

ARCHITECTURAL COMPARISON & VALUE ANALYSIS

Purview Governs the Environment. XQ Protects the Data.

Bridging tenant boundaries, multi-cloud gaps, and visibility blind spots with persistent cryptographic security.



Microsoft Purview



XQ Data-Centric Security



The Core Strategic Imperative

TENANT DATA



Purview Identifies Sensitivity

Purview establishes data classification and compliance policies inside the 365 tenant perimeter.

MICROSOFT PURVIEW

Workspace-Centric Defense

Enforces policy within Microsoft collaboration environments and trusted tenant networks.

ZERO TRUST DATA OVERLAY



XQ Enforces Everywhere

XQ attaches labels, encryption & policies directly to objects, securing payloads across multi-environment pipelines.

THE XQ ADVANTAGE

Data-Centric Boundary

Makes the data object its own encrypted, verifiable security boundary everywhere.



Governance vs. Granular Protection

The customer says:

“Purview is where we manage our labels and Microsoft security controls, but we need a better way to discover and classify the enormous amount of sensitive data outside—or extending beyond—our core Microsoft estate.”

TENANT DATA

Microsoft Purview Focus

Tenant Perimeter: Safeguards internal Office files.

Metadata Tagging: Labels identify content risk.

Ecosystem Scope: Built for collaboration tools.

ZERO TRUST DATA OVERLAY

XQ Extension Layer

Universal Scope: Governs data across environments & tenants.

Object Encryption: Embeds policy directly into data.

Agnostic Formats & Environments: Snowflake, AWS, Azure SaaS, databases, data lakes, Microsoft 365, AI and analytics environments.



Governing Across Environments & Tenants

XQ governs data ubiquitously across clouds, platforms, and analytics pipelines.

The Core Shift: The question changes from "Does the destination support Microsoft rights management?" to "Does the recipient have authorization to unlock this XQ payload?"



Snowflake, AWS & Azure

Multicloud lake and warehouse security.



Microsoft 365 & SaaS

Granular ABAC enforcement within beyond tenant perimeters.



Databases, APIs & AI Agents

Object encryption for telemetry streams.



Blast Radius & True Access

Audit Impact: Knowing sensitive files exist without knowing who can touch them violates compliance regulations.



Purview Visibility

Identifies sensitive content types.
Blind to nested permissions.

PASSIVE IDENTIFICATION



XQ Blast Radius

Maps exact effective access.
Blast radius on one data object.

FULL ACCESS TRACKING



Automated Least Privilege

Instantly revokes excessive rights.
Zero business workflow disruption.

ACTIVE REMEDIATION

XQ POLICY GRANULARITY: Separating Receipt from Usage Rights

Data & IDP ABAC & RBAC

Authorized partner identity confirmation.

Geographic Boundary

Enforced physical location restrictions.

Automated XQ Policies

AI generates data access policies saving time.



Record-Level Segmentation at Scale

Physical Possession ≠ Access

A third-party partner can host data storage without acquiring decryption capabilities.

Key management stays completely sovereign.

Folder-Level Coarseness

Broad repository access allows all group members to view sensitive records indiscriminately.

Risk: Accidental data overexposure

Instant Access Termination

When temporary contractor terms expire, revoking authorization immediately renders data unusable.

Zero file retrieval required.

Object-Level Precision

Individual file & database records receive dedicated encryption keys based on classification tags.

Result: Isolated CUI, ITAR, and PII routing

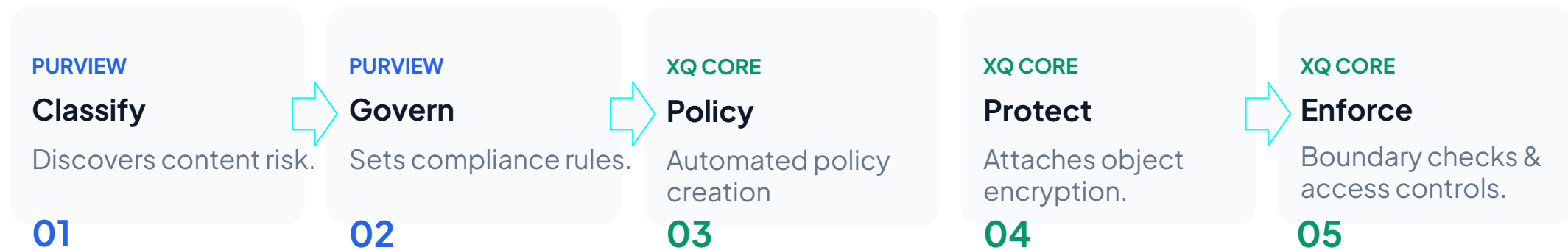


Strategic Evaluation Framework

Capability Requirement	Microsoft Purview	XQ Platform
M365 Content Collaboration	Industry Standard	Ecosystem Supported
Database Record-Level Sharing	Limited Scenarios	Core Architectural Focus
API & Data Pipeline Payloads	Requires Third-Party Bridging	Native Protocol Support
Cross-Cloud Trustless Chains	Tenant Centric Model	Full Destination Independence
External Recipient Onboarding	Entra ID / Guest Required	Zero Federation Required
Dynamic Attribute-Based Access Control (ABAC)	MSFT only	Data type Agnostic
Admin/Data Decoupling:	Not Available	Removes Infrastructure administrators
Post-quantum cryptographic readiness	None	Automated Key Lifecycle
AI Pipeline Protection	Complete access	Shield Data From Copilot



The Combined Data Lifecycle



Enhancing Purview Classification & Control

1

Silent Background Scan

No user prompts required.

2

Automated MIP Tagging

Applies Purview labels natively.

3

Persistent Enforcement

Access enforcement follows the data through its lifecycle.

Customer-Controlled Keys

Maintain Independent Control of Your Data—Even Within Microsoft

Geofenced Key Custody

Jurisdiction-Aware Policies & access controls.

Micro-Encryption

Policies bound to record level credentials

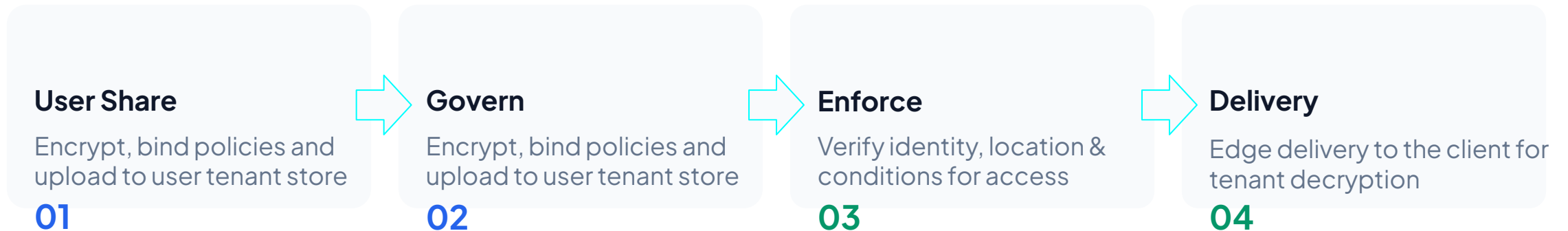
Strategic Symbiosis: XQ removes manual tagging friction and increases Purview's effective label coverage rate across the enterprise.

Sharing Adds Zero Infrastructure Overhead

0

Guest Entra Accounts Required

Data access is authenticated independently of recipient identity domains or federation status.



Mission Compliance & Data Sharing Impact



Continuous Compliance

Regulatory Assurance

Mandate Compliance: Satisfies NIST HIPAA, CUI, PII, GDPR, CJIS and ITAR.

Complete Audit Trail: Cryptographic provenance across multicloud pipelines.

Zero Blast Radius: Payloads stay encrypted in compromised clouds.

Data Sovereignty Immunity: Continuous sensitive data border enforcement.



Fiscal Efficiency

Overhead & Licensing Reduction

Zero Guest Fees: Cuts guest identity and licensing overhead.

80% Admin Reduction: Eliminates manual cross-tenant enclave configurations.

Multi-Format Scope: Natively secures telemetry, databases, and APIs.

Zero Custom Code: Native protection for apps and databases.



Mission Velocity

Multi-Organization & Contractor Sharing

Instant Contractor Sharing: Onboards contractors in minutes.

Cross-Boundary Trust: Securely transfers payloads across unvetted networks.

Deterministic Revocation: Automatic cryptographic cutoff at contract end.

Automated Classification: Automatic data detection and labeling



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Data-Centric Zero Trust Beyond the Boundary — Persistent cryptographic protection, policy enforcement, and key sovereignty wherever data travels.



Microsoft Purview



XQ Data-Centric Security

