

## SCALABLE GOVERNANCE BIG DATA

# Maximize The Value Data Stores By Increasing Access, Ensuring Protection, and Monitoring Usage

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### Govern Big Data Without Tension or Compromise

Data governance as a concept and practice is nothing new. However, as big data adoption has become mainstream, the historical tension between those who want and need access to data and those charged with protecting data and ensuring compliance with a variety of government and industry regulations regarding data privacy has increased.

Terabyte and petabyte volumes of data being consumed by data lakes, from diverse sources in a variety of structured and unstructured formats, are matched only by the insatiable appetites of data analysts, scientists and other data users for faster, on-demand access. Data engineering teams are inundated with demands of data consumers and spend too much time creating and maintaining data plumbing to support access to usable data.

The challenge is enabling all parties to do their jobs while eliminating the long-standing friction that has existed between the two groups.

At the end of the day, they share common goals:

- To enable ever-increasing collection and secure management of data at scale.
- To facilitate more sophisticated analytics, and generate more insights in real time needed to identify new opportunities.
- To innovate, grow and establish industry leadership positions.
- To adhere to security, privacy and regulatory requirements.

At big data scale, traditional approaches to governance and access simply fall short.

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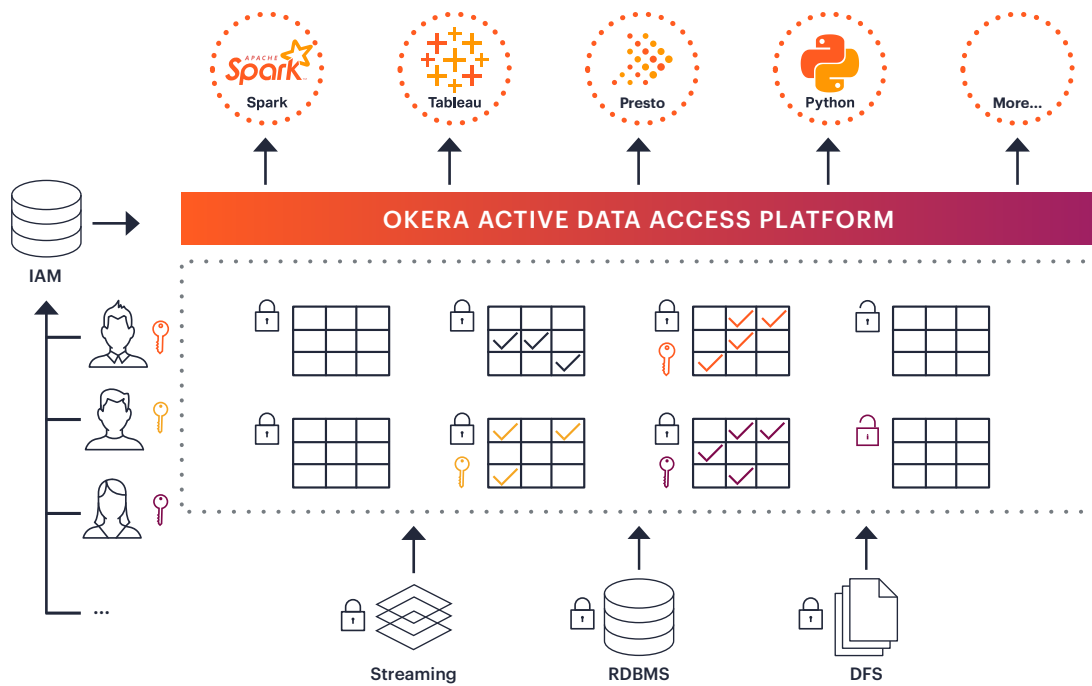
### Big Data Governance Requires Scalability on Many Dimensions

With hundreds of terabytes if not petabytes under management, effective governance must scale to support:

- Rapidly growing volumes of data
- Expanding numbers of users with specifically permissioned access
- Increased numbers of workloads and tools people use

### Key Benefits

- Simplify your view of your data so you have a uniform method to manage data access requests
  - Easily grant access over abstracted data representations
  - Identify and permanently protect PII by using Okera's schema registry to tag pertinent PII (or any data)
  - Control granularity of access to secure data down to individual data fields allowing multiple, personalized views of the same data set
  - Ensure compliance with company policies and external regulations
  - Track and maintain an access audit trails to ensure the right users are accessing the right data
  - Reduce data pollution by reducing the number of copies needed to support unique access requirements
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## Removes the Tension Between Governance and Agility

Deploying Okera's Active Data Access Platform will allow you to say yes to all of your traditional data customers—from data stewards and compliance managers to data scientists, analysts and engineers. By making your data more available and more secure, your organization will be able to reap the full benefit of the data you've amassed, which will give you both the confidence and the power to innovate, improve productivity, and drive profitable growth.

- **Accessibility:** Providing flexibility of choice in query and analytics tools, computing and data modeling frameworks while supporting concurrent workloads and concurrent users in hybrid cloud and multi-data store environments.
- **Protection:** Allowing policy enforcement through fine-grained access control down to the level of a singular cell and scaling to support governance of petabytes of data.
- **Visibility:** Maintaining continuous knowledge of your data and its usage through rich audit trails and data usage statistics.

*"Data and analytics leaders need to take an aggressive approach that creates and appropriate balance between data collection and data connection."*

—ROXANE EDJLALI AND TED FRIEDMAN, GARTNER ANALYSTS

### 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](mailto:info@okera.com) or visit website [www.okera.com](http://www.okera.com).