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The New Enterprise Data Reality



Explosive Growth in Data Complexity & Volume

80–90% of enterprise data is now unstructured, scattered across servers, cloud, SaaS, and shadow IT

Al is accelerating this. Today, it is estimated that 90% of new data is Al-generated

Secrets, configurations, and sensitive content are buried in documents, emails, source code, and logs



Modern Risks Enterprises Now Face

Secrets Sprawl: Hardcoded keys, unmanaged API tokens, and untracked service accounts proliferate across DevOps pipelines and cloud environments

Al-Driven Risks: LLMs can inadvertently ingest sensitive or toxic data from enterprise file shares

Quantum Threats: Advances in quantum computing are threatening current encryption techniques



Why Legacy Models Fall Short

Traditional tools focus on structured data (e.g., databases), leaving unstructured files and application-level secrets blind

Siloed solutions (DLP, SIEM, IAM) don't adequately address unified visibility or lifecycle protection

Audit trails are incomplete, classification is inconsistent, and response time is too slow



Focus on Data Security



Deep Visibility

Enables comprehensive awareness of where sensitive data lives, how it moves, and who interacts with it—laying the groundwork for informed decisions and effective risk reduction



Risk Reduction

Ensures that potential threats are surfaced and prioritized in real time, allowing for faster, smarter responses and minimizing the chance of data exposure or misuse



Protect

Focuses on enforcing security at every point in the data lifecycle—through automation, integration, and resilience—so that data remains safe no matter where it resides or how it's used



Control

Brings order to complexity by governing data access and usage, ensuring that only the right people have the right permissions at the right time



The Evolution of Data Security Posture Management

Complimenting end-to-end visibility and control with appropriate protection and risk mitigation

Data Security Posture Management

Data Security Platform

Then

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Encryption, Tokenization & Data Masking

Key and Secrets Management

Access Controls

Monitoring and Auditing

Now



Risk Assessment and Posture Management

Access Governance

Automated Remediation

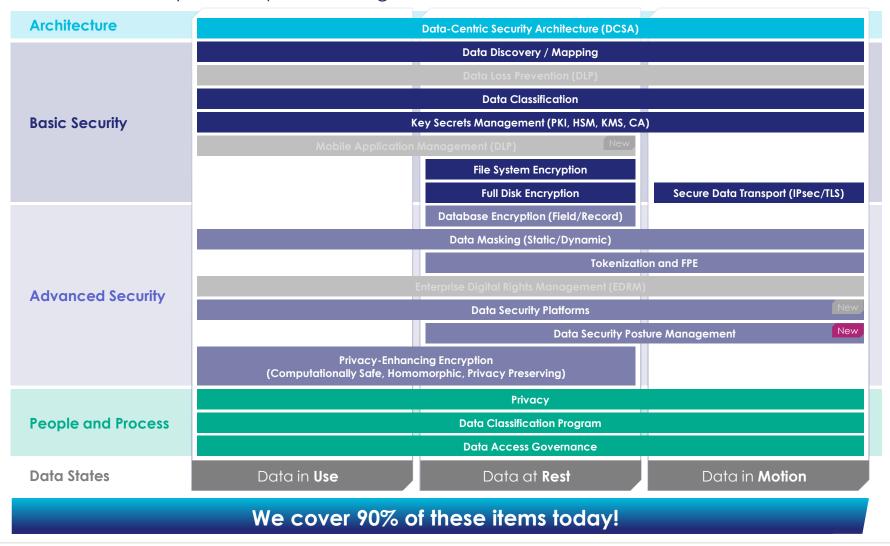
Integration with Security Ecosystems

Data Lineage and Flow Tracking



Gartner Definition of a Data Security "Stack" for Large Enterprises

GTP Data Security Core Topic Coverage







Thales Data Security Platform

Expanded Use Cases

Addressing more customer needs with the broadest technology portfolio...



Data discovery & classification



Data risk prioritization



Data activity monitoring



Compliance & breach management



Encryption & tokenization



Static & dynamic data masking



DevSecOps



Enterprise & multi-cloud key management



Secrets management



Network security



underpinned with a foundation of trust.





Our Focus on Data Security and Key Investment Areas



Deep Visibility



Structured & Unstructured Classification and Activity Monitoring



Data Mapping/Lineage & Shadow Data Detection



Risk Prioritization



Risk Scoring(Using posture, behavior, and encryption assessments)



Crypto and Encryption Key Assessment



Protect



Confidential Computing



Agentless Blocking



Control



Crypto Agility



Post-quantum Readiness

Data Security Posture Management

Data Security Governance

POSITION CIPHERTRUST AS THE BENCHMARK FOR DSP LEADERSHIP AND THE CATALYST FOR DSPM INNOVATION



2025 Data Security Products: Strategic Priorities





CipherTrust Data Security Platform: Roadmap

Data Risk Intelligence (DRI)

File Activity Monitoring (FAM) O365, Google Drive

Al Chatbot

Post-Quantum Readiness

One Unified Platform



Converged UI/UX
FAM-aaS
DRA expansion
Teams, Azure Blobs, Exchange Online

Cybersecurity-aa\$



Q3 2025



Q4 2025



H1 2026



H2 2026 & Beyond



Expanding FAM coverage

File Entitlement Management
AWS S3, OneDrive, SharePoint, Salesforce
Automatic deployment in Azure



Unified Data Governance

Threat Response
Third-party DDC ecosystem
Key and Secrets Posture Management
Al Security Posture Management, including
Data Lineage



The Importance of Monitoring Unstructured Data

High Risk of Leaks

Unstructured data often contains sensitive information (e.g., personal data, trade secrets, financial information) that can be easily exposed in the event of a breach



Compliance and Legal Risks

Regulations like GDPR, HIPAA, CCPA, and PCI DSS require organizations to secure sensitive data, much of which resides in unstructured formats (e.g., emails, contracts, health records)



Visibility Challenges

Unlike structured data (e.g., databases), unstructured data is scattered across multiple locations, including endpoints, file shares, collaboration tools, and cloud services



OVER 80% of enterprise data is unstructured



Employees or contractors can unintentionally (or maliciously) expose or misuse unstructured data stored in shared drives, emails, or local machines

Missed Opportunities

Unstructured data isn't just a security risk — managed properly, it becomes a strategic asset; left unsecured or unmonitored, businesses miss chances to gain valuable insights







of IT leaders say they don't have

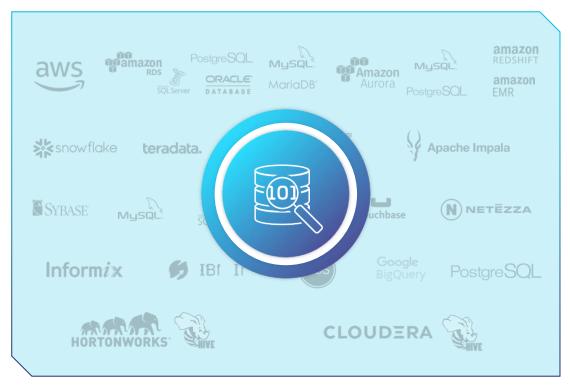
sensitive unstructured data lives*

complete visibility into where

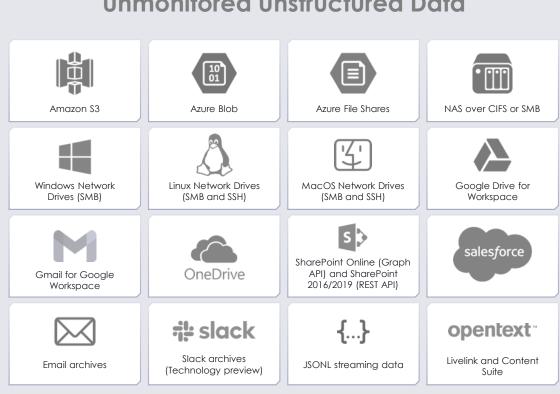
The Challenge of Monitoring to Unstructured Data

Historically, unstructured data has not been monitored because it lacks a consistent format, making it harder to classify, analyze, and secure with traditional tools

Structured Data Activity Monitoring

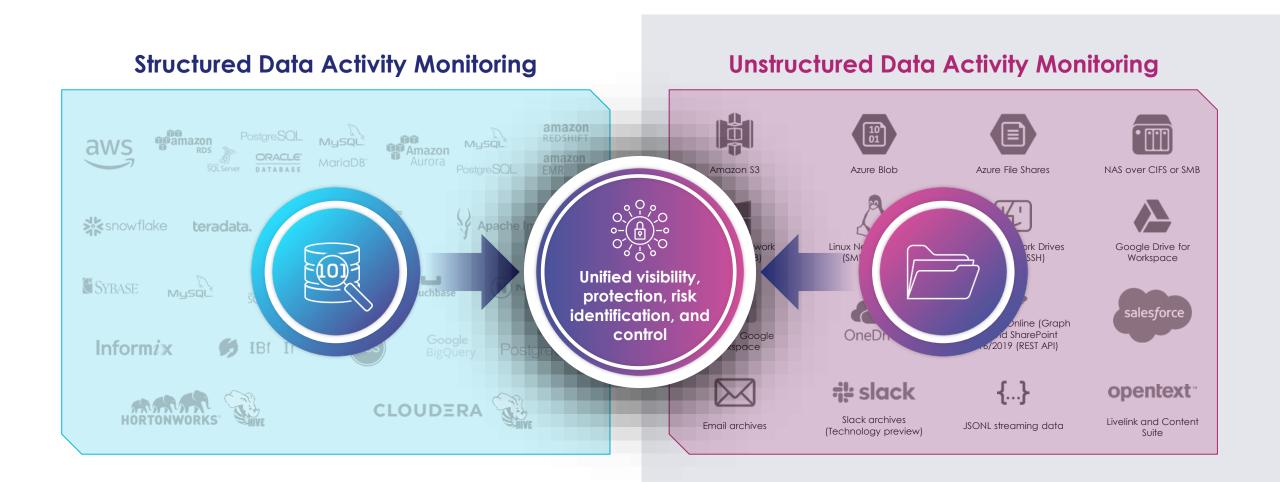


Unmonitored Unstructured Data



Extending Data Activity Monitoring to Unstructured Data

Unstructured data that was previously unmonitored can now be effectively tracked and audited

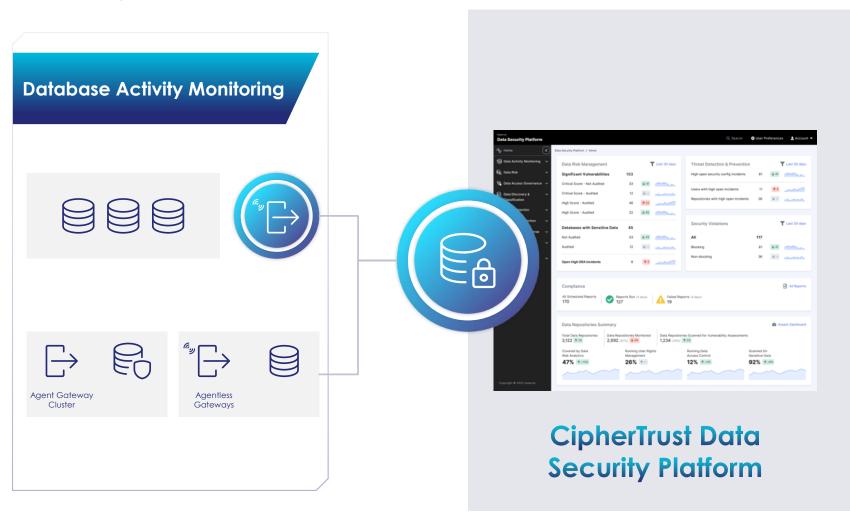




Introducing Thales File Activity Monitoring (FAM)

CipherTrust is the only platform from a single vendor that protects ALL data in the organization – structured, semi-structured, and unstructured





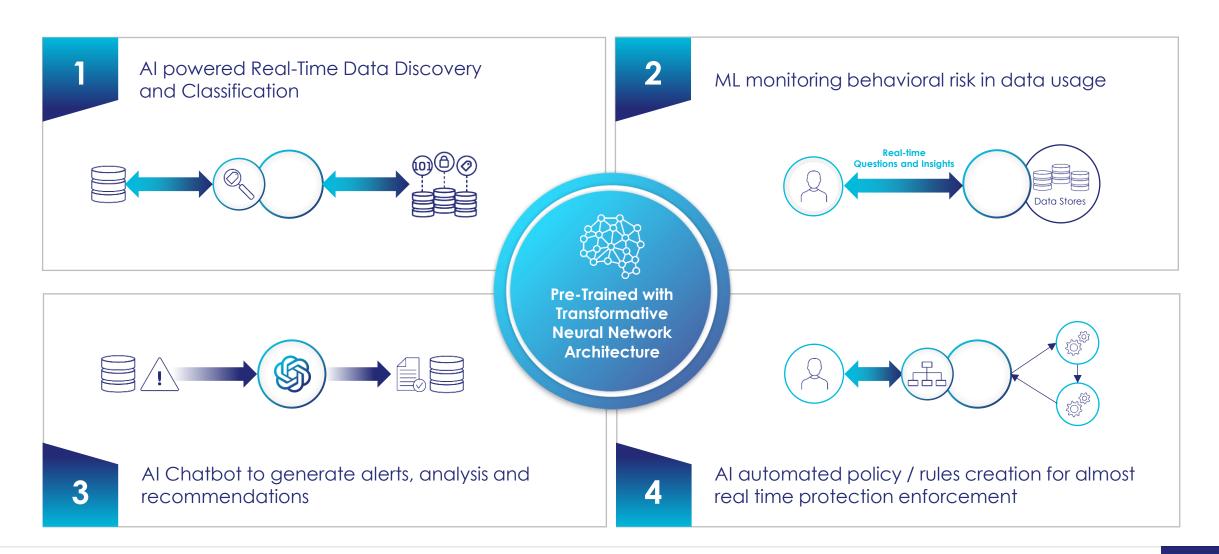


File Activity Monitoring Video





AI-Powered Security and Compliance Automation





DRI: Customize Risk Score According to Organization's Practice

Transparent Insights | Adjustable Weighting | Customizable Feeds | Eco-system (Zero Trust Integration)





Tackling Key and Secret Sprawl

Centralized secrets management for multiple cloud platforms and on-prem environments

Cloud provider solutions lack cross-platform support and central lifecycle control, creating gaps in coverage



Coverage Across Environments

Support hybrid and multicloud environments, enabling secure management of all secret types—static, rotated, and dynamic—across cloud, on-prem, and DevOps ecosystems



Full Control and DevOps Integration

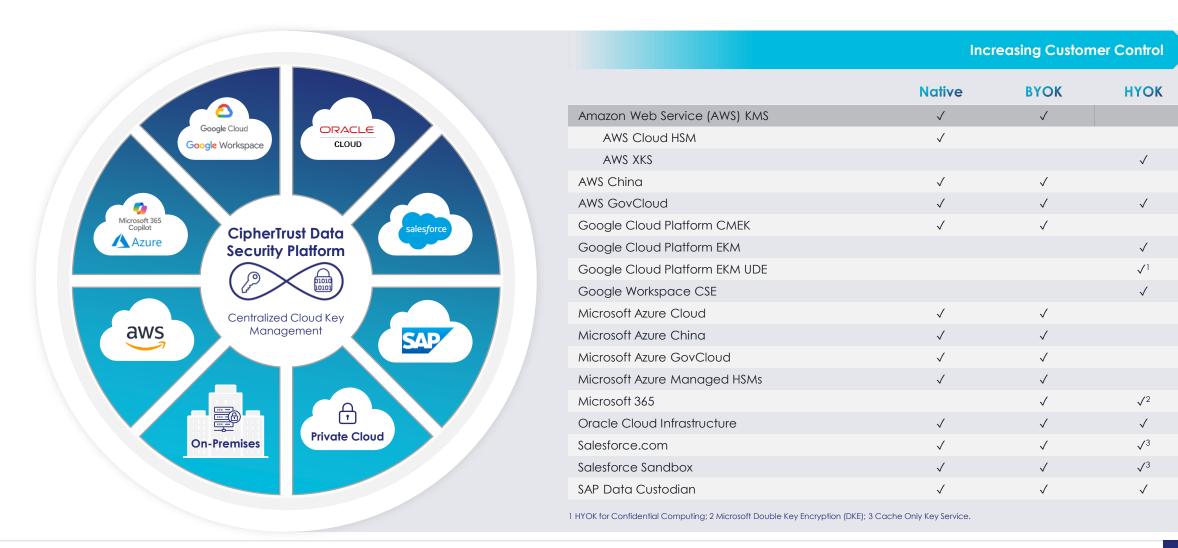
Secrets (and keys) managed consistently, seamless DevOps tool integration, and Just-in-Time secret creation—eliminate secret sprawl and embed security into CI/CD pipelines



Data Security Posture Management is most effective when embedded into CI/CD workflows, infrastructure provisioning, and runtime environments—not bolted on after deployment



Supported Cloud and Key Management Ownership Models





Journey to Post-Quantum Safety



Post-Quantum Data Security Posture Management

Quantum Threat is Real & Imminent

Harvest Now, Decrypt Later (HNDL) attacks are already occurring; NIST released the first PQC standards in August 2024, urging immediate transition



Minimize disruption, ensure regulatory compliance, reduce risk, and protect sensitive data by preparing cryptographic infrastructure in advance



CipherTrust: Rethinking DSPM for the AI & Quantum Era

Proactively manage and reduce data risk in a quantum and Al-driven world

Data Security Posture Management (DSPM) Use Cases



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Automate
Data
Discovery &
Classification



Access Control



Security
Posture
Management



Risk
Prioritization &
Remediation



Compliance



Data Lifecycle Monitoring



Key & Secret Posture Management



Post-Quantum Posture Management



Al Posture Management

Total Data Lifecycle Strategy

Visibility, classification, access tracking, and policy enforcement at every stage

From Tool Silos to Unified Data Awareness

A single interface to understand and secure data risk regardless of format or location

From Passive to Proactive

Real-time detection, risk scoring, and automated remediation, supported by Al-powered analysis



How We Are Winning in the Market – Common Use Cases



Digital Sovereignty

External Key Management

Multi-tenant per country or internal departments

Re-patriation of data



Centralized Key and Secrets Management Across Hybrid and Multi-clouds

Need for on-prem and cloud services



Insider Threat / Compliance Management

Monitoring on top of existing alerting (DLP) systems

Risk intelligence















Large Banks

Insurance



Readiness Starts Today

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Ensure "Life-Cycle" Data Security

Safeguard sensitive data from creation to deletion by applying consistent visibility, classification, access controls, and policy enforcement across every stage of the data lifecycle

Discover and Secure Unstructured Data

Uncover hidden risks by identifying sensitive content buried in documents, emails, and source code, and apply appropriate controls to reduce exposure and meet compliance requirements

Harden Your Posture for a Post-quantum World

Proactively prepare for quantum-era threats by transitioning to quantum-safe encryption and securing long-lived, high-value data before adversaries can exploit future decryption capabilities





