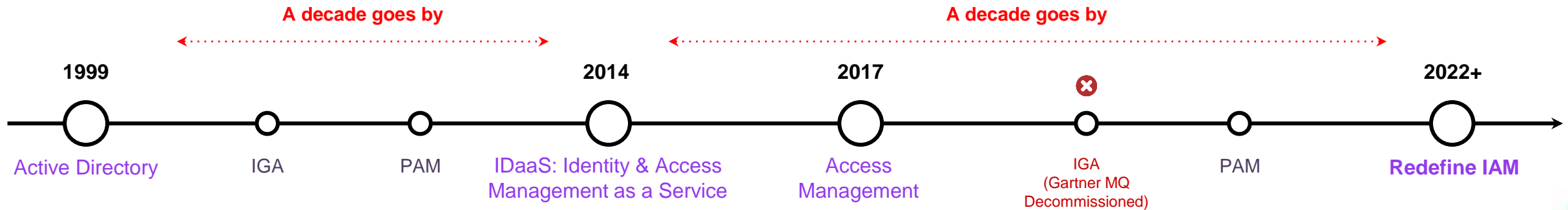


IGA Strategies for Achieving Least Privilege

Rich Dandliker: Chief Strategist, Veza
David Tyburski: CISO, Wynn Resorts

Identity needs a second act: Authentication -> Authorization

Gartner Magic Quadrant throughout the years



Beyond IAM to true Access Controls:

- Implementing MFA is not the “security cure-all” some had hoped for
- Authorization is the next frontier of IAM to secure access to data

Customer Problem: Can anybody get to least privilege?

Teams

Identity Teams

How do I build secure Access Management processes?



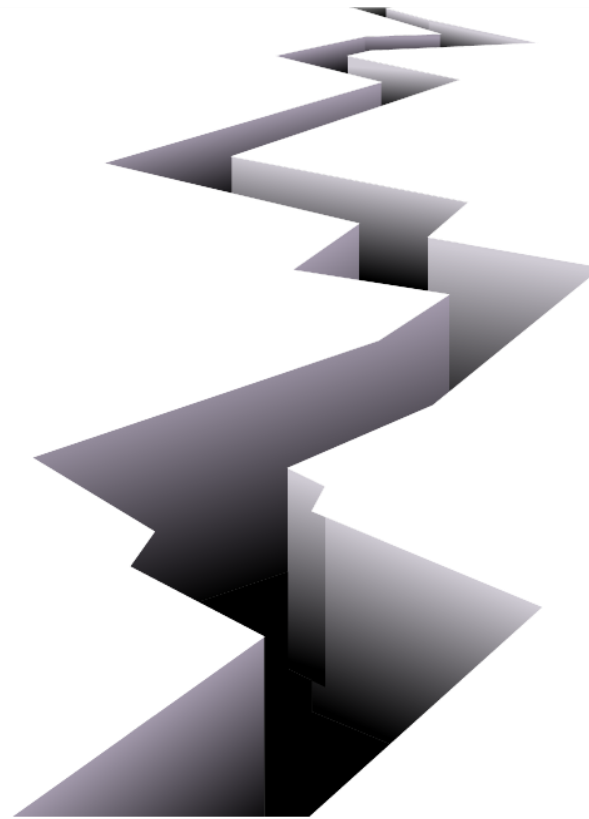
Security Engineering

How do I find and fix privilege violations?

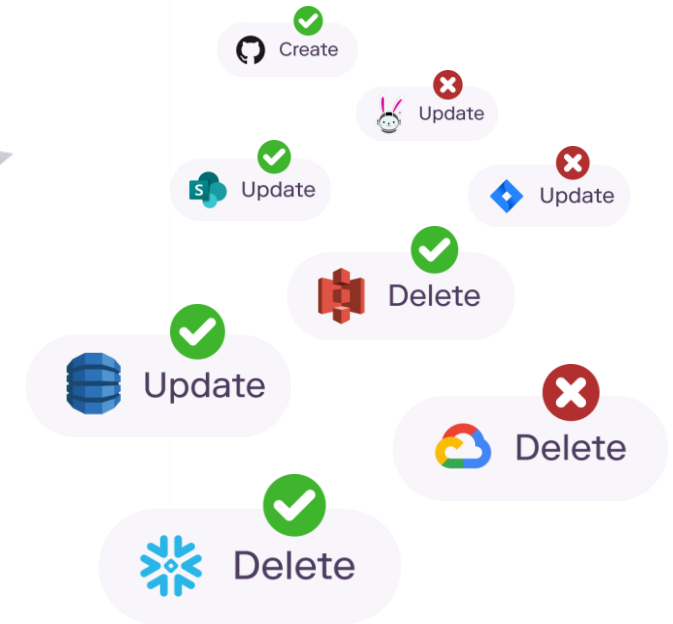


Compliance

How do I automate audit and regulatory reporting and controls for continuous compliance?

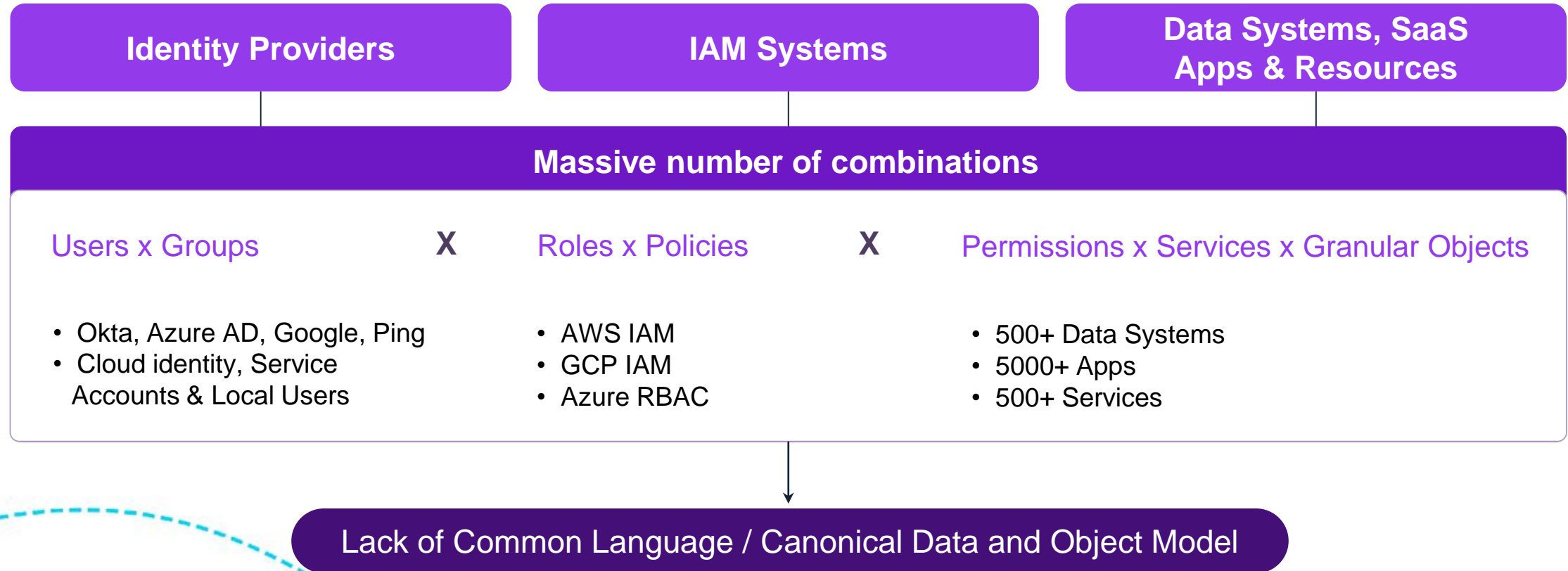


Least Privilege

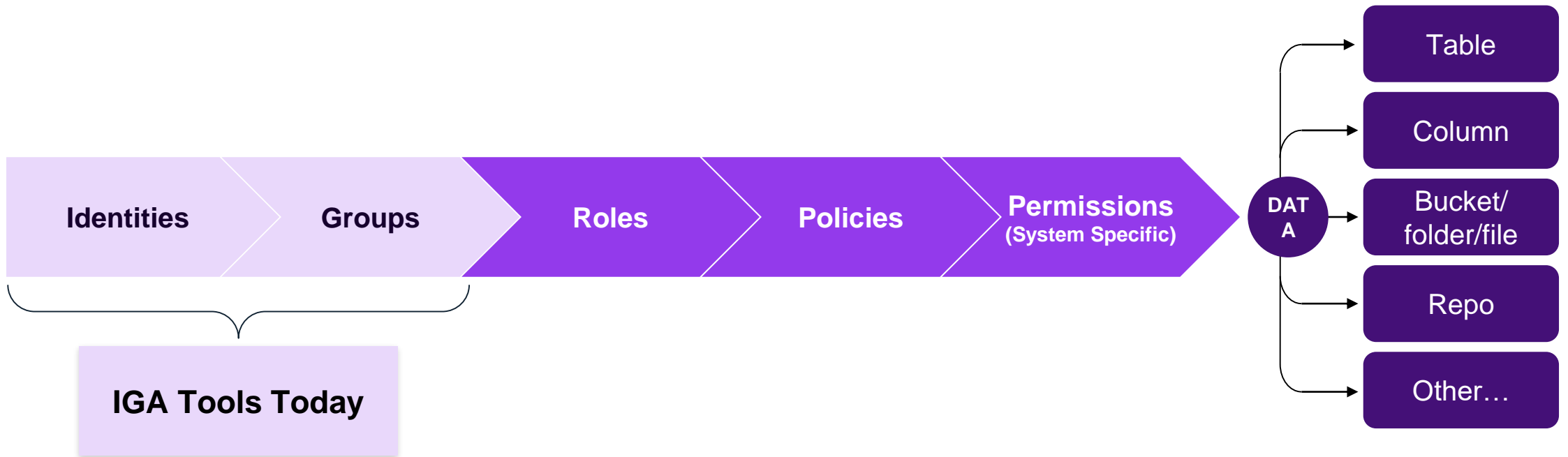


Securing access to data: high complexity problem

Identity, cloud IAM, and access permissions are disconnected



One key way IGA solutions today fall short...



...but there are even more IGA gaps



Don't go beyond
group and role
names



System-specific
permissions hard
to understand



Narrow coverage
for certain targets
only



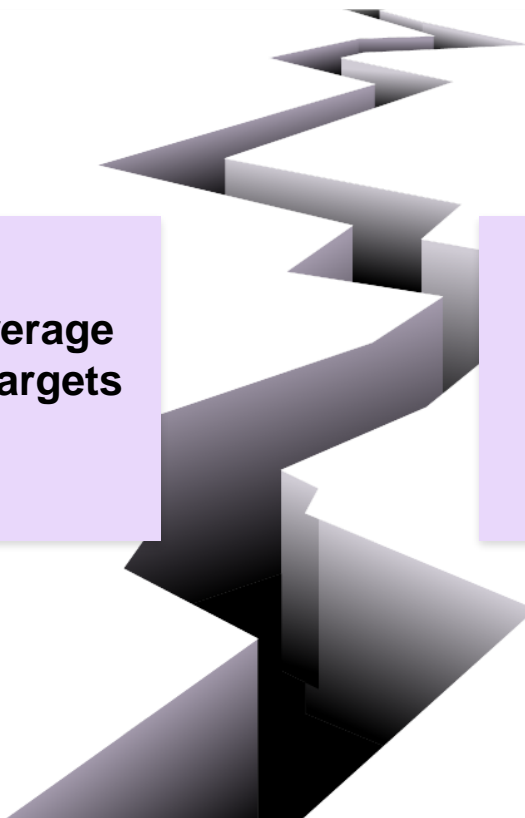
Identities often
based on HR
system only- no
contractors,
partners, etc.



Integrations are
slow and costly

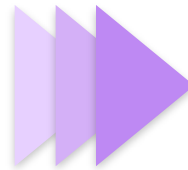


Human identities
only- no service
accounts



Fundamental security goal:

Securing access
to enterprise data



Who can and should
take what action on
what data?

► **AUTHORIZATION** ◀

Authorization use cases

- 1 Access Review Automation.** Run periodic campaigns to see if users should still have access. Certify and recertify entitlements. Perform resource level certifications. Applies to any SaaS app, custom apps, any system.
- 2 Privileged Access Violations.** Monitor any apps and systems for new access that would violate policies. E.G. local users or admins created by circumventing provisioning/SSO. Protect against insider threats.
- 3 Cloud IAM Misconfigurations.** Investigate access to sensitive resources through cloud IAMs. Applies to AWS, GCP, Azure. Identify IAM misconfigurations. Validate access for human identities and service accounts.
- 4 Structured & Unstructured Data Access.** Bring governance to data stores, cloud data lakes, monitoring for activity monitoring. Applies to SharePoint, Box, Snowflake, Databricks, Redshift, BigQuery.
- 5 SaaS Access Governance.** Bring governance to data in SaaS apps, meet audit and achieve continuous compliance (SOX, ISO, etc.) on SaaS apps (SFDC, GitHub, GitLab, Box, NetSuite, etc.).

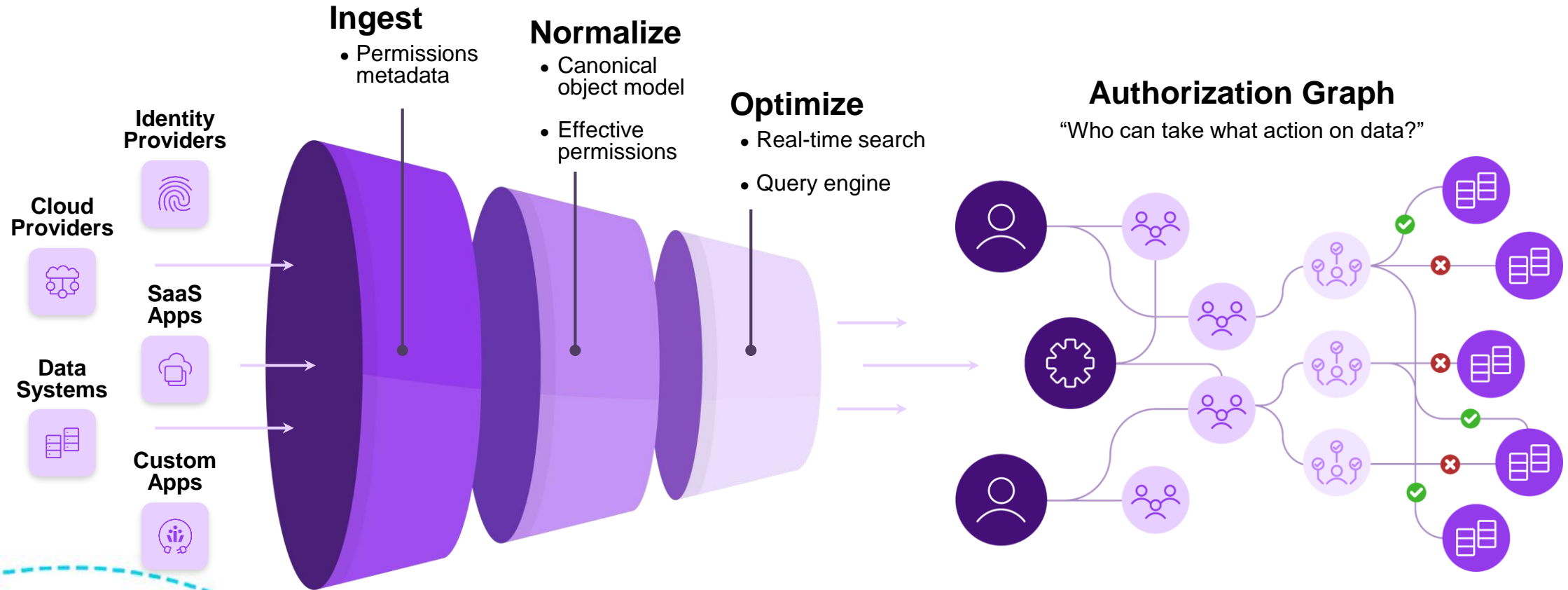


F1000 Bank

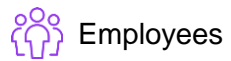


Perspective on a Potential Solution

Step 1: A graph data model to understanding the reality of access



Power of the authorization graph



Employees



Service Accounts



Partners



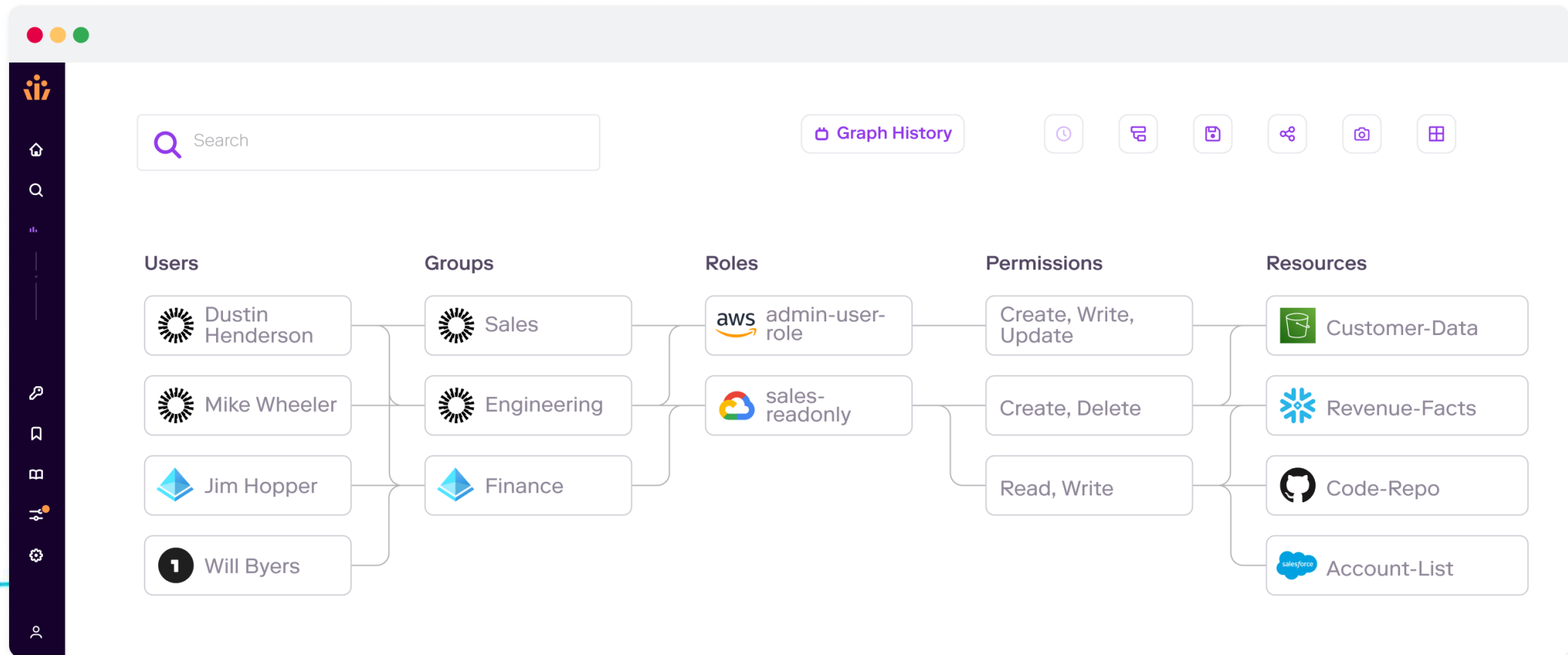
Contingent Workers



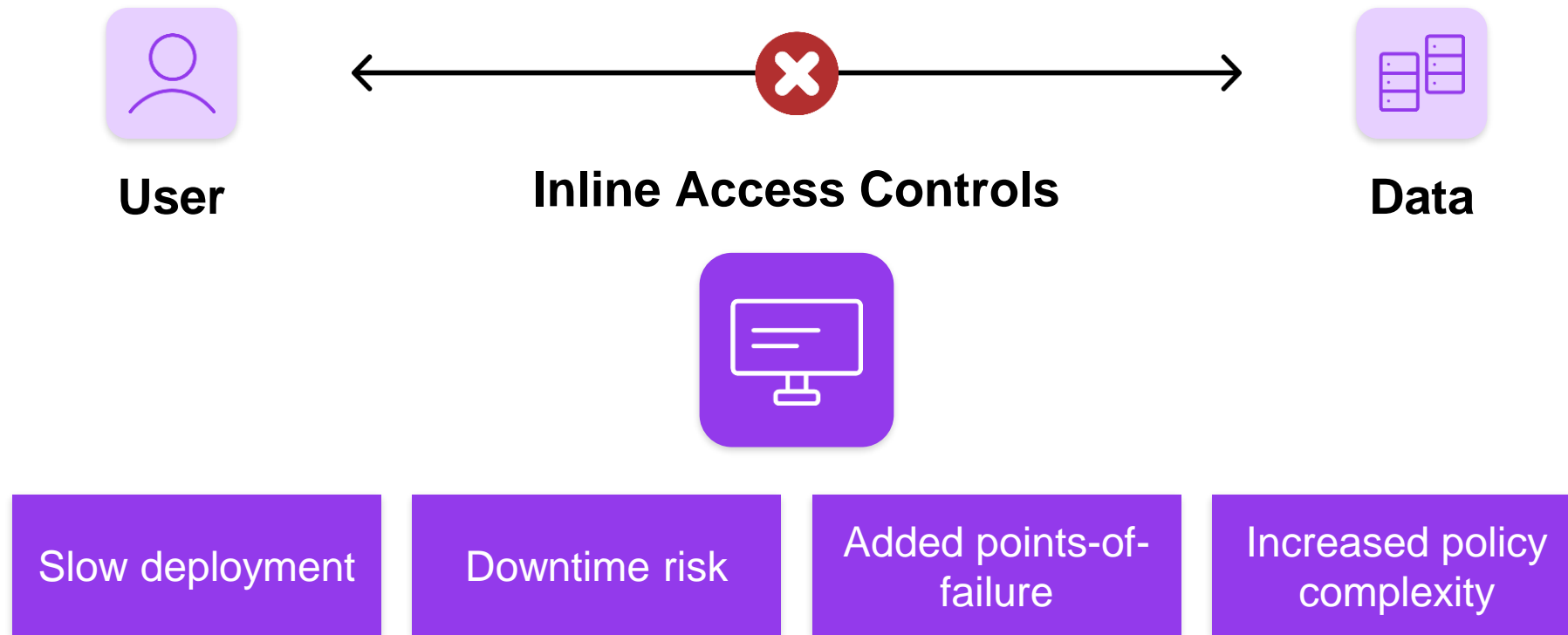
Bots



APIs



Step 2: Address architectural issues with in-line deployments



Roadmap for evolution

Control

How do I implement secure and consistent policies across my entire data infrastructure?



Consolidated Authorization Standard

Advanced Capabilities

- Provisioning
- AI / ML based RBAC Recommendations
- RBAC Aware Policy Engine

Remediate

How and what do I need to fix in data access and entitlements?



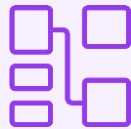
Monitoring and Workflows for Access Control

Increasing Operational Relevance

- Intelligent Access Reviews
- Lifecycle Workflows
- IaC inspection and monitoring for "Shift-Left" protection and integration

Visualize

Who has access to what Data?



Authorization Metadata Graph

"Table Stakes" Functionality

- Integrations (Data, SaaS Apps, Services)
- Enterprise Scale
- Search and Query Engine



David Tyburski

Chief Information Security Officer

Use Cases



Access Review Automation



Privileged Access Violations



SaaS Access Governance

The Need: Identity Orchestration

- Manual processes don't scale
- High stakes: regulatory compliance and customer trust

Existing Solutions Fall Short

- Proliferation of shadow accounts
- Access requests don't account for separation of duties

Our Solution

- ECARF: custom access request portal
- "The Matrix": rules governing who SHOULD get what access
- Authorization Graph: the "check and balance" across it all



PeopleSoft
(Custom IdP)



Okta



Oracle
Apps



SharePoint



AWS IAM

30K Identities

400 Custom Apps

Q&A



THANK YOU!