



Automate governance and data compliance

Reference Architecture



Automate governance and data compliance



Automate compliance, data privacy data classification to reduce manual effort and errors



Safeguard and manage sensitive data across its lifecycle, wherever it lives



Improve data visibility across agencies for informed decision-making



Integrate Data for Unified Insights across the Data Governance lifecycle



AI-driven posture insights for sensitive data, allowing security teams to identify, classify, and secure data

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Use Case: Launching a citizen services portal with sensitive data that requires protection and compliance

Modernized AI enabled business process Flow

Stage	Microsoft Features	Gen-AI Enhancements	Value
Data Classification	Purview Info Protection	Semantic AI classification, Policy recommendations	Prevents data leaks by auto-labeling sensitive info.
Risk Assessment	Defender for Cloud Apps, Conditional Access	Predictive risk scoring, Adaptive policies	Reduces breach risk with adaptive access controls.
Govern Data	Purview Data Security Posture management for AI	Adds one-click policies to capture prompts/responses for Security Copilot and Copilot in Fabric , extend DLP to AI prompts, and provide analytics	Consolidates investigations, legal hold, and retention in Purview, while the resulting alerts/insights can feed the SOC.
Compliance	Purview Compliance Manager	Plain-language compliance reports, Gap analysis	Ensures audit readiness and regulatory adherence.
Continuous Improvement	Security Copilot	Attack simulation, Security posture Q&A	Enhances resilience through proactive threat simulations.

Microsoft Purview



Secure and govern data for the era of AI

Data security

Dynamically secure data throughout its lifecycle

- Data Loss Prevention
- Insider Risk Management
- Information Protection
- Data Security Investigations
- Data Security Posture Management

Data compliance

Manage critical risks and regulatory requirements

- Compliance Manager
- eDiscovery and Audit
- Communication Compliance
- Data Lifecycle & Records Management

Data Governance

Responsibly unlock value creation from data

- Data Catalog
- Data Quality
- Data Management
- Data Estate Health

Unstructured & Structured data

Traditional and AI generated data

Microsoft 365 and Multi-cloud

Shared Capabilities Value

Data Map | Connectors | Classification | Labels | Audit | Visibility

Data estate

Secure + govern the data estate

Outputs
(examples)



Azure AI Foundry



Copilot Studio



Power BI

Data Health Management

Manage data health

Data Quality

Data Lineage

Data Health Actions

Data Catalog

Curate data into a searchable Catalog



Sales



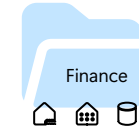
Marketing



Human Resources



Operations



Finance



Sustainability

[MIP + DLP] Data Security

Prevent data oversharing

Protect data against leaks + insider

Comply with regulatory requirements

Secure the source data



Fabric



Azure Data Lake Storage



Azure SQL DB



Azure Cosmos DB



Azure DB for PostgreSQL



Azure DB for MySQL



Azure Databricks



Snowflake



Amazon S3



Google Cloud Storage



AI apps + agents

Purview for AI

Runtime Data

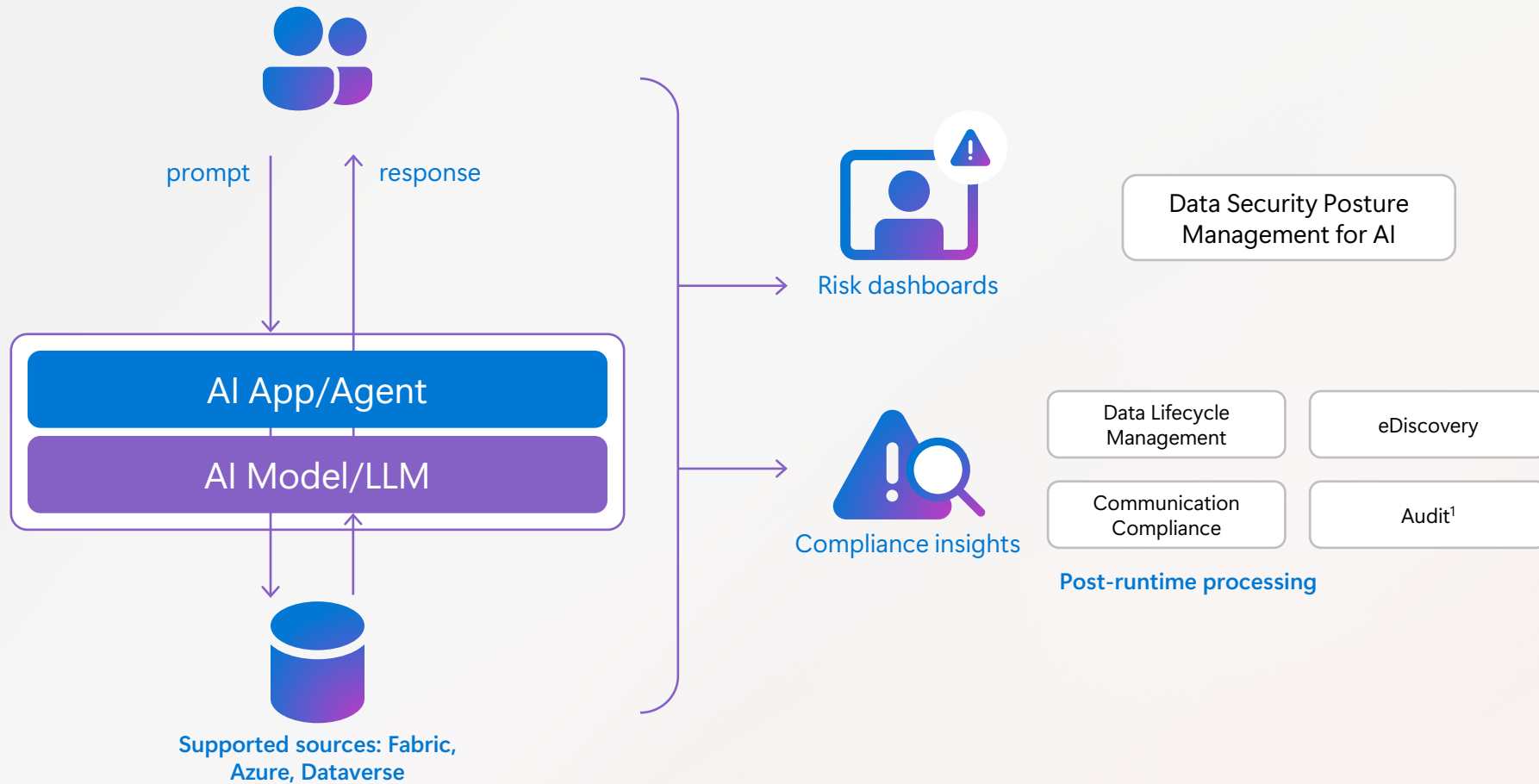
Insider Risk Management

[MIP + DLP] In transit Protection

At Rest/ knowledge Data

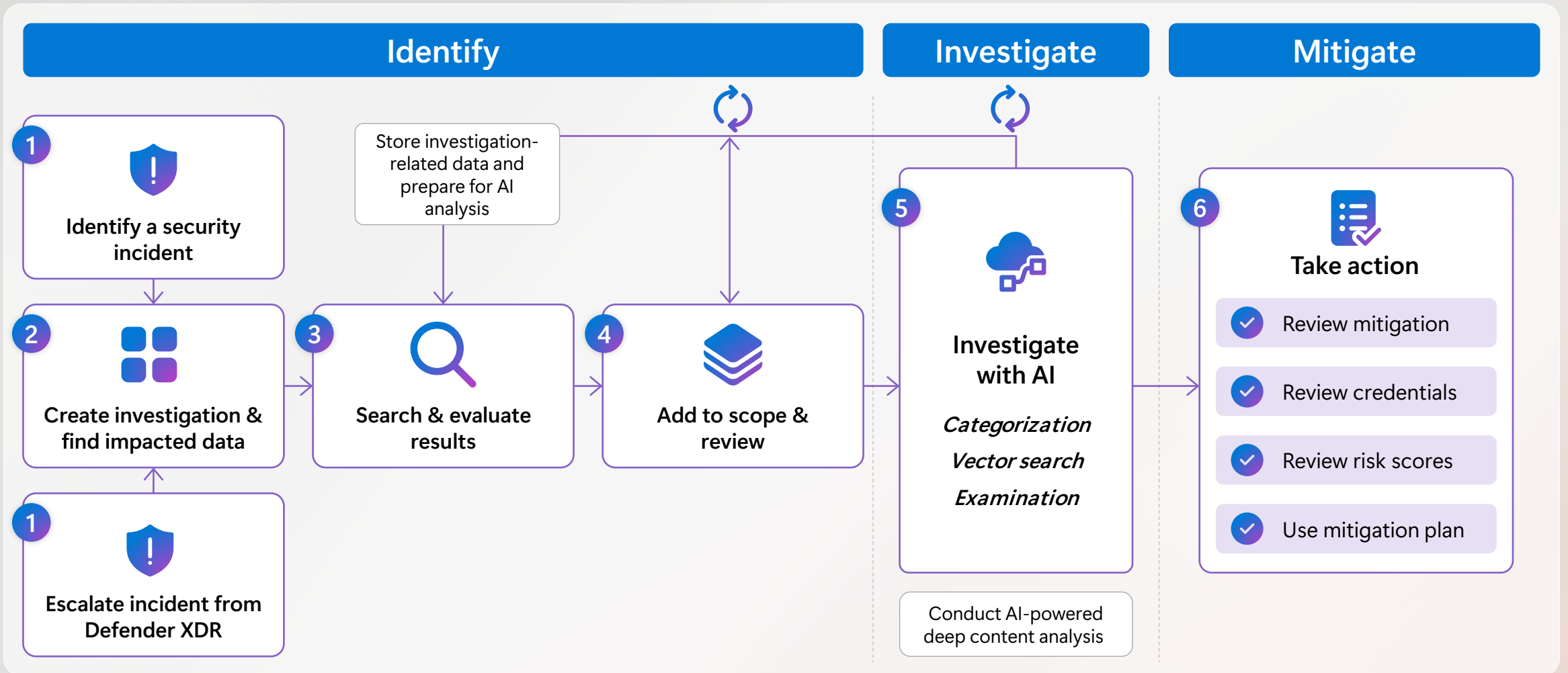
MIP + DLP At rest Protection

Insider Risk Management



M365

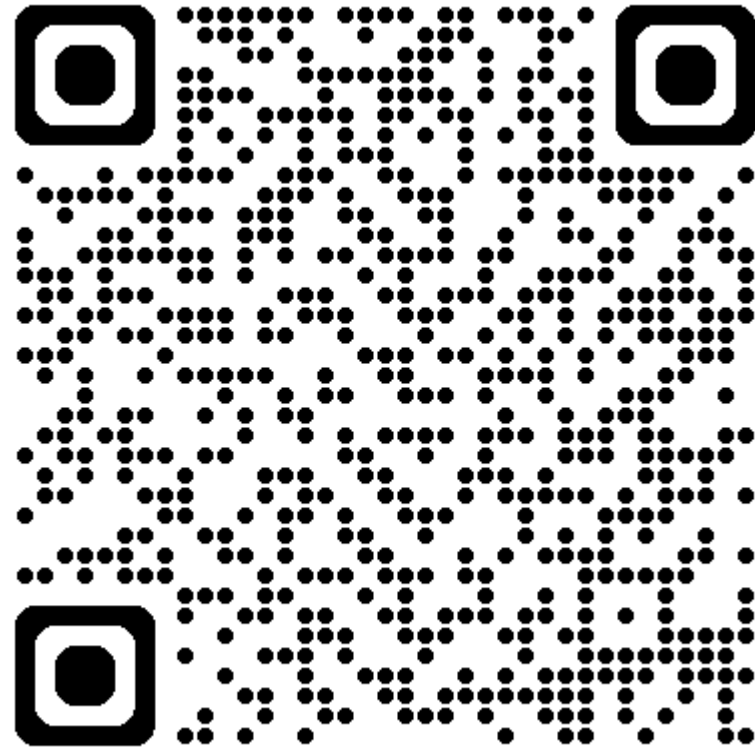
Data Security Investigations



Public Sector Skilling Resources

Public Sector Center of Expertise and Digital Skills

Tools and insights to drive digital innovation within the public sector. Discover valuable lessons, expert insights, skill-building resources, and best practices designed to accelerate your AI and digital transformation journey.





Thank you