AI-driven Governance and Security for Data Clouds and Lakehouses

Challenge

With the advent of Generative AI, enterprises are expected to move their data into the cloud at staggering rates. With more data comes more responsibility, not just morally but also legally. Regulatory policies like GDPR, HIPAA, PCI, and numerous others drive the need for Data Governance – a set of rules and procedures that govern the ownership and accessibility of data. Though cloud and data platforms offer reasonable security, managing the millions of configurations that sit on top of these platforms is not scalable and puts the underlying data at serious risk. Data Governance requires continuous surveillance of who accesses what data with what privileges from where and at what time – a task that requires 24/7 continuous management.

Theom on AWS

Theom partners with AWS to provide an AI-driven, data-centric data governance and security platform that ensures ONLY the right people have access to the right data at the right time, minimizing the risks of data breaches and ensuring compliance with data protection and security regulations. Theom uniquely embeds in AWS, enabling Theom to see every individual data access attempt and query in the clear without transferring any data or metadata out (or generating egress costs). Theom discovers the appropriate data access policies and configures AWS to enforce those policies effectively, *at scale*. Theom also governs clean rooms for data exchanges and enforces data access governance across multiple clouds and data stores.

Theom-AWS Architecture
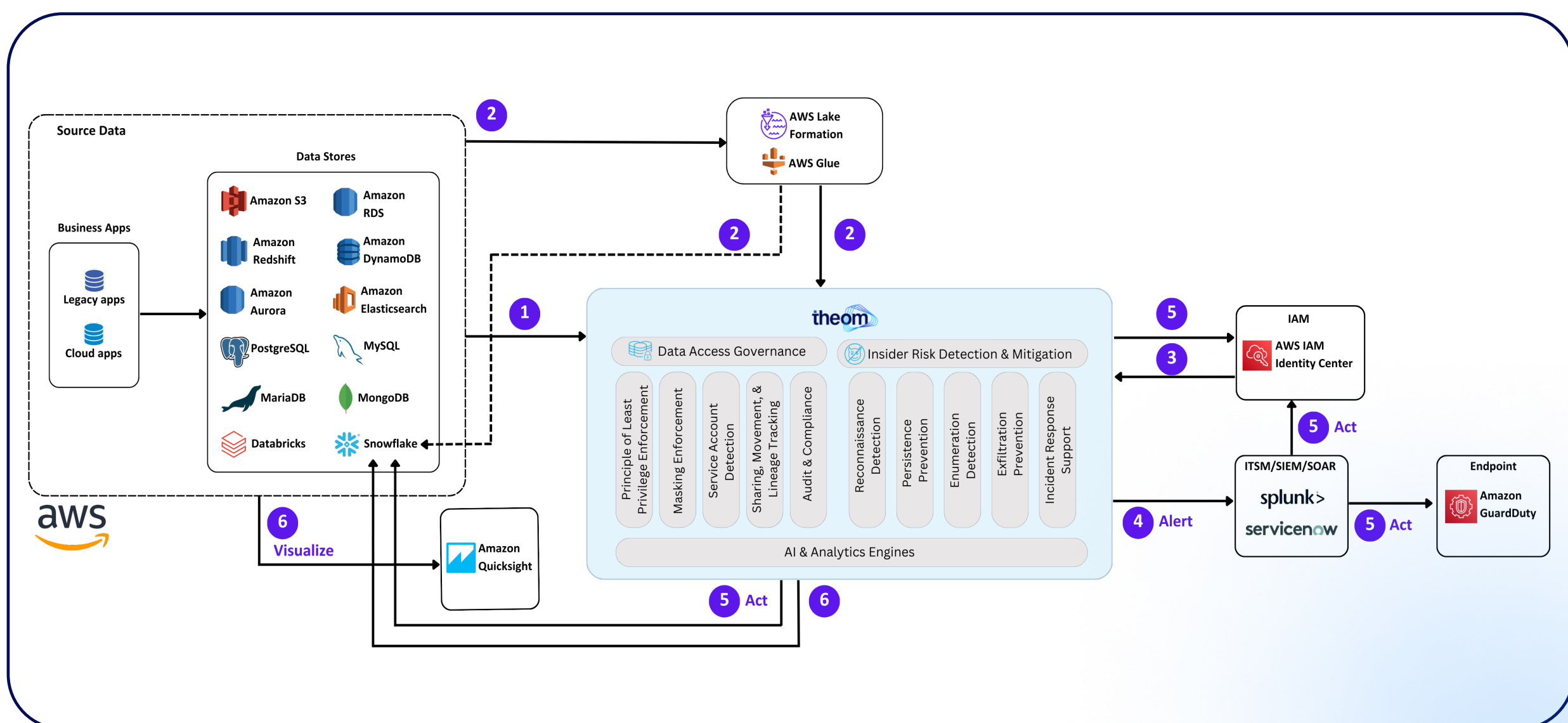
Why Theom on AWS?

Policy Orchestration
- Enforce access controls from Theom's policy discovery and administration points all the way to AWS's policy decision and enforcement points

Configuration at Enterprise Scale
- Configure high-level abstractions based on identities, roles, and data at scale

Insider Risk & Data Breach Protection
- Baseline user behaviors with AI to detect data abuse and threats and stop exfil attacks

Governance Across Clouds, Catalogs, & Data Stores
- Enforce data access governance wherever your data stores are and tag cataloging data in your data store for multiple data catalogs

Simplified Compliance & Controls
- Enforce compliance rules and controls that follow your data wherever and whenever your data moves inside AWS, or even across data store boundaries

---

Who to Contact

theom

Grace Rotondo
Director, Routes to Market
grace@theom.ai

aws partner network | global startup

aws partner network | isv accelerate

aws PARTNER AWS Marketplace Seller

aws PARTNER Data & Analytics Software Competency

Want to learn more? Explore our partner page.