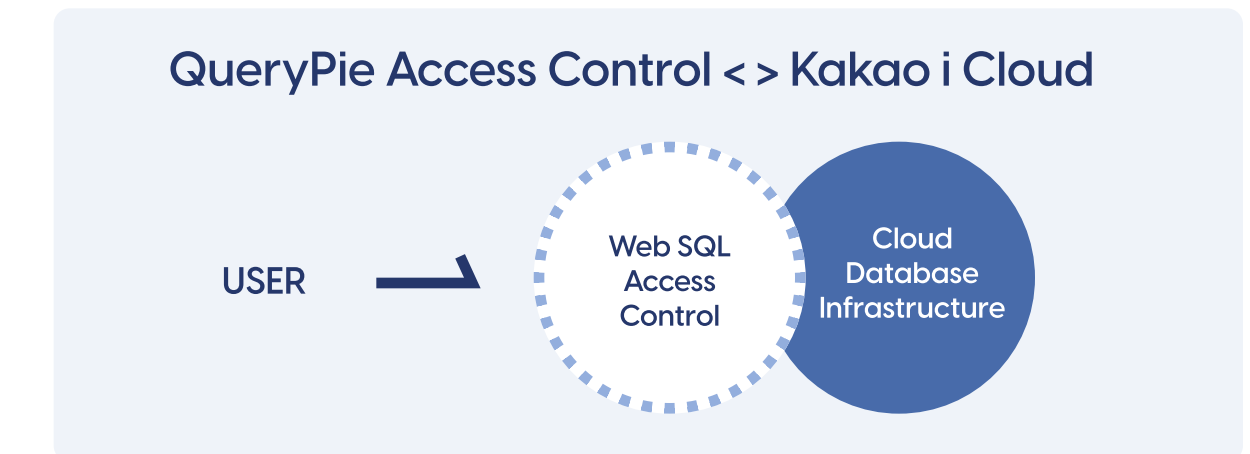
Providing security features for Kakao Enterprise's B2B customers

3. Usability Issues

Providing built-in SQL editor for Kakao Enterprise's customers

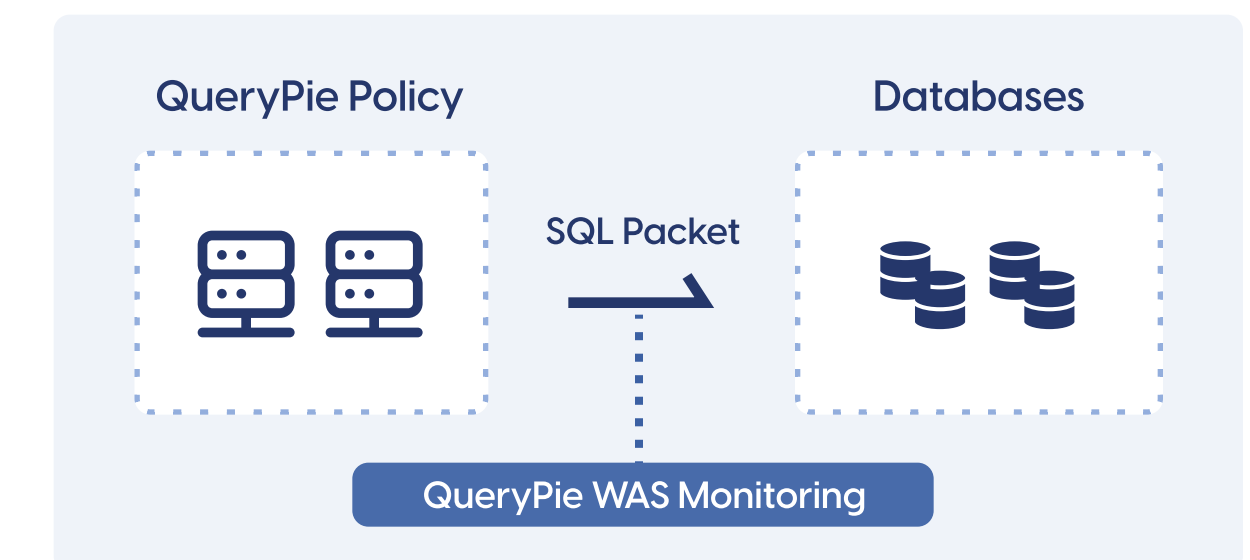
✓ QueryPie's Solution

Point 1. Operating a secured cloud platform



Apply scalable security policies with fine-grained access control through centralized data access and audit

Point 2. Monitoring SQL audit logs on server



Providing additional features for monitoring Web Application Server(WAS) through SQL packet logging

Thank you

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Contact | brant@chequer.io



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