databricks
TECHNOLOGY PARTNER
Validated

Observe & Learn: Discover cloud data access issues in 30 minutes or less, without seeing or touching the data itself.

Recommend & Enable: Recommend and define actionable policies for least-privilege access and remediation of risks.

Control & Protect: Deploy fine-grained role- and attribute-based access control policies natively within all your Databricks accounts, on all Clouds.

Audit & Certify: Continuously observe, alert, report on new issues and ensure ongoing compliance.

TRUSTLOGIX

databricks

TrustLogix : A Value-added Partner for Databricks

Product Overview

Databricks is a robust data and AI platform that empowers organisations with advanced data engineering, analytics & machine learning capabilities.

The TrustLogix Cloud Data Security Platform compliments the capabilities by providing advanced data access governance and monitoring features, addressing critical challenges faced by enterprises managing data access and usage across Databricks environments. Together, Databricks and TrustLogix offers powerful, holistic solution for modern data security.

Databricks Features for Governance and Monitoring

Databricks offers several built-in capabilities for managing data security:

- Unity Catalog: Centralized governance for data and AI assets, enabling consistent data access control across workspaces
- Role-Based Access Control (RBAC): Manage access permissions based on pre-defined roles.
- Audit Logs : Capture and Review logs to monitor data access and detect potential security issues.
- Dynamic Table Views: Allow administrators to enforce data filtering and masking.

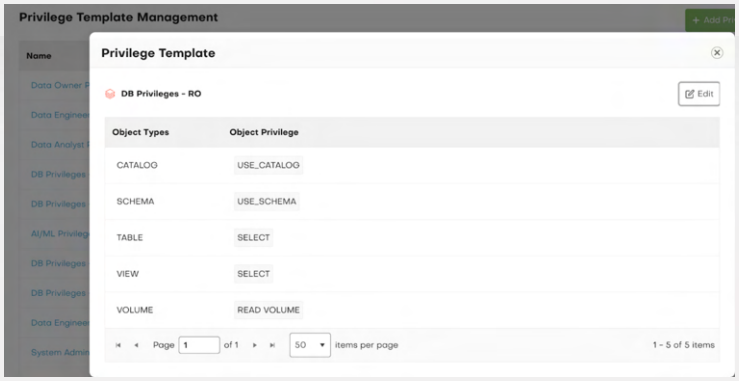
These features ensure foundational data security, however for enterprises operating at scale or needing additional flexibility, TrustLogix provides complimentary features that address gaps and streamline governance.

TrustLogix: Complementary Capabilities

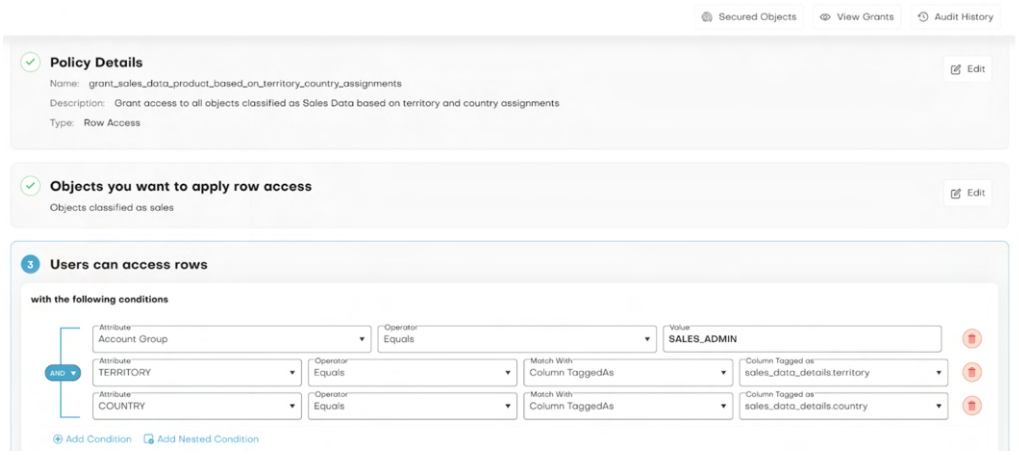
TrustLogix enhances Databricks by addressing operational complexities and introducing new functionality:

Data Access Governance :

- Tag-Based Attribute Policies: Enables fine-grained access control using metadata tags - a feature not natively supported by Databricks.
- Centralized Management: Simplifies governance with a single control pane across multiple Databricks accounts, multi-cloud data providers, and on-premises data sources.

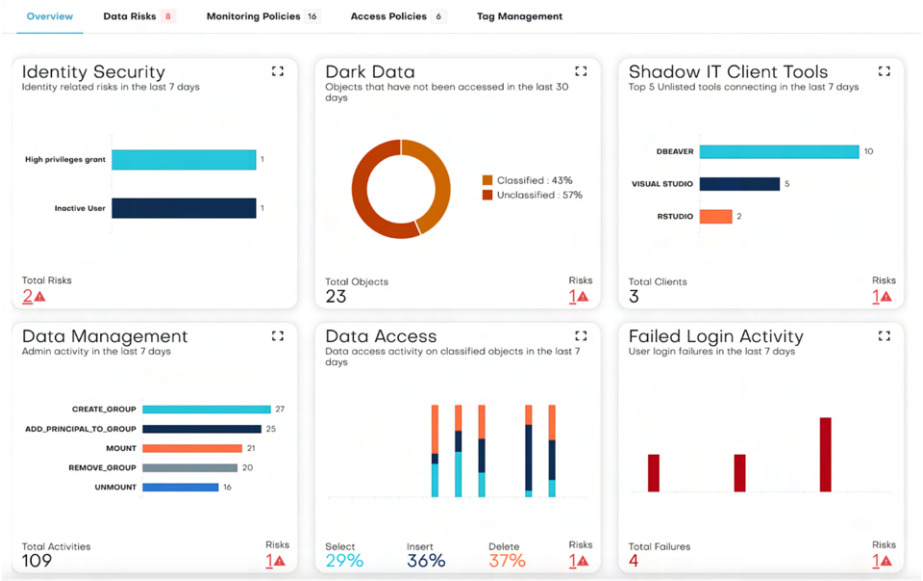


- Low-Code Policy Creation: Intuitive UI to define and manage access policies without extensive coding efforts, enabling faster policy provisioning and increased productivity.
- Dynamic Masking and Row-Level Security: Enforces fine-grained access policies to ensure sensitive data remains protected

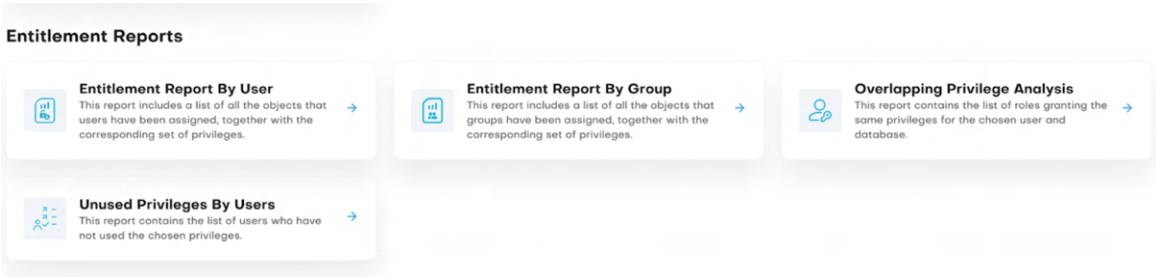


Data Monitoring

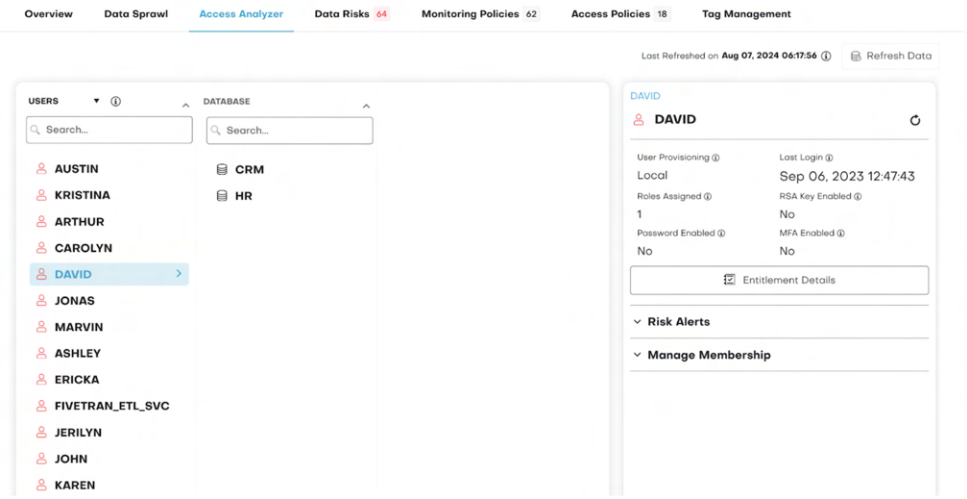
- **Unified Visibility :** Consolidates data access patterns, sensitive data usage, and entitlement assignments across multiple Databricks accounts and data sources.



- **Pre-Built Reports:**
  - Dark Data Reports: Highlight unused data for better storage optimization.
  - Object Usage Insights: Understand data interaction trends by user and group.



- **Access Analyzer:** Interactive UI for visualizing and analyzing grants by user, group, and object pivots.



- **Data Sprawl Visualization:** Provides a pictorial representation of sensitive data movement, enabling proactive risk management.

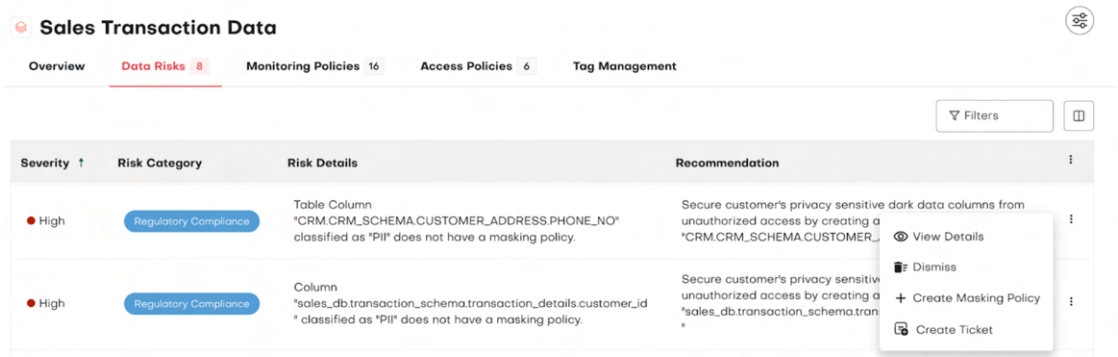
Integration with External Data Catalogs

TrustLogix integrates seamlessly with external data catalogs, simplifying data governance and workflows. This integration ensures consistent application of access governance and monitoring on sensitive data assets.

Holistic View and Actionable Insights

TrustLogix and Databricks together offer a holistic solution for:

- End-to-End Governance: Seamlessly enforce access policies and monitor usage across the organization.
- Proactive Risk Mitigation: Detect overly permissive access or abnormal data usage patterns and enable enable real-time remediation through dynamic policies.



- Enterprise Tool Integration: Integrate with ticketing systems like Jira and ServiceNow to streamline access requests and policy violations. Forward monitoring insights to SIEM tools like Splunk for enhanced security event correlation.
- Regulatory Compliance: Generate detailed, audit-ready reports for stakeholders. Leverage fine grained controls to meet data privacy regulations.

Operational and Cost Benefits

Multi-Account and Multi-Cloud Management

Managing multiple Databricks accounts and diverse data sources often requires significant effort:

- **Reduced Administrative Overhead:**
  - TrustLogix eliminates the need for multiple logins and administrators by providing a unified console for all accounts and data sources.
  - Reduces man-days spent on account management and expert involvement across platforms for all accounts and data sources.
- **Cost Optimization:**
  - By centralizing management, organizations can streamline operations and reduce cost associated with hiring and maintaining specialized teams for each data source.
- **Faster Policy Provisioning:**
  - Traditional policy requests can take days to process. With TrustLogix's low-code/no-code interface, policies can be created and enforced quickly, boosting team productivity.

Simplified Auditing and Compliance

- **Streamlined Auditing :** TrustLogix simplifies the auditing process by providing a single view of access and entitlement data, reducing the dependency on multiple teams for report consolidation.
- **Regulation Watch :** Built-in monitoring of regulatory deviations helps security teams stay compliant without manual intervention.
- **Proactive Risk Mitigation:** Automated insights and alerts reduce the time spent on identifying and addressing security gaps.

Learn more about how TrustLogix can protect your Databricks environment. Visit us at trustlogix.io and try our free trial at trustlogix.io/free-trial

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