![Microsoft logo]

![Accionlabs logo]

Data Security & Governance with Microsoft Purview

Accelerated with AI Agents

Digital Innovation Partner

Accionlabs

4400+
Global Team Members

1500+
Projects Delivered

25+
IP Accelerators

170+
Clients (Long-term Relationships)

Backed by Capital Square Partners, TA Associates, True North and CPPI

US-headquartered Tech Services firm with 100% focus on Innovation & Product Engineering

Culture of Outcome, Transparency, Work-life Balance, Innovation & Lifelong Learning

INDUSTRY CERTIFIED

ISO
9001:2015

ISO
27001:2013

ISO
27701:2019

CMMI
V2.0 Level 3

PCI DSS
Compliant

HIPAA
Compliant

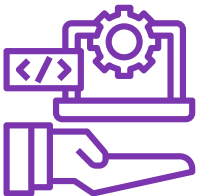## HOW WE WORK?

Data at Heart
Accion Labs reimagines the possibilities for digital transformation from innovation to growth

Digital in Thinking
Scalability, manageability, robustness, and efficiency are always our top priorities

Innovation in Approach
Everything is planned to minute detail, ensuring high-quality deliveries to clients every time

Fastest Growing Tech Services Firm for 5 years in a row. Organic Growth & 9 Capability-centered acquisitions

Emerging Tech first approach - AI/GenAI Applications, investments in IP, Tooling and Innovation
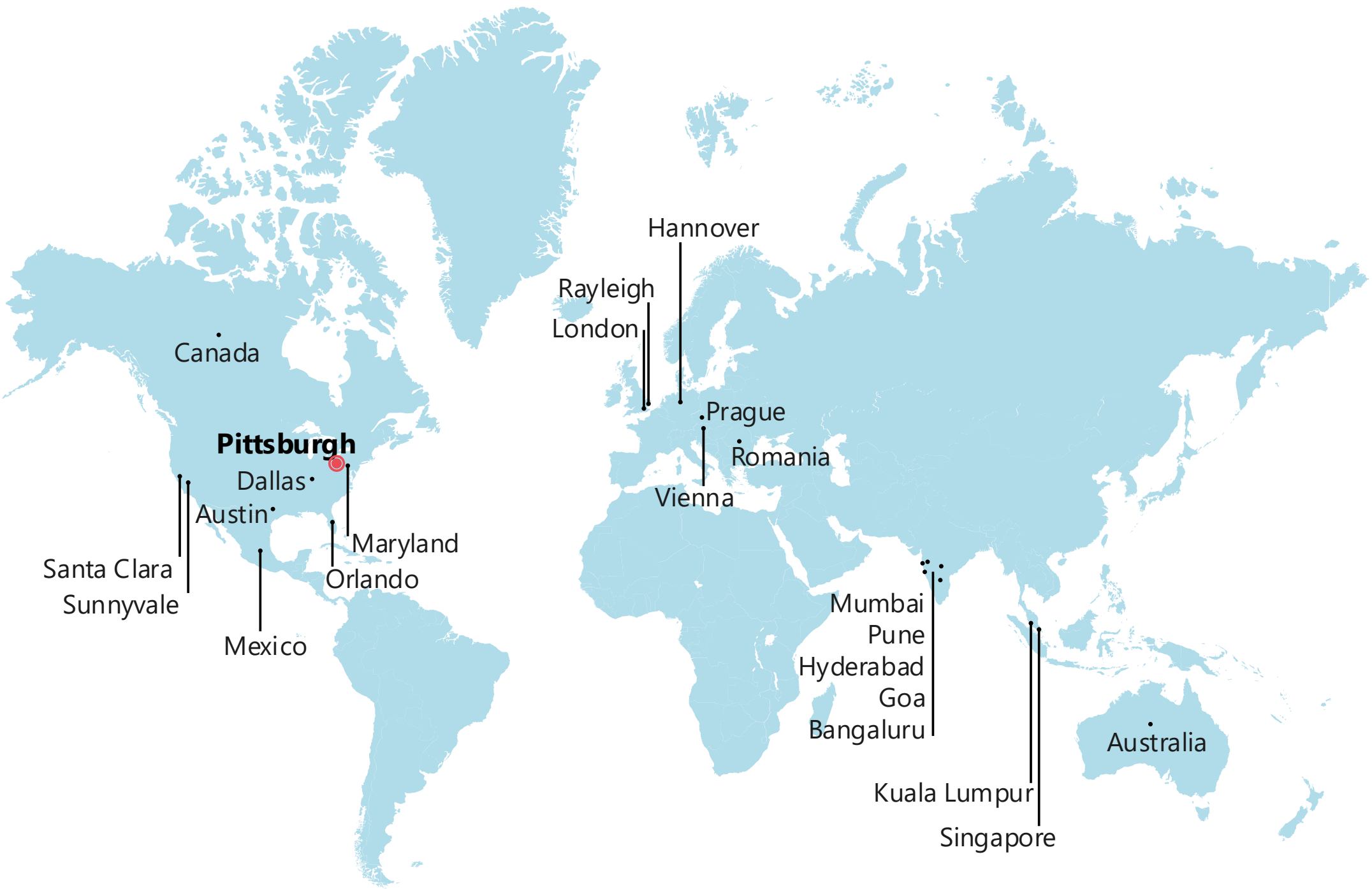
Hands-on Management with Entrepreneurial, Engaged and Value-based Leadership Style

Global Presence and Business Overview

4400+
Global Team Members

23+
Global Delivery
Locations

34+
Proprietary IPs
Developed

41+
Centers of Excellence
Driving Innovation

50+
GenAI Implementation
Delivered

Canada

Hannover

Rayleigh
London

Prague

Romania

Vienna

Pittsburgh

Dallas

Austin

Maryland

Santa Clara

Orlando

Sunnyvale

Mexico

Mumbai
Pune
Hyderabad
Goa
Bangaluru

Australia

Kuala Lumpur

Singapore

Microsoft credentials and awards

■ Microsoft

Microsoft Partner

Winner

2023 Partner of the Year

Analytics Award

■ Microsoft
Solutions Partner

Data & AI
Digital & App Innovation
Infrastructure

Fabric Featured Partner

■ Microsoft

Microsoft Partner

■ Microsoft

Advanced Specialization

Analytics on Azure
Data Warehouse Migration to Azure
Kubernetes on Azure
Migrate Enterprise Applications to Azure
Infra and Database Migration to Azure

Amongst Top Microsoft Partners in USA

Microsoft Partner

■ Microsoft

Gold Cloud Platform
Gold Application Development
Gold Data Analytics
Gold Data Platform
Silver Security

■ Microsoft Partner
Power BI

★★★★★
AWARDS FINALIST
Microsoft Partner of the Year 2020
APPLICATION INNOVATION

Introduction to Purview

Data security, governance, and compliance together

Microsoft Purview is a comprehensive set of solutions that helps your organization govern, protect, and manage data wherever it lives. Microsoft Purview solutions provide integrated coverage and help address the fragmentation of data across organizations, the lack of visibility that hampers data protection and governance, and the blurring of traditional IT management roles.

Microsoft Purview combines solutions and services into a unified platform that helps your organization:

- Gain visibility into data across your organization
- Safeguard and manage sensitive data across its lifecycle, wherever it lives
- Govern data seamlessly in new, comprehensive ways
- Manage critical data risks and regulatory requirements

Purview Solutions

Data Security tools:

- Microsoft Purview Data Loss Prevention
- Microsoft Purview Data Security Investigations (preview)
- Microsoft Purview Data Security Posture Management
- Microsoft Purview Information Barriers
- Microsoft Purview Information Protection
- Microsoft Purview Insider Risk Management
- Microsoft Purview Privileged Access Management

Risk & Compliance tools:

- Microsoft Purview Audit
- Microsoft Purview Communication Compliance
- Microsoft Purview Compliance Manager
- Microsoft Purview Data Lifecycle Management
- Microsoft Purview eDiscovery

Data Governance tools:

- Microsoft Purview Data Map: register and scan your data sources to map your data estate and identify sensitive data.
- Microsoft Purview Unified Catalogue: curate your data sources, manage your data's integrity, govern your data estate, secure your sensitive data, and drive business value from your existing data sources.
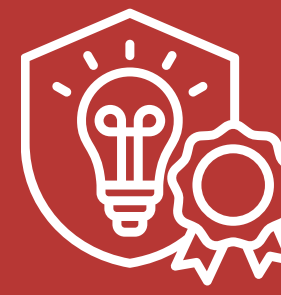
Accion Labs' Capabilities

Purview Solution Design Principles
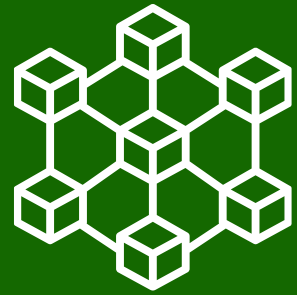
Scalable AI-powered Data Catalog

- Flexible Metadata Taxonomy
- Data Crawling
- Scalability

Discoverability

- API layer
- SQL Queries
- Conversational Interface

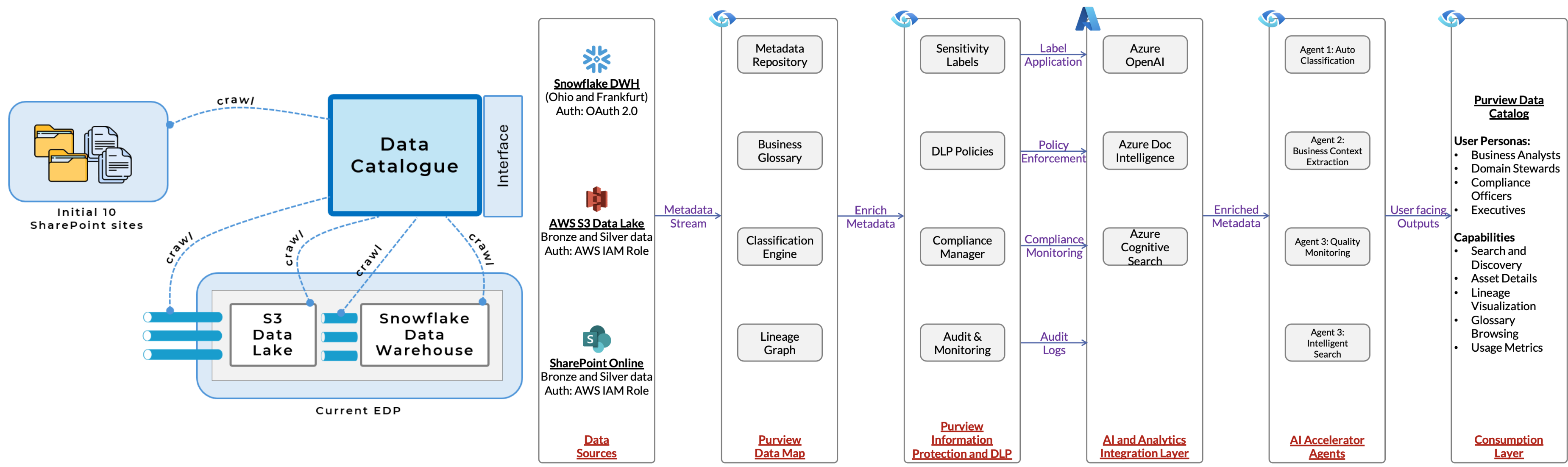## AI-based Recommendation and Metadata Population

- Recommendations
- Automated tagging
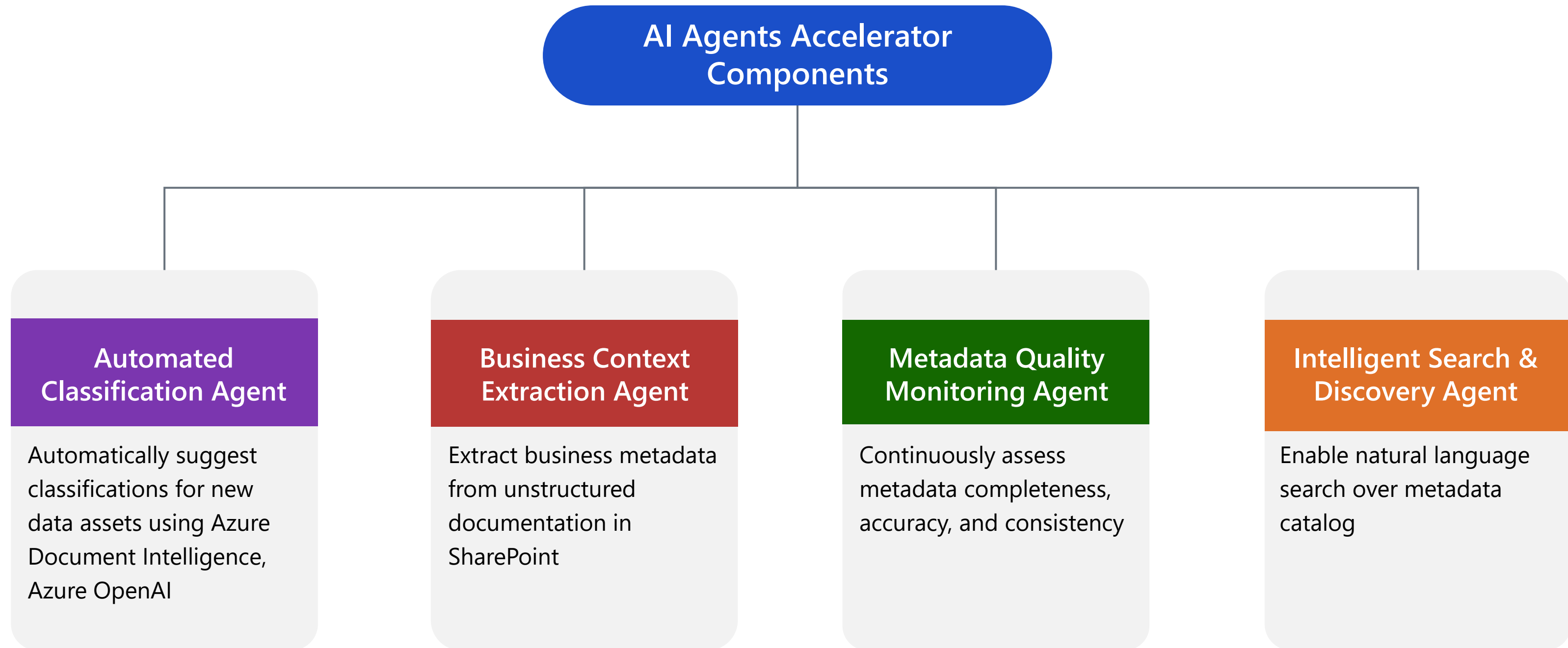- Scanning and new tags identification
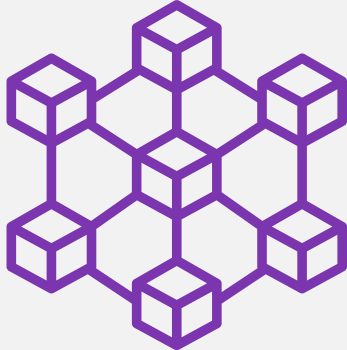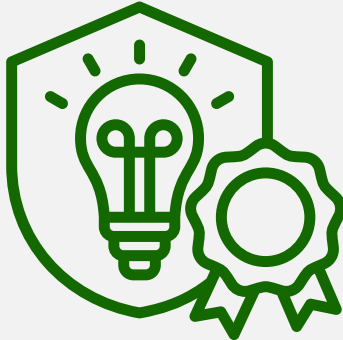
Data Governance

- API layer
- SQL Queries
- Conversational Interface

Purview Solution Architecture

Initial 10 SharePoint sites

crawl

Data Catalogue

Interface

crawl

crawl

crawl

crawl

crawl

S3 Data Lake

Snowflake Data Warehouse

Current EDP

Snowflake DWH
(Ohio and Frankfurt)
Auth: OAuth 2.0

AWS S3 Data Lake
Bronze and Silver data
Auth: AWS IAM Role

SharePoint Online
Bronze and Silver data
Auth: AWS IAM Role

Data Sources

Metadata Stream

Metadata Repository

Business Glossary

Classification Engine

Lineage Graph

Purview Data Map

Enrich Metadata

Sensitivity Labels

DLP Policies

Compliance Manager

Audit & Monitoring

Purview Information Protection and DLP

Label Application

Policy Enforcement

Compliance Monitoring

Audit Logs

Azure OpenAI

Azure Doc Intelligence

Azure Cognitive Search

AI and Analytics Integration Layer

Enriched Metadata

Agent 1: Auto Classification

Agent 2: Business Context Extraction

Agent 3: Quality Monitoring

Agent 3: Intelligent Search

AI Accelerator Agents

User facing Outputs

Purview Data Catalog

User Personas:
• Business Analysts
• Domain Stewards
• Compliance Officers
• Executives

Capabilities
• Search and Discovery
• Asset Details
• Lineage Visualization
• Glossary Browsing
• Usage Metrics

Consumption Layer

AI Agents – Solution Accelerator Components

```
                    ┌─────────────────────────┐
                    │  AI Agents Accelerator  │
                    │       Components        │
                    └─────────────────────────┘
```

Automated Classification Agent	Business Context Extraction Agent	Metadata Quality Monitoring Agent	Intelligent Search & Discovery Agent
Automatically suggest classifications for new data assets using Azure Document Intelligence, Azure OpenAI	Extract business metadata from unstructured documentation in SharePoint	Continuously assess metadata completeness, accuracy, and consistency	Enable natural language search over metadata catalog

Purview Implementation

Aligning Purview and Microsoft stack with customer needs	Microsoft Purview Data Map Architecture	Microsoft Purview Information Protection & DLP	AI & GenAI Capabilities with Microsoft Purview	Azure Services Integration Architecture

Microsoft Purview Data Map Architecture

1. Data Discovery & Scanning
2. Classification of sensitive Data Detection
3. Business Glossary & Taxonomy Management
4. Data Lineage Tracking

Microsoft Purview Information Protection & DLP

1. Sensitivity Labels & Protection Policies
2. Data Loss Prevention
3. Compliance Manager Integration

AI & GenAI Capabilities with Microsoft Purview

1. AI Driven Metadata Management
2. Data Security Posture Management

Azure Services Integration Architecture

1. Azure AI Foundry
2. Microsoft 365 Copilot Readiness

Case Studies

Data Governance at Scale

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Overview

Global Pop-Health Org serving 190+ member countries via 70 programs on 1500+ Health Indicators.

Key Challenges

- Complexity in Data Ownership (since 70 programs owned the data)
- True Origin of Data was hard to map for Data Lineage
- Governance spanned to policies and rules for 'Infrastructure' and not just Data
- Challenging to create Business Glossary & Business Metadata as origin of data was hard to identify

Solution

- Governance achieved using a mix of Tools
- Source of the Data (country the department of origin) was manually updated
- Azure Purview was used to:
  - Catalog all data along all stages
  - Data Lineage
  - Business Glossary (manually updated)
- Azure Active Directory was used for Identification and Management and RBAC
- Azure Catalog Tags were used to Tag Azure resources (infrastructure governance)
- Azure DW was engineered to handle Security of Sensitive (e.g., PII) data

MS Purview Experience
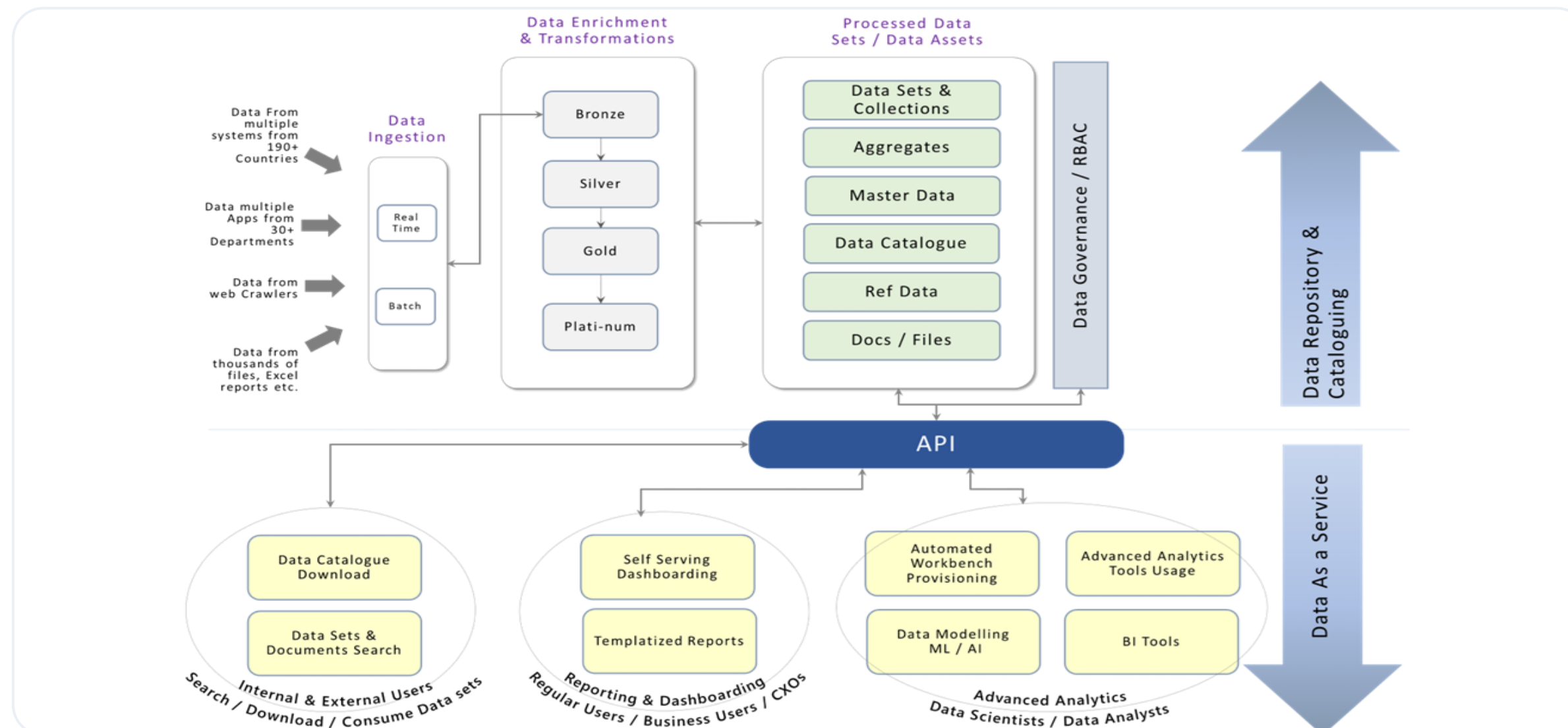
Data Governance Transformation For a Large Regional Healthcare System.

A 15-hospital, 80-clinic healthcare network used Microsoft Purview with automated PHI classification, DLP, and MDM to unify data, eliminate HIPAA violations, boost accuracy to 94%, speed decisions, and improve physician satisfaction—directly aligning with Vantive's healthcare governance goals.
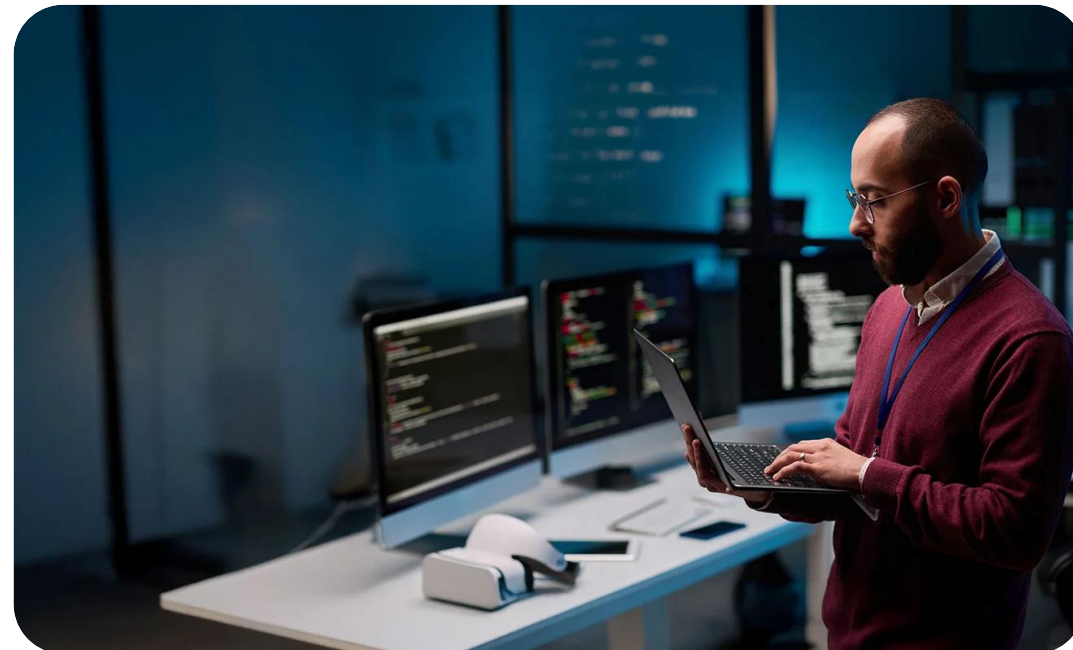
Microsoft Purview for Multi-Cloud Governance For a US based Community Bank.

A $10B community bank with 500 employees implemented Microsoft Purview across Snowflake, Jack Henry, and SQL Server with automated glossary, lineage, and ServiceNow integration—achieving full SOX compliance, cutting data access time from 8 weeks to 3 days, saving $1.3M, and reducing data incidents by 90%, aligning with Vantive's multi-cloud governance goals.


Pre-Auth Validation Technology Platform For a Healthcare SaaS platform.

A healthcare SaaS serving 500 enterprises and 15M+ patient records used Microsoft Purview with automated PHI classification, DLP, EDM, and EHR integration—reducing SOC 2 prep from 3 months to 3 weeks, enabling rapid, precise, and balanced governance aligned with Vantive's healthcare compliance and 24-week deployment goals.

Other Purview integration services

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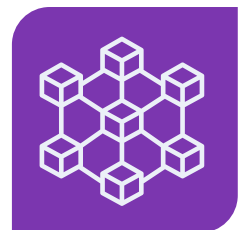Extending AI-based Metadata Detection to Data Pipelines
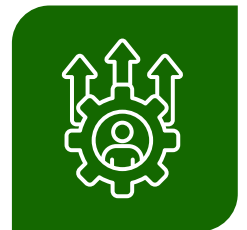
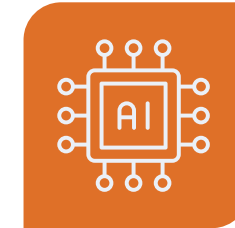Integration capabilities with upstream systems

Integration with Consumption systems

Use Case-Specific Metadata

BU Specific Taxonomy

AI Agent Framework for Metadata Management

Model Context Protocol (MCP) Integration

Connector Development for Non-Native Systems

Data Mesh Architecture

Advanced Compliance Automation

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Thank you.

Enhancing Lives by Transforming Businesses through Innovation

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