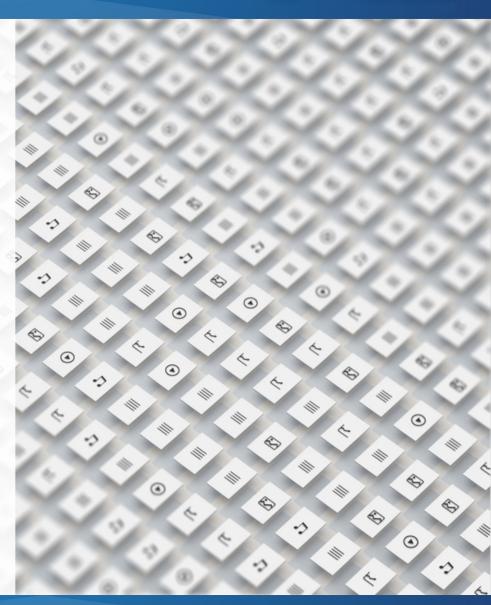


## Al-Powered Information Governance





June 2019





#### **IDENTIFY**



90%

of data in existence today was produced in the last two years<sup>1</sup>

70-80%

of the data created in the last two years is unstructured, unidentified, uncontained, dark data<sup>1</sup>

#### **CLASSIFY**



83%

of organizations store sensitive data in the public cloud<sup>1</sup>

1 in 4

Organizations have experienced data theft from the public cloud (found for both SaaS and laas) 1

#### **OPTIMIZE**



97%

of organizations use cloud services (public, private, or hybrid)<sup>1</sup>

66%

of IT professionals say security is their greatest concern when adopting a cloud computing strategy <sup>2</sup>

## Solution Overview



MinerEye interpretive Al™ is a fusion of Byte level pattern recognition and unsupervised clustering of patterns. MinerEye interpretive AI™ uses computer vision to read bytes of an exemplar file and create a signal a mathematical vector.

The exemplar & its signal *is* the rule



## See Beyond Data



#### Security

#### Compliance

## Tactical Value & Impact

## Strategic Value & Impact

- Identify
- Analyze
- Protect

- Classify
- Define
- Enforce

- Execute Mission
- Enhance Oversight

- Governance
- Cybersecurity

Identification

Locate data to determine infrastructure and enhance data governance

**Data Minimization** 

Remove redundant data in multiple locations to reduce storage and attack

**Automated Classification** 

Set sensitivity labels, automatically cluster and track

dispersed data

Forensic Analysis

Data spillages, FOIA requests, accidental or malicious release of

**Data Optimization** 

Minimize data, define criticality levels, provide visibility on-prem

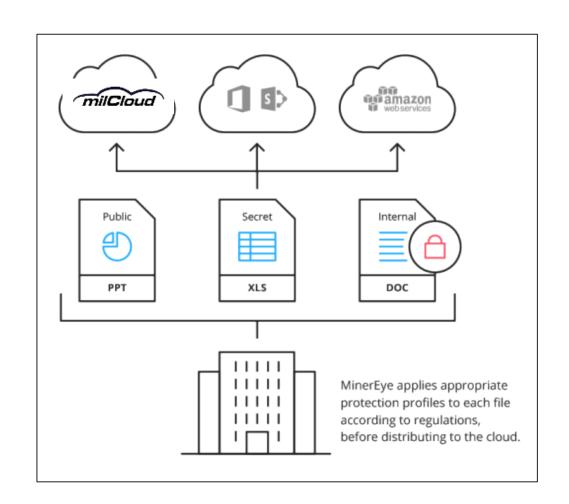
# Preparing for a Secure Cloud Migration



MinerEye stands as a mediator, ensuring the privacy and protection of data that travels between the premise and the cloud, as enabled by hybrid cloud models

Features enable customers to clearly define data impact and criticality categories, segregate one data group from another, establish and apply appropriate protection profiles

This allows for an in depth data analysis that provides deep visibility into infrastructure



## Potential Savings



The Association of Information and Image Management (AIIM) reports that on average, half of an organization's retained information has no business value.

The Compliance, Governance, and Oversight Council (CGOC) estimates that a company with 10 petabytes of data could be spending as much as \$34.5 million on data that could be deleted.

Site	Storage	Estimated Potential Cost Savings	Site	Storage	Estimated Potential Cost Savings
Army Customer	46.3 TB storage	\$160k in redundant data	Pentagon	22TB/day 8.03PB/yr	<b>\$28M</b> in redundant data costs
			Potential		~\$28M
DoD Customer	288 TB storage	\$994k	Total		redundant data
USAF Customer	11 TB storage	\$345k	"The Pentagon collects 22 terabytes of data every dayYou cannot exploit 22		
Potential Total		~\$1.5M redundant data	terabytes worth of data the way we are doing things today." -Lt. Gen Jack Shanahan, Director, Joint Artificial Intelligence Center, Office of the Department of Defense Chief Information Officer, the Pentagon.		

## **Use Cases**



#### **United States Financial Services Group**

- Problem Unknown company proprietary data usage and unidentified ROT data
- MinerEye Solution located 5 million obsolete documents that customer reduced
- MinerEye Solution Customer is now utilizing data forensics to analyze dark data worldwide

#### Worldwide Integrated Circuit Manufacturer

- Problem Internal Intellectual Property leakage and GDPR & PII compliance
- MinerEye Solution Identify IP existing outside approved facilities
- MinerEye Solution GDPR and PII identified and subsequently reduced or protected

#### United Kingdom Bank

- Problem Unknown extent of sensitive customer data in business data sets
- MinerEye Solution found thousands of rogue files that contain sensitive customer data in the form of Excel and Access DB (.mdb) that were subsequently classified and cleaned

## **Enterprise Implementation**

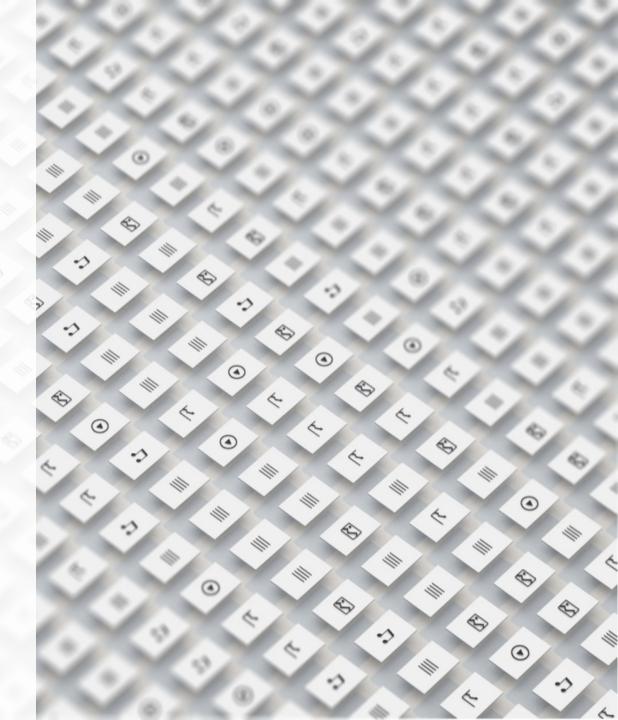


- Enhanced Cybersecurity
- Operational Efficiency
- Regulatory Compliance
- Risk Management

https://agile-defense.com/services/minereye

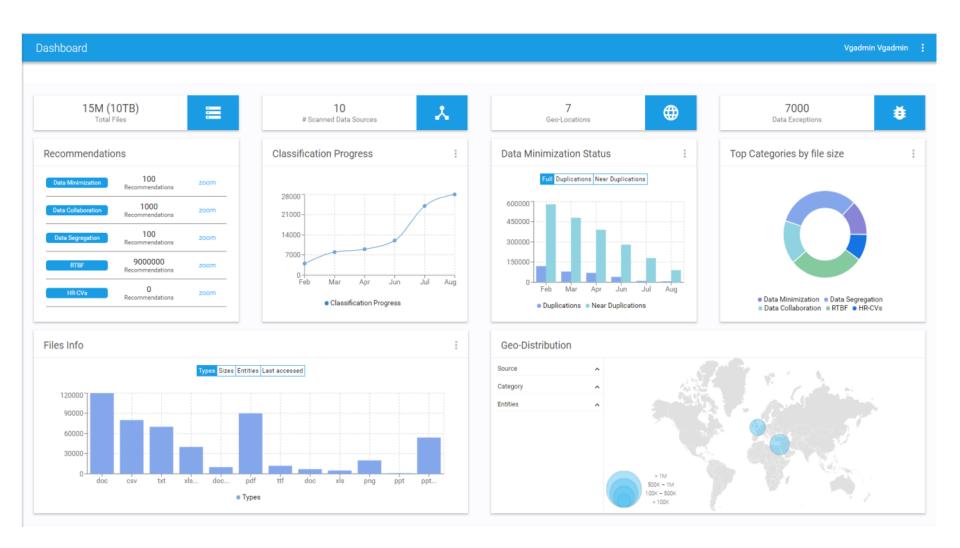


# **Supporting Documents**



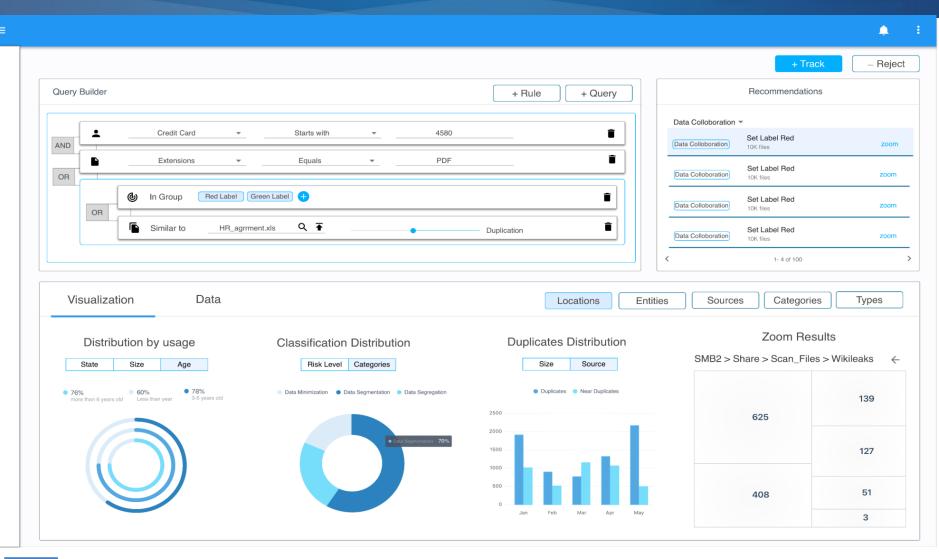
## MinerEye Data Tracker™ GUI





## MinerEye Data Tracker™ GUI

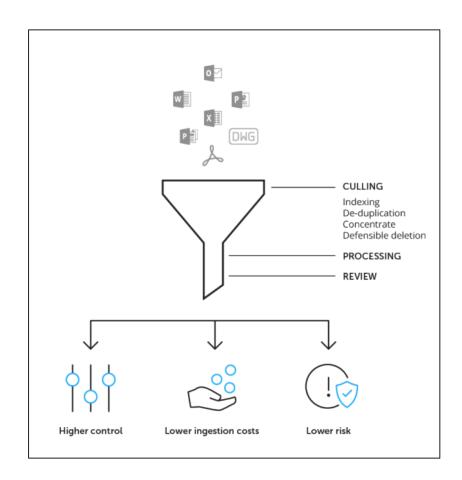




## **Use Case: Data Minimization**



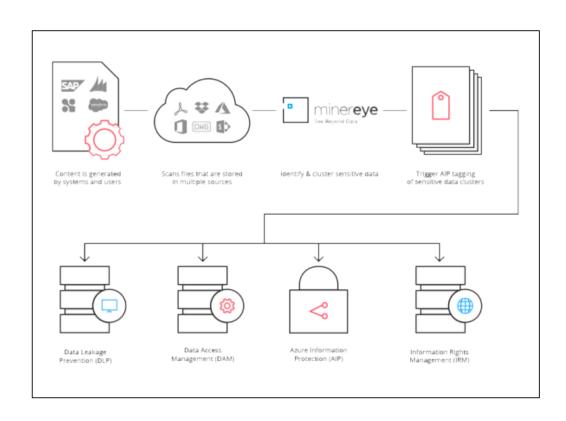
- MinerEye helps companies
   minimize obsolete and redundant
   data that has accumulated over
   time and takes up precious data
   storage.
- According to the Governance and Oversight Council (CGOC), a company with 10 petabytes of data may reduce storage costs by approximately \$34 million by properly disposing of its redundant data.



## Use Case: Automated Data Classification



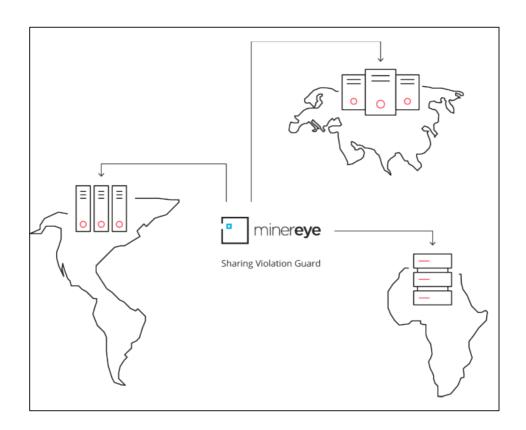
- MinerEye tailors automated classification capabilities to your current data protection systems, ensuring consistent and comprehensive classification of all essential data.
- MinerEye's integration with data protection software tools, such as Azure Information Protection (AIP), propagates AIP labels to unlabeled data, and assures comprehensive and efficient data classification and protection.



## Use Case: Data Segregation



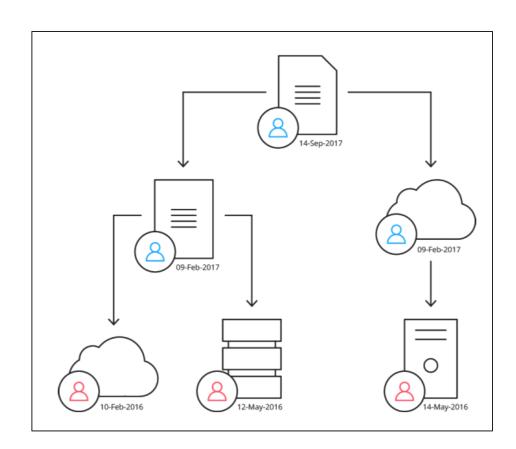
- MinerEye's Data Tracker<sup>™</sup>
   continuously maps and alerts
   on data segregation issues
   and data sharing violations
   that are prevalent among large
   dataset carriers.
- MinerEye distributed architecture enables companies deploy a net of virtual machines (VM) across company sites, visualizing Data Residency and achieving sovereignty regulation compliance



## Use Case: Forensic Data Analysis 🔥 agile

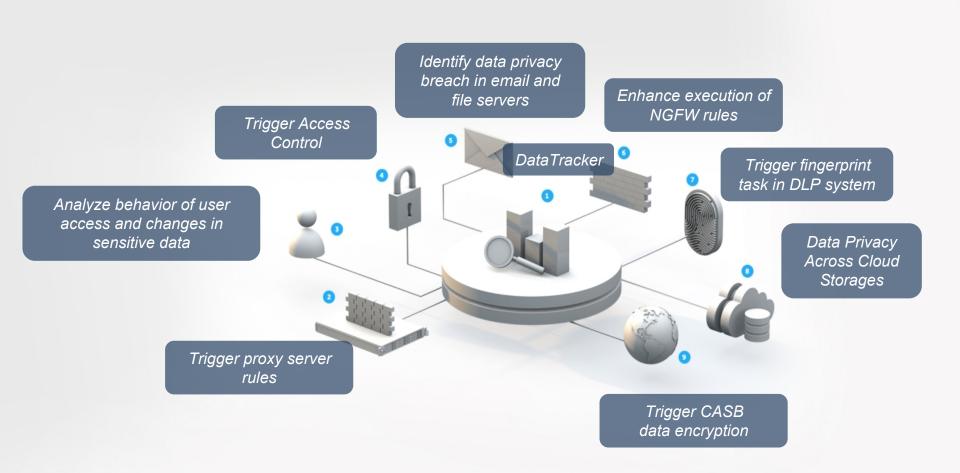


- MinerEye logs data behavior by scheduled scanning of your sensitive information clusters.
- MinerEye can instantly identify and present where your data is or was located at different times, whether it has been modified, who handled it and more.
- MinerEye automates alternative months of manual work to investigate the movement and tampering of data enabling companies to cut time to know and report on data breach according to regulations



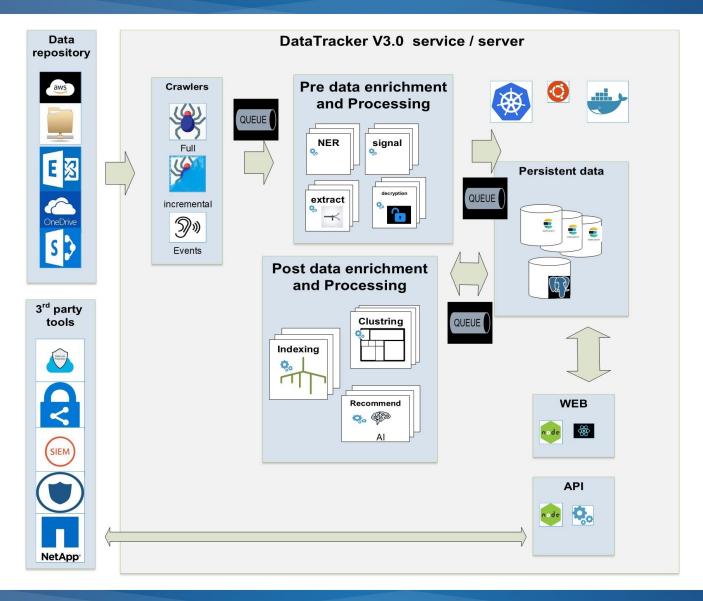
## Al Architecture





### Reference Architecture





# Deployment Open Vitrutal Machine



One VM supports up to 120TB source data



Optimal OVA Compute Resources			
CPU	16GHz / 8 Core		
RAM	64GB		
Disk	2TB		

