

SOLUTION BRIEF

Supercharging Microsoft Purview with Symmetry Systems

Challenges

When Purview's Potential meets Real World Complexity

Enterprises that have made **substantial investments in Microsoft E3 or E5** often expect Purview to serve as a **cornerstone for data protection and compliance**. In practice, however, many encounter roadblocks that stall momentum:

- Embedding Purview labels at scale requires **specialized configuration**, often demanding more effort than anticipated.
- **Inflexible re-indexing processes** delay response times and degrade confidence in classification fidelity.
- **Purview's coverage stops at the Microsoft ecosystem**—leaving critical SaaS apps, cloud services, and on-premise data stores outside its view.

Without enhanced discovery, intelligent classification, and multi-cloud reach, Purview implementations can underdeliver on their strategic promise—leaving sensitive data exposed and security operations strained.

Barriers that Stall Purview Success

High Set Up Overhead

Initial setup and configuration require significant resources and expertise.

Slow Feedback Loops

Updates to classifications or metadata often require full re-indexing

Weak Identity to Usage Linkage

Limited insight into who has access to what data, and what they are actually using.

Microsoft-Centric Footprint

Purview is limited to Microsoft ecosystems (including some partners such as Snowflake).

Limited Remediation of Systemic Issues

Native capabilities around remediation and linking identity to data usage are limited.

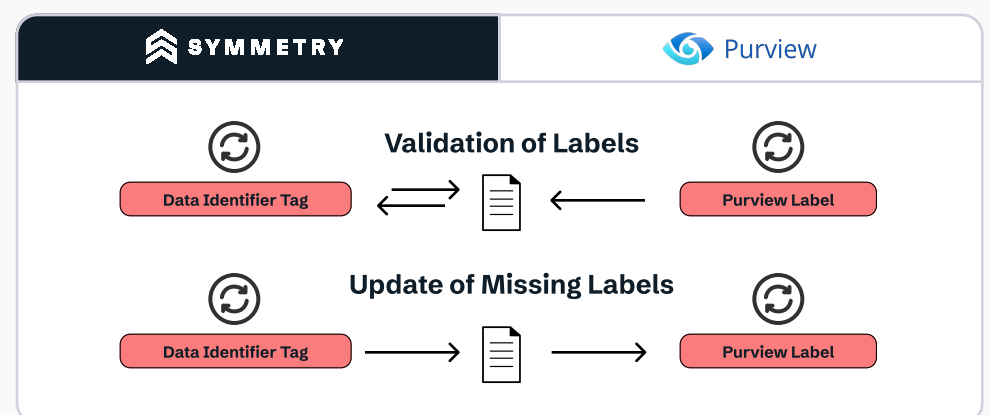
Scale Constraints

Physical asset limits and scan size caps can restrict scalability.

The Symmetry Solution

Advanced Analytics Engine to Manage Purview at Scale

Symmetry Systems' modern Data+AI security platform provides unmatched visibility into your data, access, and its use across your environment. Through a seamless bidirectional integration with Microsoft Purview, it supercharges Microsoft Purview - finally allowing it to live up to those promises,



Our platform can display existing Purview sensitivity labels, and compare it to the 200+ built-in classifiers and any custom classifiers developed in conjunction with Symmetry, including niche categories such as medical, genomic, or secrets data. Symmetry supports the automated and near real-time updates of Purview Labels, including label changes and removals based on content changes. Symmetry solves the challenges from overzealous manual labelling and the high false positive rates from Purview, ensuring better data classification and therefore better data security

Benefits

Symmetry doesn't just ingest Purview labels - it validates them, corrects them and acts on them. Enabling safe blocking, confident labelling and real time response across your data estates.

> Operational Clarity Beyond Purview's Native Limitations

Symmetry provides critical visibility that Purview lacks: who has access to your sensitive data and what they're actually doing with it, rather than relying on purview to control when they try to do something with it.

> AI-Driven Classification Accuracy

Eliminate frustrating false positives and mislabeling that plague standard Purview deployments. Symmetry's 200+ built-in classifiers identify truly sensitive data, while significantly reducing alert fatigue and preventing legitimate business activities from being incorrectly restricted

> Cross-Platform Analytics Engine

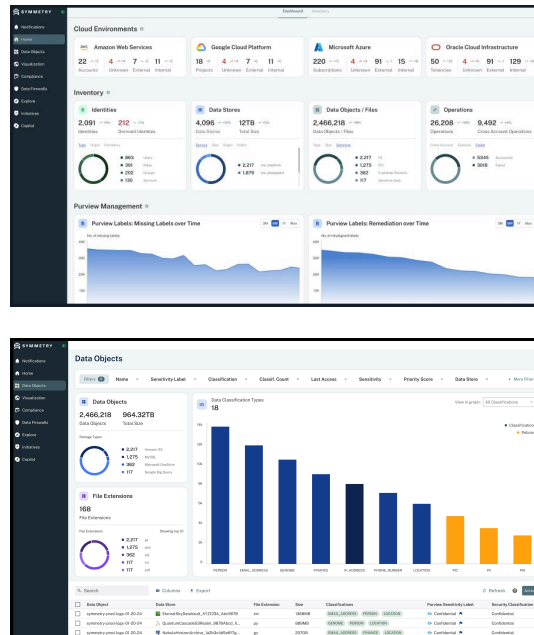
Extending visibility and Labelling and control beyond the Microsoft ecosystem to AWS, GCP, SaaS, and even on-premises systems.

15 mins to set up, 1 day to start fixing Purview Labels

Symmetry's Data Security Platform

Our platform is engineered specifically to address modern data security and privacy challenges at scale from the data out, providing organizations the ability to innovate with confidence. With total visibility into what data you have, where it lives, who can access it, and how it's being used,.

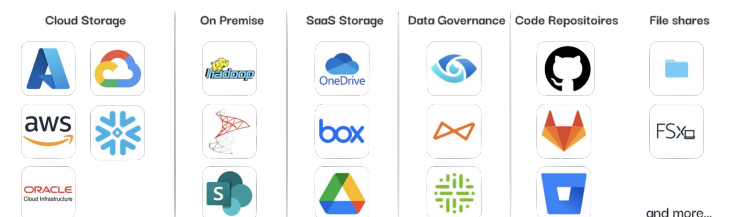
Symmetry safeguards your organization's data from misuse, insider threats, and cybercriminals, as well as unintended exposure of sensitive IP and personal information through use of generative AI technologies.



Features

Multi-Cloud Data Security

Symmetry delivers enterprise-grade data security through a unified control plane spanning AWS, GCP, Azure, OCI, on-premises infrastructure, SaaS applications, and code repositories. The platform discovers and classifies both structured and unstructured data across hybrid environments using AI-powered detection engines. By intelligently mapping data locations, enforcing granular access policies, and continuously monitoring usage patterns, the solution provides centralized visibility and proactive mitigation of security risks before they impact business operations—all from a single management console.



Enabling Purview Rollout

Challenges

Microsoft Purview implementation, causing security teams to waste resources on non-issues. Ongoing struggles with a lack of unified visibility across on-premises systems, Azure environments, and key SaaS applications. Limited visibility outside Microsoft Stack left critical data stores unprotected, while fragmented data protection capabilities created security gaps and operational inefficiencies.

Solution

Symmetry deploys its data security platform with bi-directional Purview integration, extending protection beyond Microsoft environments while significantly reducing false positives through it's enhanced data identifiers and classifiers. The solution unifies visibility across all environments and correlated data access patterns with permission structures to enforce least-privilege principles.

Results

With Symmetry's precise classification, organization's gain the confidence to activate Purview in blocking mode without disrupting business operations—something previously considered too risky due to false positives.

Automated Data Classification and Precision Labelling

Symmetry analyzes and categorizes data, automatically applying the right classification level and label to each information asset. By dynamically rightsizing labels based on actual content sensitivity, we eliminate both over-classification that impedes productivity and under-classification that creates security risks. This precision approach ensures compliance while optimizing data protection resources across your organization. while enabling programmatic purview label application through it's powerful configurable data classification policies.

Data Object	Data Store	File Extension	Size	Classifications	Purview Sensitivity Label
symmetry-prod-logs-01-20-24	EternalSkyDataVault_XYZ1234_Abc5678	txt	136MB	EMAIL_ADDRESS PERSON LOCATION	Confidential
symmetry-prod-logs-01-20-24	QuantumCascadeS3Realm_9876Abcd_X...	py	889MB	GENOME PERSON LOCATION	Confidential
symmetry-prod-logs-01-20-24	NebulaHorizonArchive_1a2b3c4d5e6f7g...	gz	207GB	EMAIL_ADDRESS FINANCE LOCATION	Confidential
symmetry-payroll-info-2023-q3	CelestialArchiveHub_XYZ0987_Abc123...	pdf	118GB	LOCATION PERSON CRYPTO	Confidential
symmetry-payroll-info-2023-q3	InfiniteGalaxyDataReservoir_Abc123_X...	docx	304MB	CRYPTO SSAN_CODE LOCATION	Confidential
symmetry-payroll-info-2023-q3	HyperNovaEpicS3_1234Abcd_XyZ5678...	ppt	103GB	US_MCN PERSON DRIVERS_LICENSE	Confidential
symmetry-payroll-info-2023-q3	TimelessCosmicDataDepot_Abc5678_X...	exe	207GB	EMAIL_ADDRESS PERSON LOCATION	Confidential
symmetry-payroll-info-2023-q3	AstralInfinitaDataExpanse_XyZ1234_A...	tar	103MB	BIRTH_DATE PERSON GENOME	Confidential
symmetry-payroll-info-2023-q3	QuantumFluxDataVerseData_1234Abcd...	gpg	10B	COARSE LOCATION EMAIL_ADDRESS	Confidential
symmetry-payroll-info-2023-q3	EveLensingCosmosS3Storage_Abc567...	parquet	10GB	RAW_SECRET PERSON LOCATION	Confidential

Visit AWS Marketplace or www.symmetry-systems.com to purchase or request a free trial today.