

# DE-RISKING CLOUD MIGRATION FOR ACCELERATED BUSINESS TRANSFORMATION



Data is an enterprise's most valuable asset. The sooner data is available and accessible on the cloud, the sooner data science and analytics teams can leverage it to drive better business decisions. Yet, migrating to the cloud can be challenging and risk-laden, due to ever-evolving industry regulations and the access control policies that must be implemented across all data sources to ensure compliance with them. This results in a difficult dual mandate many enterprises must balance: securely democratizing data across various business units, while ensuring it is safeguarded against unauthorized use.

## DUAL MANDATE

### PRIVACY & SECURITY



### Compliance & Governance



### DATA SHARING & UTILIZATION



### Analysts & Data Scientists

To simplify and de-risk cloud migration, Privacera's unified data access governance platform seamlessly integrates with leading public cloud providers, including Amazon Web Services, Azure, and Google Cloud, to provide a centralized location to define, enforce, and manage data access across on-premise and cloud data sources—alleviating manual processes that create redundancy and cost enterprises significant time and money.

## KEY BENEFITS



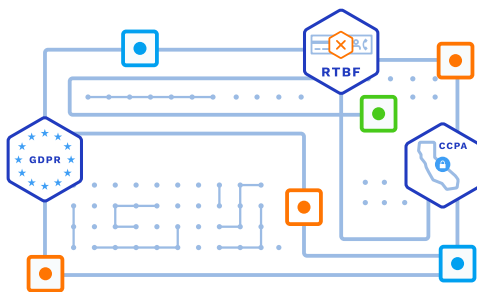
### Secure Self-Service Data Access

Leverage fine-grained access controls and policies to enable real-time data visibility and rapid, self-service analytics without compromising privacy or compliance.



### Accelerated Productivity

Reduce manual data processes from weeks to days with automated data access policy migration, centralized access management, and compliance workflows.



### Single-Pane Visibility & Management

Control and enforce data access across thousands of on-prem and cloud data sources from a single location, without recreating or rewriting existing policies.



### Comprehensive Extendability & Support

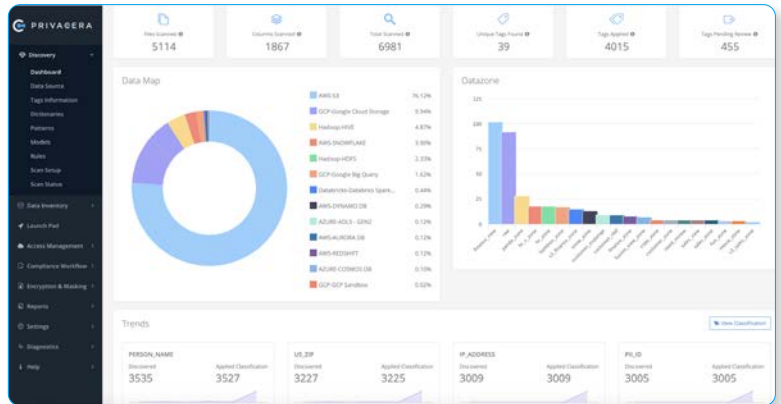
Privacera integrates with more than 50 cloud databases, analytics platforms, reporting systems, and geographies to provide the industry's most comprehensive support for data access governance.

# KEY FEATURES

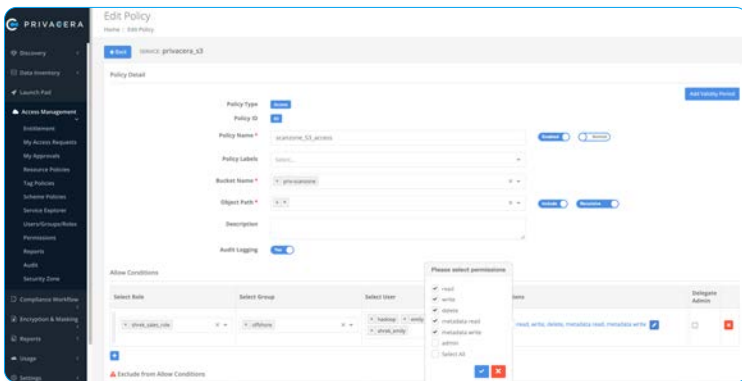


## Automated Data Discovery & Classification

- ⊕ Automatically discover, tag, and classify sensitive data across on-prem and cloud data sources
- ⊕ Sophisticated rules, patterns, dictionaries, algorithms, and machine learning models
- ⊕ Out-of-box reporting, custom reports, and alerts give comprehensive visibility of sensitive data and its use



## Automated Data Discovery & Classification



- ⊕ Single-pane view to define and administer tag-based, role-based, or attribute-based data access policies across on premises, cloud, analytics services, and relational databases
- ⊕ Granular access control down to file, row, and column-levels
- ⊕ Built-in workflows to ensure compliance with privacy and industry regulations

## Reinforced Data Security

- ⊕ Dynamic encryption and masking policies ensure only authorized users see data they are permitted to see
- ⊕ Define which specific data fields are masked and how to anonymize or pseudonymised data
- ⊕ Encrypt data at rest or in motion to secure migration of on-premise data, analytical workloads, and ETL processes
- ⊕ Authentication support for LDAP, SAML, OAuth, and OpenID

Name	Description	Tag	Format Type	Scope	Name	Encryption Alg	Algorithm	Data / Storage	Actions
TEXT	General Text Encryption - AES_256		Autonomous	All	PRIVACERA	PRIVACERA	Standard OAEK	USDC - GROUPS	
ADDRESS	Address - General	All Address	DEL_ALPHA_NUMERIC	All	PRIVACERA	PRIVACERA	AggAnonymize	USDC - GROUPS	
EMAIL	Email - PII		Email	All	PRIVACERA	PRIVACERA	PII	USDC - GROUPS	
TEXT_PII	General text		AggAnonymize	All	PRIVACERA	PRIVACERA	Standard	USDC - GROUPS	
US_PHONE_NUMBER	US Phone Number		PRIV_ALPHA_NUMERIC	All	PRIVACERA	PRIVACERA	USDC - GROUPS	USDC - GROUPS	
US_PHONE_NUMBER	US Phone Number		PRIV_ALPHA_NUMERIC	All	PRIVACERA	PRIVACERA	AggAnonymize	USDC - GROUPS	
US_PHONE_NUMBER	US Phone Number		PRIV_ALPHA_NUMERIC	All	PRIVACERA	PRIVACERA	AggAnonymize	USDC - GROUPS	



## Sun Life Financial Deploys Privacera For Rapid, Secure Cloud Migration



### Challenge

Sun Life migrated to AWS after recognizing its on-premise platform lacked the flexibility and scalability required to add capacity and support leading-edge analytics. Sun Life wanted to retain Apache Ranger, needed a centralized view of all sensitive data, as well as automated, fine-grained access controls to protect against unauthorized access and decrease manual complexity for its data teams.



### Solution

Sun Life deployed Privacera to automate data access, security, and compliance across their AWS, hybrid environment. With a centralized view of sensitive data across all their data sources, Sun Life's data team quickly migrated on-prem data- while maintaining existing Apache Ranger access policies and investments- without introducing any manual processes or compliance risks.



### Results

- ⊕ Reduced policy migration time from **weeks to days**
- ⊕ Automated data management, security, and compliance across **200 Amazon EMR nodes** from a single location
- ⊕ **Reinforced data security** with faster insights into vulnerability analytics
- ⊕ Achieved **automated compliance** with IFRS and other industry regulations

Ready to get started with Privacera?

Visit <https://privacera.com> to learn more, or contact us at [sales@privacera.com](mailto:sales@privacera.com).