Voltage File Analysis Suite

Cloud-based file analysis to quickly find, secure and protect sensitive data

Voltage File Analysis Suite Solutions

Voltage File Analysis Suite (FAS) by OpenText™ solutions help organizations find, protect and secure sensitive and high-value data. FAS solutions assist organizations as they transform IT, respond to data privacy regulations, data protection, cloud migration and the remote workforce.

FAS is centered on solving the challenges of managing sensitive data, enabling organizations to understand where sensitive data resides, how best to protect it, and ensure the business can meet both its regulatory obligations and leverage critical data sets for business growth. FAS solutions deliver:

- Data privacy readiness and data protection
- Sensitive data management and compliance addressing PI/ PII, PCI, PHI
- Governance of high-value assets, contracts, intellectual property & patents
- Data lifecycle management
- Content analysis and data minimization
- Data visibility dashboards
- Data mapping
- Actionable analytics
- Data volume and risk analysis
- Rights-based Identity and Access Governance
- Security and governance across business-critical lead applications and repositories

Our solutions ensure data lifecycle management and data access governance while mitigating the risk associated with managing sensitive data. Voltage File Analysis Suite also provides identity and access governance, complete data visibility, reduction in storage costs, actionable analytics that improve efficiency, data quality and supports data privacy compliance, while addressing governance for high-value assets (e.g., contracts, intellectual property, patents, etc.) and sensitive data (e.g., PI/ PII, PCI, PHI, etc.).

FAS provides solutions to help reduce the total cost of regulatory compliance and storage volumes, reduce the risks associated with managing sensitive information, decrease the threat of fines, sanctions and penalties for non-compliance while delivering insight, security and governance across business-critical lead applications and repositories.

Voltage File Analysis Suite Product Highlights

Voltage File Analysis Suite (FAS) SaaS by OpenText™ platform provides file analysis, tagging, analytics and personal data discovery across mission critical unstructured repositories including CIFS accessible file shares, SharePoint, Exchange, OpenText™ Content Manager and cloud stores including Office365, Teams/SharePoint Online, Amazon S3, and Azure stores. FAS helps protect data in use by providing flexible encryption actions to data ensuring secure information sharing. Additionally, FAS supports data preservation, disposition, and records management capabilities for managing the lifecycle of data, ensuring compliance with industry regulations.

FAS assists organizations looking to address key use cases around data minimization and data privacy readiness. Through metadata only scans, FAS can quickly identify redundant, obsolete and trivial data, helping organizations reduce clutter and cost associated with managing sensitive data. FAS is a key tool in mitigating the risk around sensitive data by providing deep analytics dashboards, document level risk scores and grammars that cover 39+ country data formats and economic regions. These grammars cover major global regulations including the GDPR (European Union), CCPA (California), KVKK (Turkey), POPI (South Africa), APP (Australia), NZPA (New Zealand) and CPPA (Canada).

Core features and capabilities within the Voltage File Analysis Suite include:

- **Governance and Compliance:** Deep data discovery, data classification, audit trails, and analysis to evaluate, detect and govern sensitive/high-value information and optimization associated IT systems and infrastructure.
- **Risk Assessment:** Risk-based random sampling, automated tagging, and metadata enrichment with pre-built sensitive data analytics and contextually-aware entity detection in support of GDPR, CCPA, CPPA, POPI, KVKK, as well as, PCI, and PHI.
- **Risk mitigation:** Develop custom policies and controls to monitor, remediate and proactively manage sensitive data and access across critical data repositories.
- **Data Protection:** Remediation actions to be applied to selected files without the need for moving or copying the data from its source (e.g., encrypt, control access, collect, hold, delete).
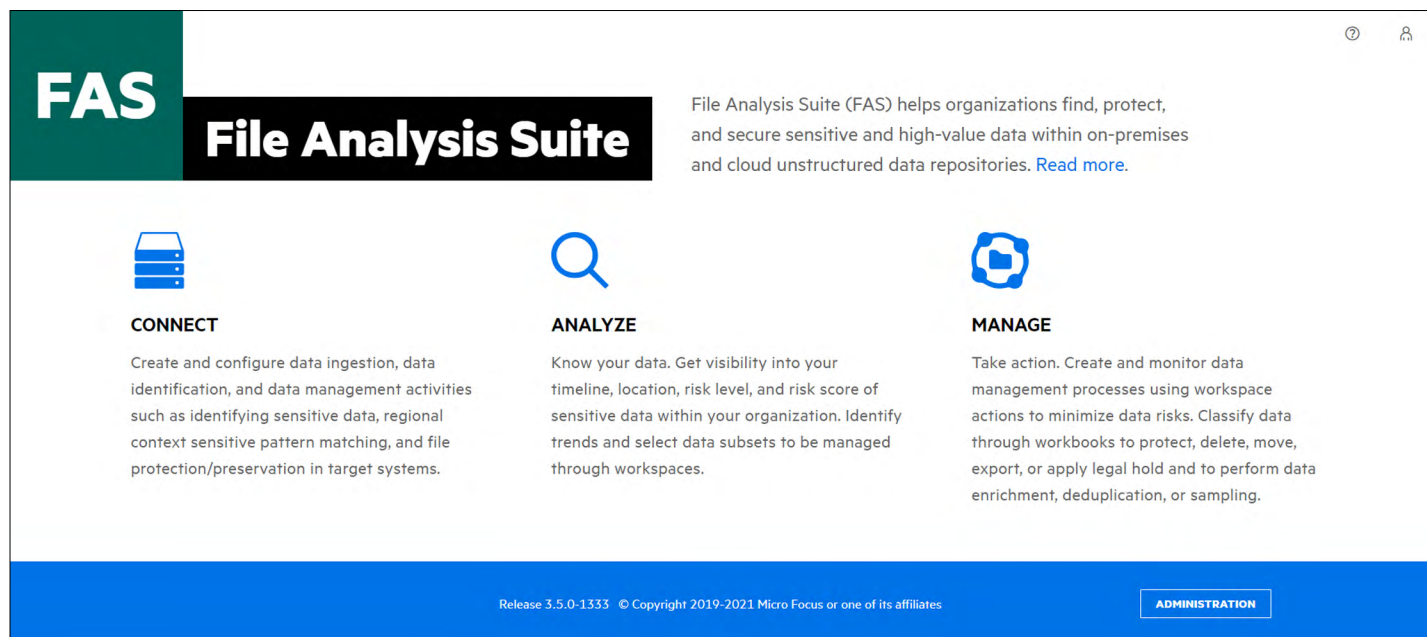
Figure 1. Voltage File Analysis Suite

- **Research Workspaces:** Create and collaborate around sensitive data within Workspaces to conduct deeper analysis, identify additional data sets, and review of sensitive data.

- **Subject Rights Request Analysis:** Leverage pre-built templates designed to assist in reporting and responding to consumer and Subject Rights Requests.

Product Feature List

Sensitive Data Analytics, Research Workspaces and Dashboards

- Contextually-aware pattern matching to reduce false positives with configurable rules for tagging sensitive data driving greater accuracy

- Sensitive data dashboards allow you to identify sensitive data, where it is located across the enterprise, and drill down into the data for deeper analysis

- SmartScan gives you an adaptive and agile approach to perform a quick risk assessment when you don't know your data well and want to analyze large data sets.

- Sensitive Data Heat Maps to quickly understand the data risk landscape, where to target deeper scans and efficiently prioritize data protection activities.

- Data minimization via metadata analysis to identify and dispose of redundant, obsolete, and trivial data sets

- Automated tagging, and metadata enrichment (including external metadata) with pre-built sensitive data analytics and pattern matching in support of GDPR, CCPA, CPPA, POPI, KVKK, as well as, PCI, and PHI

- Custom grammar creation to enrich data using regular expressions

- Define or import your own term lists to help refine tagging specific to your organization

- Data volume dashboards to manage and monitor the file analysis process

- Risk assessment dashboards estimating the total amount of sensitive data based on random sampling

- Create Workspaces from subsets of your corporate sensitive data inventory to identify data sets and conduct deeper analysis and review of sensitive data

Detailed Risk Assessment, Data Subject Analysis:
Data Enrichment and Management

- Ephemeral sensitive data scans to support data sovereignty and reporting requirements across geographies and regulations

- FAS SmartScan conducts random sampling and assessment capabilities to target risk "hot spots" for deeper file analysis

- Analytics-based tagging, keywords and data enrichment help create and refine data subsets, to identify risk and ultimately take action on data that needs to be managed (e.g., collect, hold, delete, declare as record)

- Collaborative workspaces provide analytical views, sensitive data types, key risk indicators, hit highlighting as well as privacy scoring thresholds for better decision making

- Identify data subject information and organize data into subsets via Workspaces allowing Subject Rights Requests (SSRs) to be processed

Data Remediation

- Data protection and encryption actions ensuring sensitive data is protected in use, reducing the unnecessary proliferation of sensitive data

- Identity-based intelligence and rights remediation for updating risk scores, permissions, and document-level reporting

- Data lifecycle actions for data deletion, records declaration, and archiving to OpenText Content Manager for compliance purposes

- Data management actions to be applied to selected files without the need to move or copy the data from its source (e.g., delete, collect, hold)

- Custom Workbook File Activities adapt to many different data management use cases, allowing easier integration with third-party applications and the creation of custom actions to protect sensitive documents discovered in FAS.

- Workspace reporting based on all actions, tags, privacy scoring for Subject Rights Requests (SSRs)

- Review and audit remediation actions by internal subject matter experts

Hybrid Cloud File Analysis

- Modern SaaS, micro service-based architecture designed for the cloud—providing instant project start-up and automatic scaling

- Subscription service from OpenText™ enables customers to start to analyze corporate data without large capital expenditure

- Agentless cloud connectivity for Office 365 and other cloud repositories—analyze your data directly in the cloud

- Hybrid file analysis capabilities allows for data to be analyzed in the cloud regardless of the source data being on premise or cloud

- Management console for monitoring all file analysis and index processing activities

Data Protection Using Inbuilt Masking or
Encryption Labels Using Microsoft Purview

- Integrated data protection actions within data discovery business processes

- Simplified unstructured data management by embedding files with access and use controls that persist across the data lifecycle

- Increased visibility and control over sensitive file access, use, and disposition with centralized policy control

- Reduced risk of a data breach by encrypting and wrapping security policy that travels with files to protect them wherever they go

- Improved compliance audit and inquiry response with real-time discovery, classification, monitoring, and reporting on files for sensitive data usage and creation

File Analysis Suite Architecture
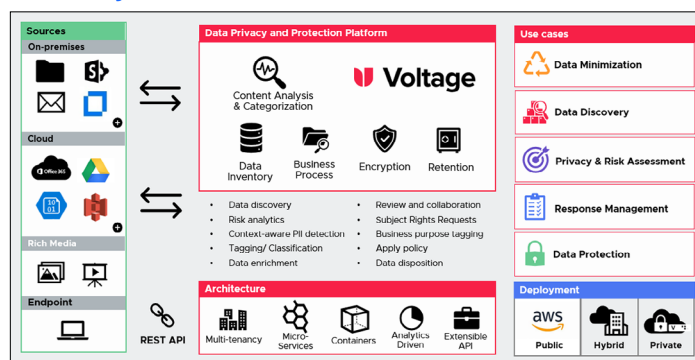
Figure 2. SaaS framework for Voltage File Analysis Suite (FAS)

Application Architecture Components—Hyper-Scale and Secure
As customers look to meet the evolving workloads, wrangle enterprise data, comply with global regulations and contain the cost associated with managing and securing sensitive data, new solutions are required to meet these mounting data management requirements across the business. The Voltage File Analysis Suite module is ideally suited to meet these challenges. Built as a cloud-first, multi-tenant SaaS solution, Voltage File Analysis Suite is built to scale, drive operational efficiency through data analytics, and intuitively identify risk while reducing the total cost of compliance.

In addition, FAS is extensible to securely analyze and interrogate the most common, high-risk unstructured data repositories including:

- NT file shares
- SMB (Samba)
- Microsoft Exchange
- Microsoft SharePoint
- Content Manager
- SharePoint Online & Teams
- Office 365
- Google Drive
- Microsoft Azure file and object stores
- Amazon S3 object stores (S3)
- Custom connector API

FAS REST APIs allow any organization to build custom integration with other data privacy, data protection, security, and governance tools, such as Microsoft Purview. We have leveraged these APIs internally for integration with Content Manager which provides a long term repository for archiving and managing business records.
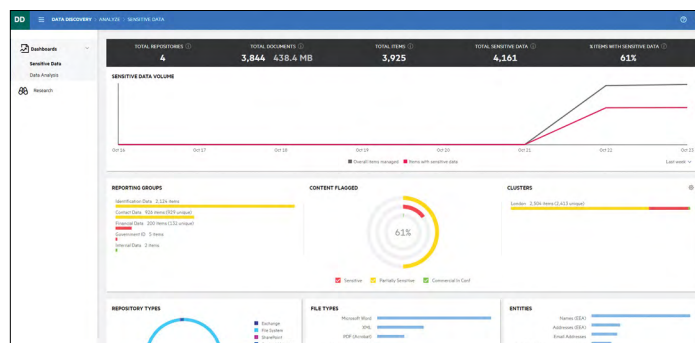
DASHBOARDS

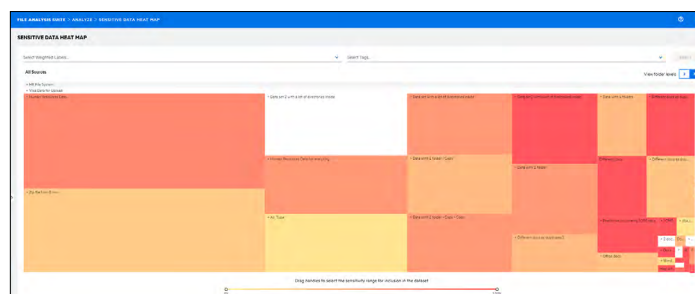**Figure 3.** Analyzed Sensitive Data Dashboard

Figure 4. Effectively prioritize high risk data spots with the Sensitive Data Heat Map

As an Information Manager, dashboards provide an analytical overview of corporate data to identify information risk within the organization to prioritize remediation efforts.

RANDOM SAMPLING

Figure 5. Random Sampling

As a Data Analyst I can sample a subset of data during the early stages of data discovery to assess and highlight repositories and data sets that contain higher concentration of sensitive data.
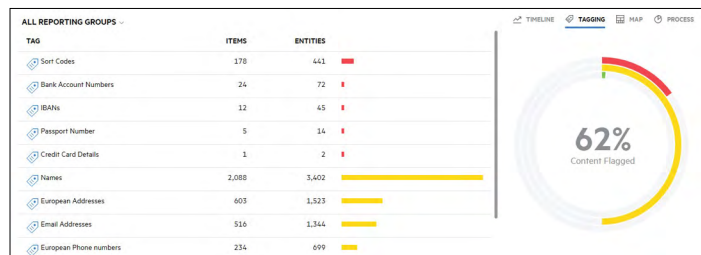
TAGGING AND GRAMMARS

Figure 6. Create tags and reporting groups

As a Data Analyst, the index can be configured to create tags and reporting groups to identify sensitive data using out of the box PII, PCI and PHI grammars and entities or create their own tags using analytical clauses and custom grammars using regex commands. Entities can be masked or anonymized to ensure sensitive data is protected, but the analyst can still work within the data set.

SMART MIGRATION AND DATA CONSOLIDATION

As a Data Admin, I can now archive or consolidate data in a new file system location, for the purpose of migrating & governing data in a secure location.

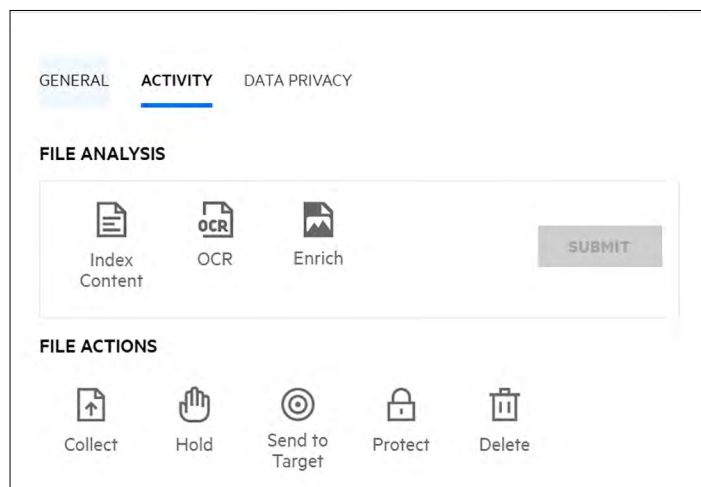**DATA PROTECTION ACTIONS**

Figure 7. Data protection actions

As a Data Security or Compliance user, I can protect identified sensitive data and ensure data in use is protected at source using Workbook actions directly from FAS. This helps ensure policies are applied persistently and information can be shared more securely.
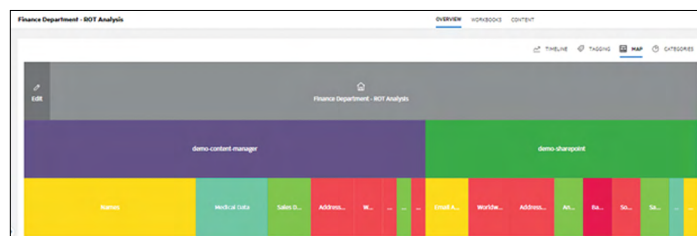
DATA MINIMIZATION

Figure 8. Data minimization

As an Information Manager, I can expedite IT modernization or migration to cloud projects by leveraging out of box Data Cleanup workspace template to identify and manage Redundant, Obsolete, and Trivial data.

Summary

Voltage File Analysis SaaS Solutions enable you to quickly and efficiently reduce information risk, ensure data privacy, analyze, optimize, and secure employee access to critical data that drive and protect the business. Our solution can ensure data lifecycle management, access governance, complete data mapping and classification, reduce storage costs, while enabling actionable analytics that improves efficiency, data quality, and supports data privacy compliance.

Through value-added data assessment and discovery, analytics, and data management capabilities, Voltage FAS extends the value of our customer's investment in managing information risk associated with changing and evolving global data privacy regulations. Voltage FAS allows customers to confront the mounting technical debt associated with unbridled data growth and helps drive down the total cost of compliance.

Voltage FAS is intended to help customers analyze, manage, and secure their most sensitive and high-value assets. Voltage FAS does this by creating a file analysis application that will identify, tag, and manage sensitive and personal data in both unstructured data and structured data repositories (via Voltage Structured Data Manager by OpenText™ integration in a future release) from a single pane of glass. This helps customers address one of their greatest compliance challenges facing them today.

Voltage FAS connects into and monitors the most common sources of personal and sensitive data—OpenText™ IDOL analytics underlies the risk and data privacy assessment by accurately identifying personal and sensitive data. Voltage File Analysis Suite's rich visualizations tools enable organizations to effectively manage and secure those data sets.

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