

PRODUCT OVERVIEW

Okera Active Data Access Platform

Okera solves one of the biggest challenges with heterogeneous, multi-vendor data platforms at scale: opening data access for innovation while ensuring proper governance and compliance. Without the ability to scale governance, enterprises are limited in what they are able to do with new data platform technologies or run the risk of their security and governance controls falling short.

The Okera Active Data Access Platform unifies and manages access for data consumers across a multi-cloud, multi-datastore and multi-tool environment. It reduces friction between agility and governance and the people involved—data consumers, owners, and stewards.

Product Overview

The Okera Active Data Access Platform consists of the Data Access Service and Catalog Services. The Catalog Services include Schema Registry, Policy Engine and Audit Engine. The platform is modular in nature and exposes standard APIs making it easy for data platform teams to integrate it within their environment and also gives them the choice to use other services as they see fit.

DATA ACCESS SERVICE

The Okera Data Access Service is a scalable, fault tolerant distributed service that your analytics tools interact with. The Data Access Service does the I/O and provisions data to the analytics tools after applying schema, fine-grained access policies and other transformations (UDFs, tokenization, masking etc.) with high performance. The data provisioned is in the form of easily consumable and very familiar abstraction of tables or in the form of files in formats the user may request. Different retrieval, streaming, and analytics tools like Spark, Python, SQL engines, Notebooks, and business intelligence tools like Tableau, Excel, and so forth interact with this service.

Key Benefits

GREATER AGILITY

Faster implementation of analytics projects resulting in increased revenue, reduced cost, and increased customer satisfaction

LOWER TCO

Removing the need for custom plumbing, data duplication and abstracting away the complexity from the data consumers

EASIER COMPLIANCE

Compliance with data governance and security policies through an easy, consistent, fine-grained access management and visibility

Okera Serves All Data Users

CONSUMERS

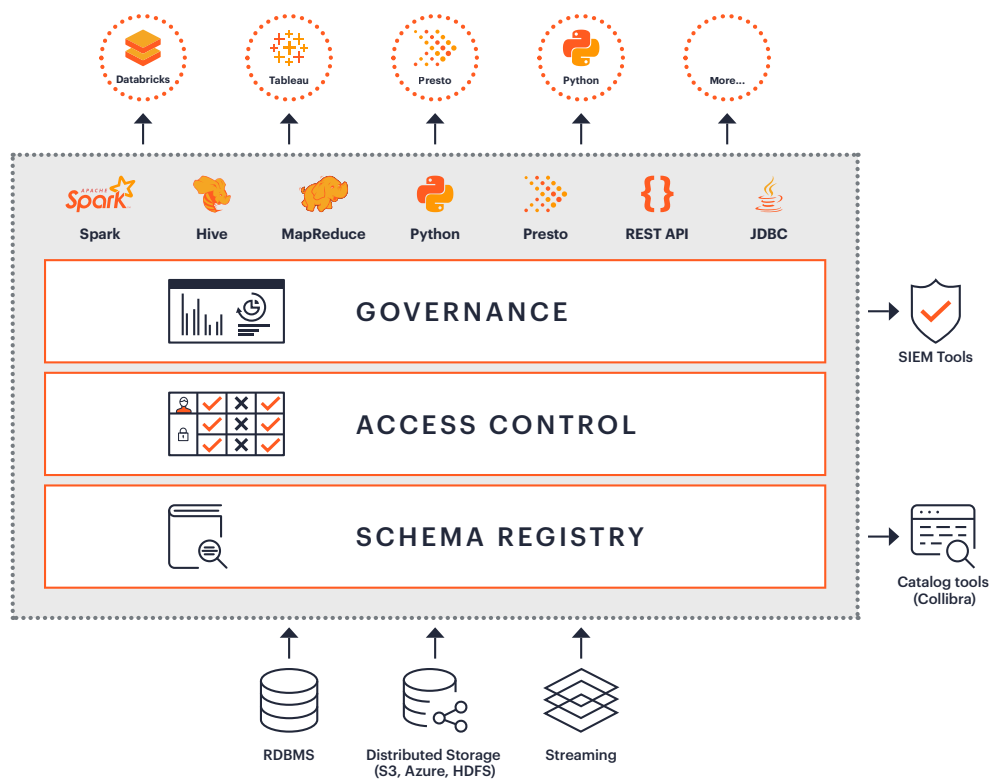
Data consumers want to find and access data quickly using a variety of analytics tools

OWNERS

Data owners want an easy way to publish datasets and thereafter get visibility into how the data is being used

STEWARDS

Data stewards want to define and enforce access policies at a fine-grained level, understand access levels as well as audit historical data access activity



SCHEMA REGISTRY

The Okera Schema Registry provides the ability to store and query technical and operational metadata on datasets available to data consumers. Schemas, dataset sizes, who owns them, tags, annotations, basic quality metrics are some of the information that the schema registry contains.

Users and applications can access the registry via the Hive Metastore API, REST APIs or a GUI. It typically becomes the central schema registry that is shared across multiple analytics tools.

POLICY ENGINE

The Okera Policy Engine provides the ability to define and manage data access policies including anonymization functions that can be applied on the fly as data is accessed. These policies can be defined at several granularities: database, dataset, rows, columns and even cells.

AUDIT ENGINE

The Okera Audit Engine gives a detailed view of what's happening in the system. This includes but is not limited to information about different user activity, most popular datasets and most commonly used tools.

The Okera Data Access Service and different catalog services work in conjunction to provide the active data management capabilities that make the Okera Active Data Access Platform a unique and powerful way of managing data access for modern analytics environments.

It is built to serve modern and forward looking enterprises that are looking to democratize analytics without taking on unnecessary additional risk from a governance perspective.

ABOUT OKERA

Okera is the first software provider to enable the management of data access and governance at scale for today's modern heterogeneous data environments. Okera's Active Data Access Platform allows agility and governance to co-exist and gives data producers, consumers and stewards the confidence to unlock the power of their data for innovation and growth. This unique, enterprise-wide platform facilitates the provisioning, accessing, governing and auditing of data in today's multi-cloud, multi-data-format, and multi-tool world.

For more information, contact Okera at info@okera.com or visit website www.okera.com.