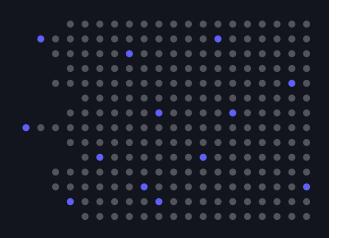


Dataversity Data Governance Demo Day

Matt Vogt

Director, Solution Architecture Immuta





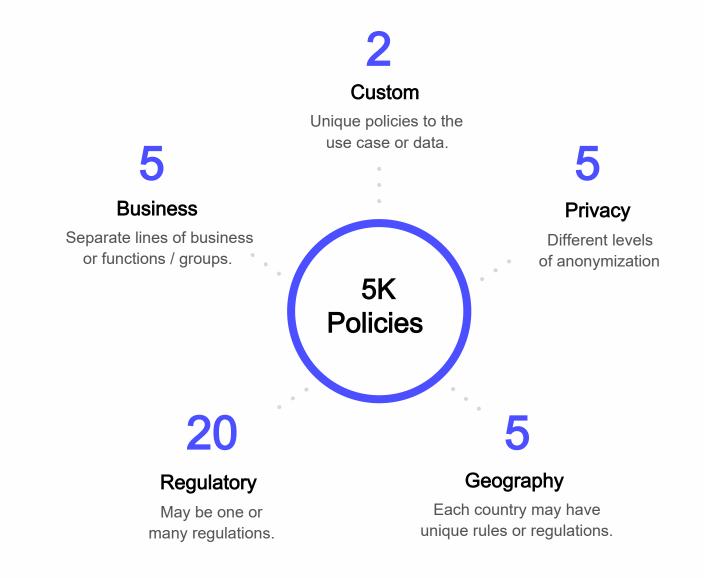
Introduction to Automated Data Governance

Matt Vogt

Director, Solution Architecture Immuta



Trend 1: Complex
Privacy Rules are
Invalidating the Role
Based Access Control
(RBAC) model



Trend 2: The Need For Privacy Enhancing Technology (PET)

How to balance the speed of the business with secure access to sensitive data?

SPEED

Automated

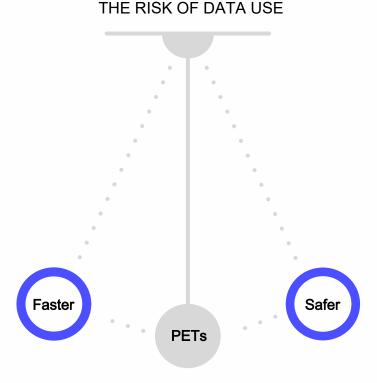
Readily-available data

Timely access

Fewer barriers

Faster innovation

Distributed ownership



CONTROL

Audited

Fine-grained access controls

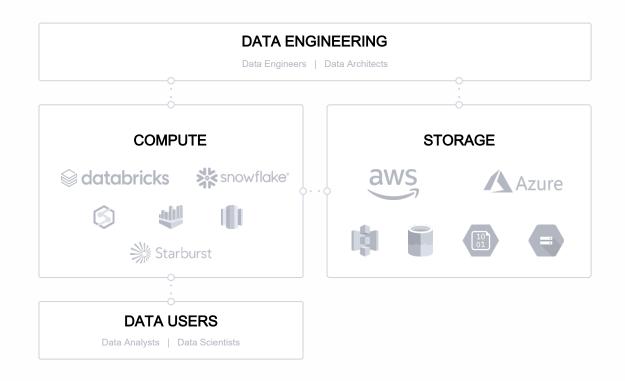
Proactive security

Enforce regulations

Unified Reporting

Risk Assessment

Trend 3: The Separation of Compute & Storage



ABOUT IMMUTA

Enabling the legal and ethical use of data

We give corporations the ability to take control of their data and enforce natural laws of data – allowing them to do the right thing when processing sensitive data.

- Born in U.S. Intelligence
- 10,000s of users
- Exabyte scale
- Protecting the most sensitive data in the world

2.5X
YoY GROWTH



COLUMBUS MMUTA

RECOGNIZED FOR INNOVATION









TRUSTED BY LEADING CLOUD PARTNERS







2015 FOUNDED

USED BY COMPANIES
THAT COMPETE WITH DATA

DAIMLER





















Key Features

IMMUTA CAPABILITIES



SECURITY (ABAC)

Row-Level
Column-Level Security
Ease-of-Administration



PRIVACY (PETs)

Data Masking K-Anonymization Differential Privacy

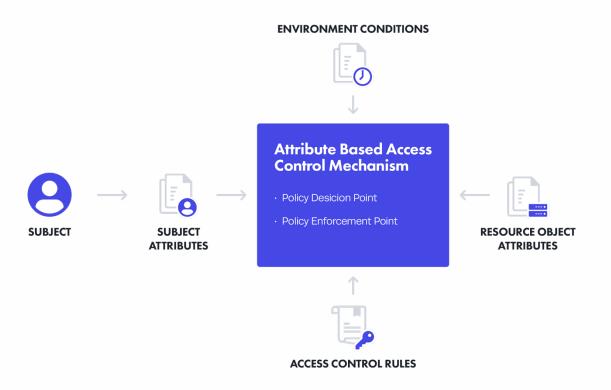


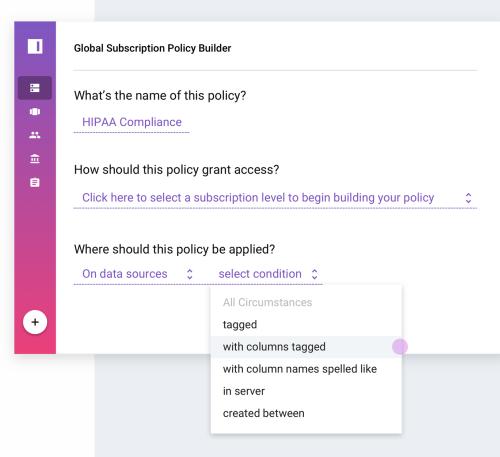
GOVERNANCE

Catalog Prioritize Secure



Security (ABAC)







Security (ABAC)

Granular Control

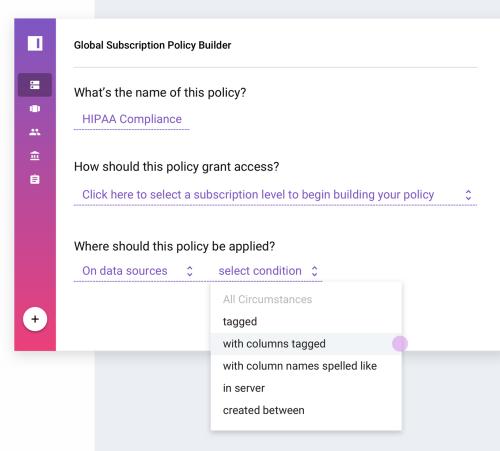
- Flexible Access Controls
- Attribute-based (ABAC)
- Purpose-based (PBAC)

Dynamic Policy Enforcement

- Use metadata to drive policies
- Avoid "Role Bloat"
- Distributed administration

Plain English Rules

- Collaborate IT, LOB, Legal/Compliance on single platform
- Meets any legal framework





Privacy (PETs)

Mask

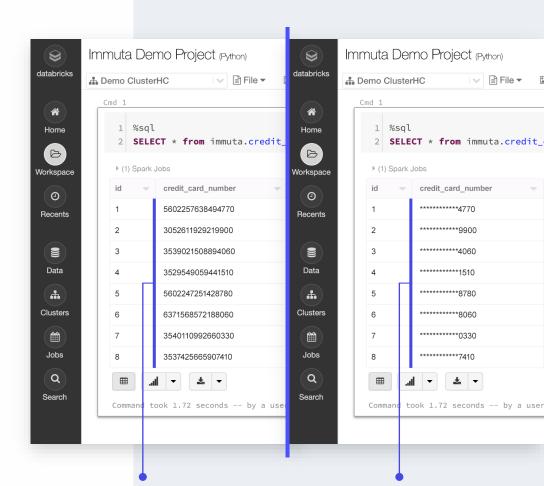
- Author-Once, Protect Everywhere
- Centralize Common Rules
- Advanced Techniques
 - Preserve Format
 - Join on Masked Data

Anonymize

- k-anonymization
- Rounding
- Differential Privacy

Audit

- Privacy-by-Design
- Central Auditing



WITHOUT IMMUTA

WITH IMMUTA

(Dynamic Masking, without copying any data sources)





Data Governance and Risk

Catalog

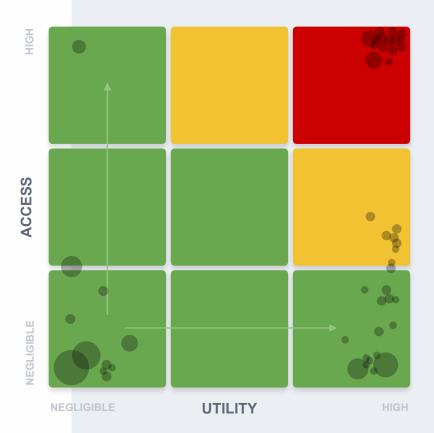
- Inventory data assets and usage
- Analyze Access& Purpose
- Rules Visible & Understandable for all roles

Prioritize

- Prioritize data sets from under-utilized to over-exposed
- Customize your risk Tolerance
- Retire unused data

Secure

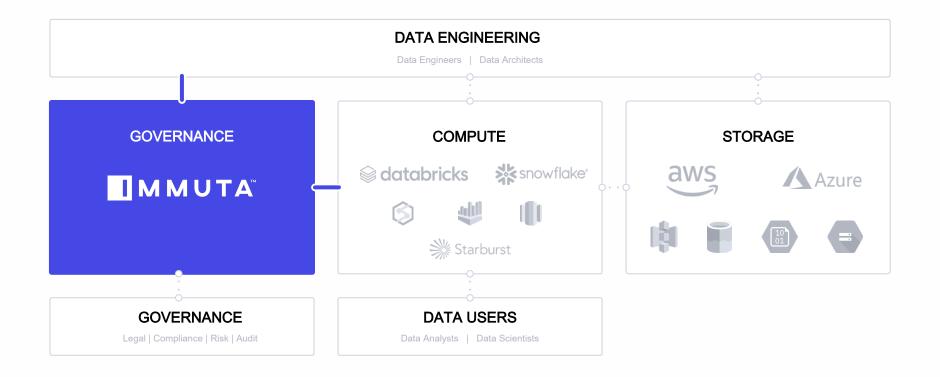
- Machine-Learning Policy Creation
- Automated Reporting
- Prove who used what data, when, and why





Separation of Policy From Platform

The big data era required separation of compute/storage to scale and now the personal data era requires separation of platform/policy to scale



Fortune 500 Transportation Services Company

BACKGROUND

One of the largest transportation, delivery, and logistics companies in North America.

TECHNOLOGY & PARTNERS

- Immuta
- Databricks
- Artis Consulting (SI)

Results:

"With Databricks we were able to accomplish 25% of our total use cases. With Databricks + Immuta, that coverage went up to 90%"

-Artis Consulting

CASE STUDY

HR Analytics

Business Challenge

• Core Requirement: The company's HR team needed to run models to predict resourcing for their fleets. Their compliance team blocked their current approach to leveraging the sensitive data in the cloud. They required anonymization in order to leverage the full data sets. In addition, they required full auditing for every use case deployed.

Immuta Solution

- Self-service data access
- Fine-grained access control over sensitive HR data
- Dynamic masking of sensitive data
- 100% auditability of every query

DEMO