Active Data Governance

Data Governance is on Everyone's Mind

Data Explosion

"The sum of all data created, captured, or replicated at core, edge, and endpoint locations - will expand from 33 ZB in 2018 to 175 ZB by 2025."
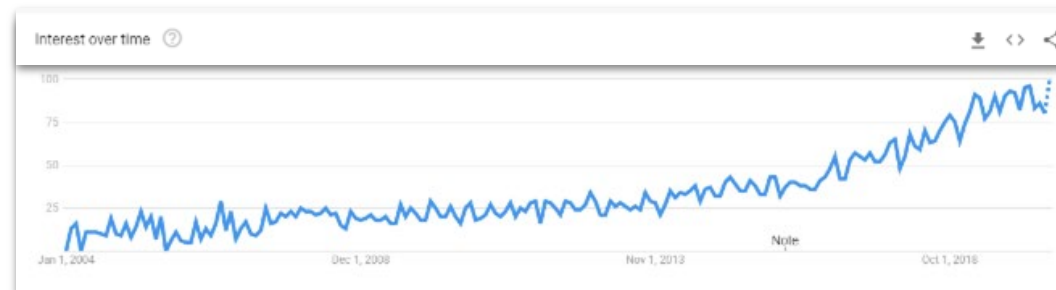
Data Breaches

"Over 4,100 reported data breaches increased in 2022, resulting in more than 30 billion personal records exposed."

Top Concern

"Data governance has surpassed cybersecurity preparedness as the top concern of Chief Audit Executives."

Interest over time

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Data Governance Challenges

High failure rate

Focused on disabling versus enabling people to do their jobs

Top-Down, Forced - IT Driven with no Business feedback

Implementation can be challenging and confusing

Reasons to Pursue Data Governance

Delivers an agile, modern data architecture

Creates data quality and trust

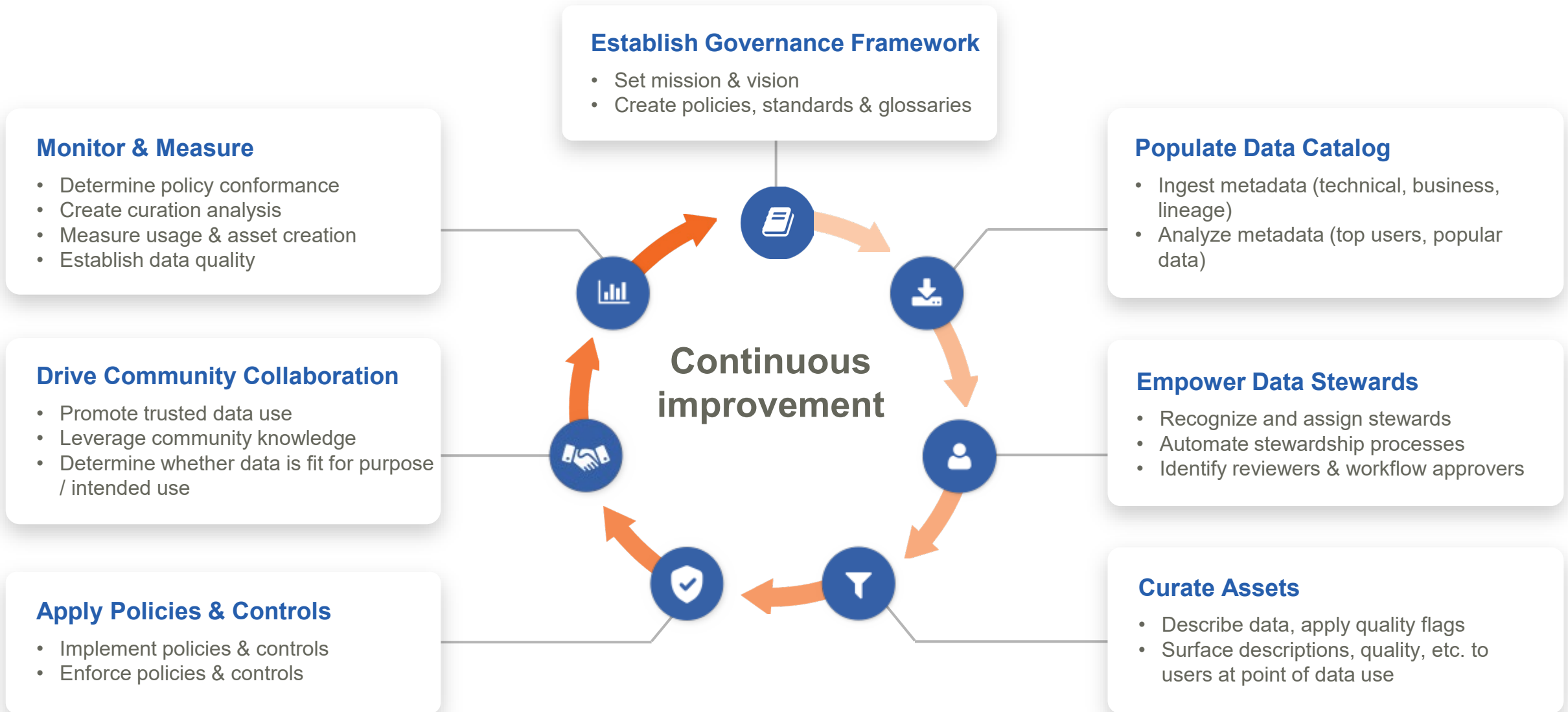Detects, protects, and governs sensitive data

Speeds up operationalization of analytical models

Enables agile data processes including DataOps

Data Intelligence + Human Brilliance™

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How Alation Powers Active Data Governance

Establish Governance Framework

- Set mission & vision
- Create policies, standards & glossaries

Populate Data Catalog

- Ingest metadata (technical, business, lineage)
- Analyze metadata (top users, popular data)

Monitor & Measure

- Determine policy conformance
- Create curation analysis
- Measure usage & asset creation
- Establish data quality

Drive Community Collaboration

- Promote trusted data use
- Leverage community knowledge
- Determine whether data is fit for purpose / intended use

Empower Data Stewards

- Recognize and assign stewards
- Automate stewardship processes
- Identify reviewers & workflow approvers

Apply Policies & Controls

- Implement policies & controls
- Enforce policies & controls

Curate Assets

- Describe data, apply quality flags
- Surface descriptions, quality, etc. to users at point of data use

Continuous improvement

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3 Key Capabilities for Active DG

Discover & Govern Critical Data

- **Automated**, scheduled extraction that ensures **metadata** is always up to date.
- Identify critical data through **behavioral intelligence**
- **Curation Dashboard** to continually govern critical assets

- Increase efficiency through automation
- Reduce storage costs, breach incidents and operational overhead by prioritizing/retiring unused data
- Reduce operational risk by capturing tribal knowledge

Reduce Risk & Improve Compliance

- **Policy Center** to document and manage policies in a single place
- **Automated** extraction and **creation of relationships** between policies and related data assets and potential stewards in the catalog.

- Reduce security risk and avoid fines
- Reduce reputational risk
- Reduce audit timeframe

Accelerate & Monitor Use of Trusted Data

- **Trust check flags** that allow data users to understand what data should be used and how it should be used.
- Analytics to **measure and monitor** your governance processes.

- Promote use of trustworthy data
- Save time & $ via accelerated term workflow
- Self-service access to data makes data engineer/data analyst more productive

VALUE

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Thank you
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