

Semantic Intelligence™ Solution with Risk Distance™ Analysis

Automated Security for Unstructured Data

Concentric MIND

Centralized deep learning as-a-service for fast, accurate identification of business-critical data without complex rules or upfront configuration

Risk Distance

Autonomous risk analysis based on peer file comparisons to spot security concerns without rules or end-user involvement

Comprehensive Security

Identify and remediate at-risk business-critical documents across your organization for complete protection of sensitive data

Introduction

The Semantic Intelligence™ deep learning solution captures the collective security wisdom of content owners to find at-risk data. It autonomously discovers and categorizes data, and then identifies the baseline security practices in use by each category. Risk Distance analysis calculates how different a specific file's security practices and activities are from those of its peers to readily spot at-risk data.

Highlights

- Find business-critical documents
- Gain a risk-based view of all enterprise data
- Automated remediation with file activity information to instantly fix the most urgent issues
- Find risk without rules or formal policies
- Secure SaaS solution, API based, no agents
- No rules, no regex, no policies to maintain
- SOC 2 Type 2 company-wide certification

How It Works

Semantic Intelligence™ automates unstructured data security. We use deep learning to capture the collective wisdom of content owners to understand security policies without hard-to-maintain rules or end user classification.

Deep learning organizes data into thematic categories that offer accurate insights into meaning and business criticality. Risk Distance analysis uncovers each category's baseline security practices to spot at-risk individual files. The solution reveals inappropriate sharing, risky storage locations or incorrect classification – all without rules or policy configuration.

Semantic Intelligence is a secure SaaS solution with API connections for data intake (cloud storage, internal file servers, and cloud applications),

“Concentric is an essential part of Cadence’s data security portfolio. We use it to identify all our business-critical data – product documentation, finance reports, contracts etc. Concentric gives us a critical layer of data security intelligence on top of the data protection solutions we already use.”

*Sreeni Kancharla, CISO
Cadence Design Systems*

and it integrates with other solutions to make them more effective while reducing overhead.

Losing source code, product designs, production methods or test results can cripple an organization's ability to compete and thrive.

Intellectual Property

Spilled tax forms, HR documents, accounting information or sales data can damage reputations, lower morale and impact performance.

Operational Secrets

Business Critical Data

Strategic Information

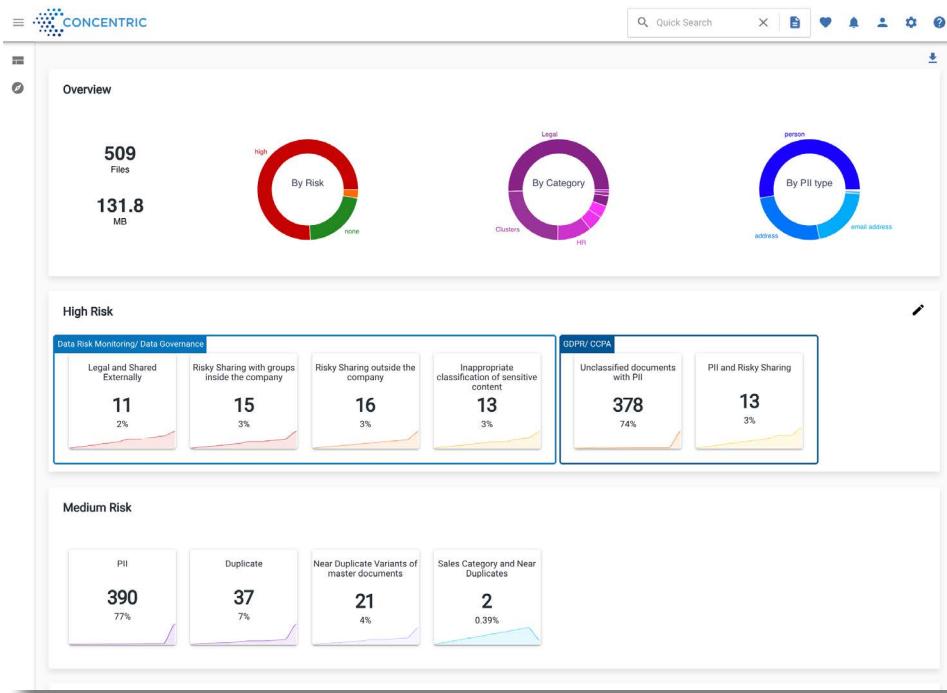
Lost product plans, sales forecasts, legal strategies or internal communications can damage competitiveness and lead to market share loss.

Regulated Data

Exposed PII/PCI, such as names, addresses, government ID numbers or financial data, can violate regulations and create legal risk.

Autonomous Data Discovery

Effective data security starts with accurate and continuous data discovery and categorization. Our sophisticated natural language processing capabilities (a type of deep learning) autonomously group

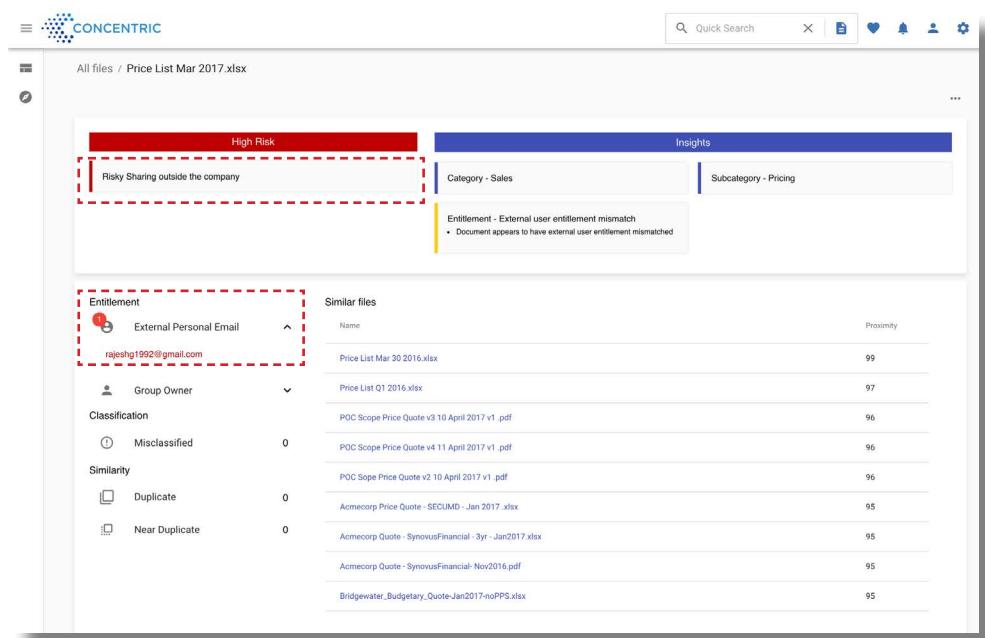


Risk Dashboard

data into over 175 categories, revealing the intellectual property, financial information, legal agreements, human resources files, sales strategies, partnership plans and other business-critical information hidden in your unstructured data. We discover and categorize data without rules, regular expressions, user input, or IT staff overhead.

Risk Distance Analysis

Collectively, the security practices in use within a data category accurately reflect the best judgment of the content owners. Risk Distance identifies risk by calculating the distance from the category's security baseline to each individual data element. Risk distance finds inappropriate sharing, incorrect group membership or access control settings, unclassified regulated content, inappropriate file locations that place sensitive data at risk of loss. Risk distance also offers insights into file usage to better understand whether an at-risk file is also in active use and may need urgent attention.



Inappropriate External Sharing

Concentric MIND

Centralized MIND, a deep-learning-as-a-service capability, improves categorization coverage and speeds model adaptation by aggregating intelligence across Concentric customers. MIND curates all of Semantic Intelligence's deep learning models (whether developed by Concentric or customers) to offer the best-fitting model to every customer when they need it. Shared models are entirely mathematical and do not contain source data to ensure customer privacy and security.

All files / AcmeCorp - S_W & H_W License Purchase Agreement Click through EULA.docx

High Risk

- Unclassified documents with PII
- Inappropriate classification of sensitive content
- Risky Sharing with groups inside the company
- PII

Insights

- Category - Legal
- Subcategory - License Agreement
- Content - Sensitive Information
 - Document has PII information of type address
- Classification - Misclassified
 - Document appears to be misclassified
- Entitlement - Group entitlement mismatch
 - Document appears to have group entitlement mismatched

Entitlement

- Group
- Concentric India Management Members

Classification

- Misclassified

Similarity

- Duplicate
- Near Duplicate

Similar files

Name	Proximity
AcmeCorp - Purchase Agreement EULA - On premise only.docx	100
AcmeCorp - S_W ONLY License Agreement.05.2016.docx	100
AcmeCorp - Purchase Agreement EULA FINAL (2).docx	98
KeyLines Software License and Services Agreement - AcmeCorp (3 year term).docx	98
Kloudless Enterprise License Agreement conc Native AIP with OC edits.docx	97
Kloudless Enterprise License Agreement conc edits.docx	97
Kloudless Enterprise License Agreement [2] native SCC with UC.docx	97
Kloudless Enterprise License Agreement [2].docx	97

Inappropriate Internal Sharing

Broad Connectivity

Concentric Semantic Intelligence™ offers API connectivity to securely scan unstructured data wherever it's stored: on-premises, in cloud-based storage solutions, or in cloud applications, with support for Office365, OneDrive, SharePoint Online, Google Drive, Box, Dropbox, Amazon S3, Windows file shares, and more ([click here for current list](#)). Continuous autonomous monitoring ensures your data is constantly protected and compliant.

allowing you to choose the remediation options that best fit your organization's needs. Our solution can automatically classify documents, change entitlements, or adjust access controls based on risk. Integrations with Data loss prevention (DLP) products or document metadata management approaches like Microsoft Information Protection (MIP) enable far more effective protection as a result.

All files / MASTER~2 Native AIP with OC and header Public but no footer.docx

High Risk

- Inappropriate classification of sensitive content
- PII
- Near Duplicate Variants of master documents

Insights

- Category - Legal
- Subcategory - Miscellaneous
- Content - Sensitive Information
 - Document has PII information of type person
- Classification - Misclassified
 - Document appears to be misclassified

Entitlement

- Group Owner

Classification

- Misclassified

Similarity

- Duplicate
- Near Duplicate

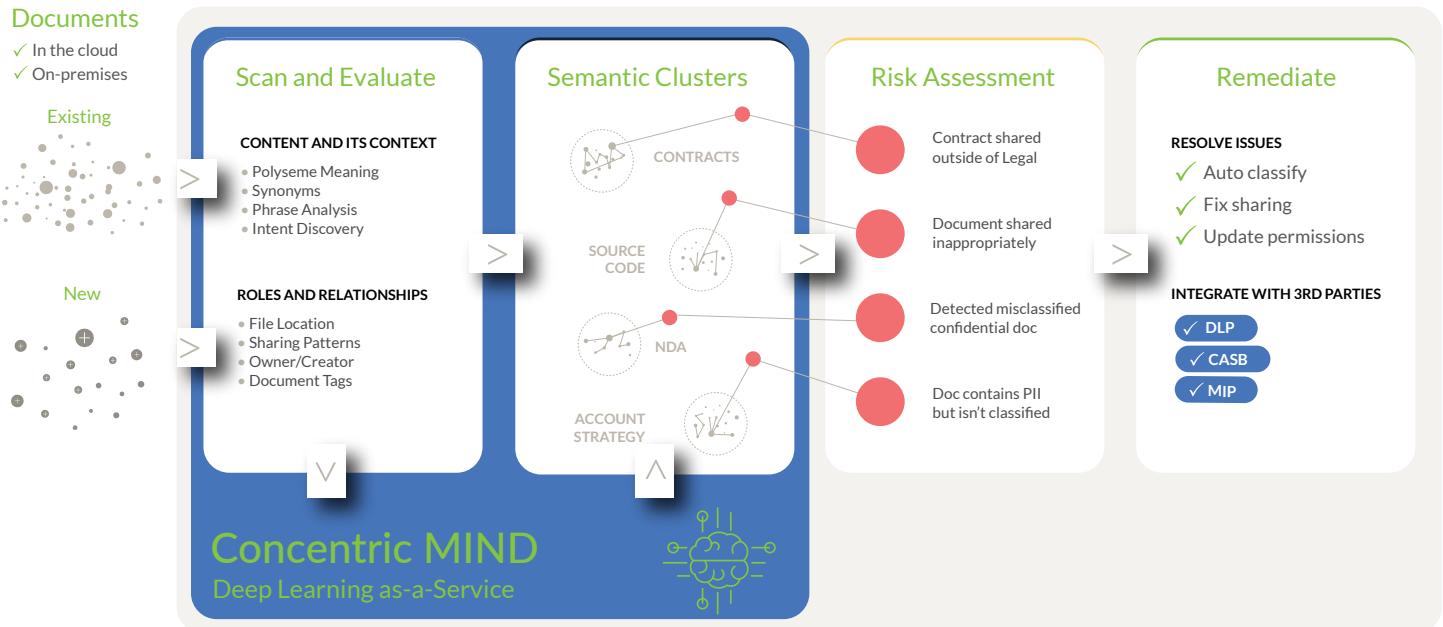
Similar files

Name	Proximity
Master Services Agreement - Cognitree Technologies Private Confidential Ltd..docx	100
Master Services Agreement - Cognitree Technologies Private Ltd. - Copy 2 No classification.docx	100
Master Services Agreement - Cognitree Technologies Private Ltd. - Native AIP with OC and header as well Confidential.docx	100
Master Services Agreement - Cognitree Technologies Private Ltd. - Native AIP with OC and header as well v1.docx	100
Master Services Agreement - Cognitree Technologies Private Ltd. - Native AIP with OC and header as well v2.docx	100
Master Services Agreement - Cognitree Technologies Private Ltd. - Native AIP with OC and header as well v3.docx	100
Master Services Agreement - Cognitree Technologies Private Ltd. - Native AIP with OC and header as well v4.docx	100
Master Services Agreement - Cognitree Technologies Private Ltd. - Native AIP with OC and header as well v5.docx	100
Master Services Agreement - Cognitree Technologies Private Ltd..docx	100

Not Classified as Having PII

Architecture

Concentric Semantic Intelligence™ Solution



Powered By Deep Learning

Data Discovery and Categorization

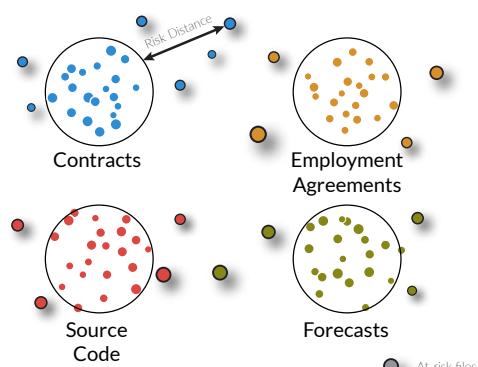
Natural Language Processing



- Sentence, paragraph and document analysis
- Discover thematic categories and establish file peer groups
- Accurate, autonomous, no rules or complex configurations

Risk Exposure Assessment

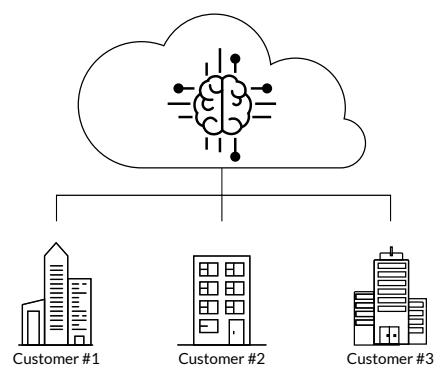
Risk Distance™ Analysis



- Compare file security practices to peer group
- Identify at-risk files
- Spots file-based and activity-based risk factors

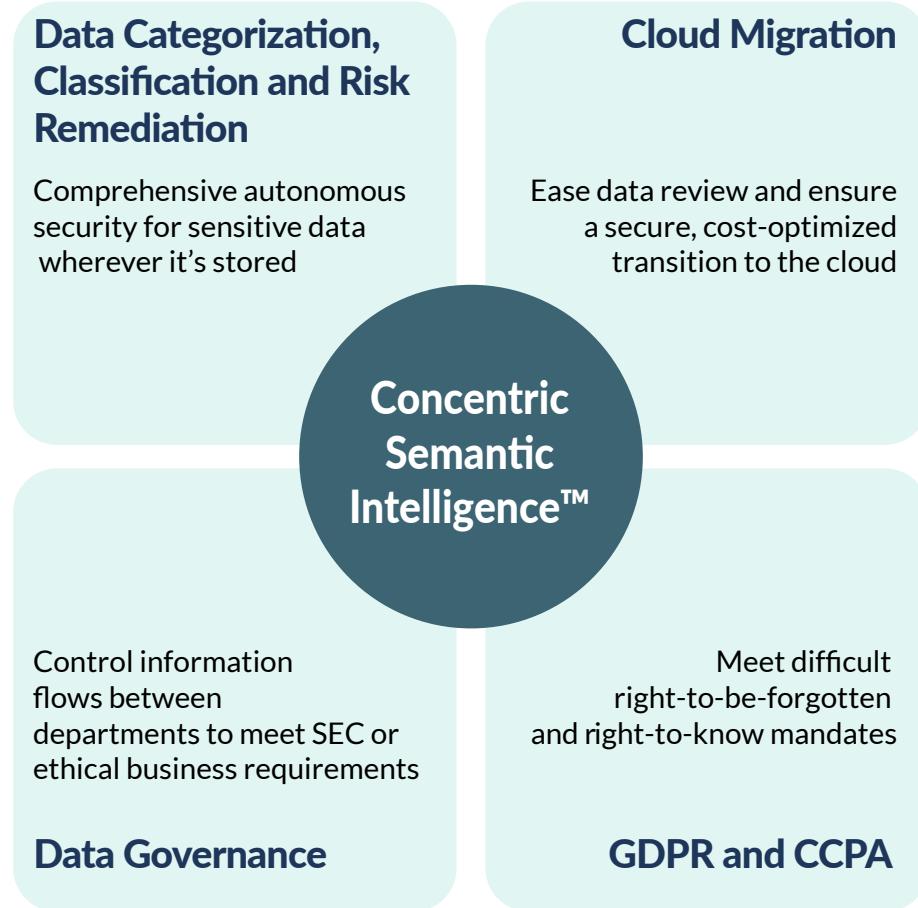
Model Management

Concentric MIND



- Centralized model management
- Curated delivery of best-fit model for any cluster
- Manages customer-derived and Concentric-developed models

Use Cases



About Concentric

- Venture funded by top Silicon Valley VCs
- A secure SaaS solution, API driven
- SOC 2 Type 2 certified



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