

Semantic Intelligence™ Solution with Concentric MIND Services

Automated Security for Unstructured Data

Concentric MIND

Centralized deep learning service for fast, accurate categorization and model adaptation

Autonomous Operation

Eliminate complex rules and upfront configuration with deep learning to identify business-critical documents and risk

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. By comparing an individual data element's deviation from the baseline, the solution can readily spot vulnerable data. Concentric MIND is a deep-learning-as-a-service capability that aggregates models from multiple customers for fast, accurate data categorization and industry-specific adaptation.

Highlights

- Find business-critical documents
- Gain a risk-based view of all enterprise data
- Automated remediation to instantly fix issues
- Quickly adapt to changes or specialized data
- 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

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

Deep learning, leveraged as a form of advanced natural language processing, provides a semantic understanding of data so it can be inventoried, categorized and assessed for business criticality. We uncover each category's baseline security practices to calculate a "risk distance" for each individual element. Risk distance reveals inappropriate sharing, risky storage locations or incorrect classification – all without rules or policy configuration.

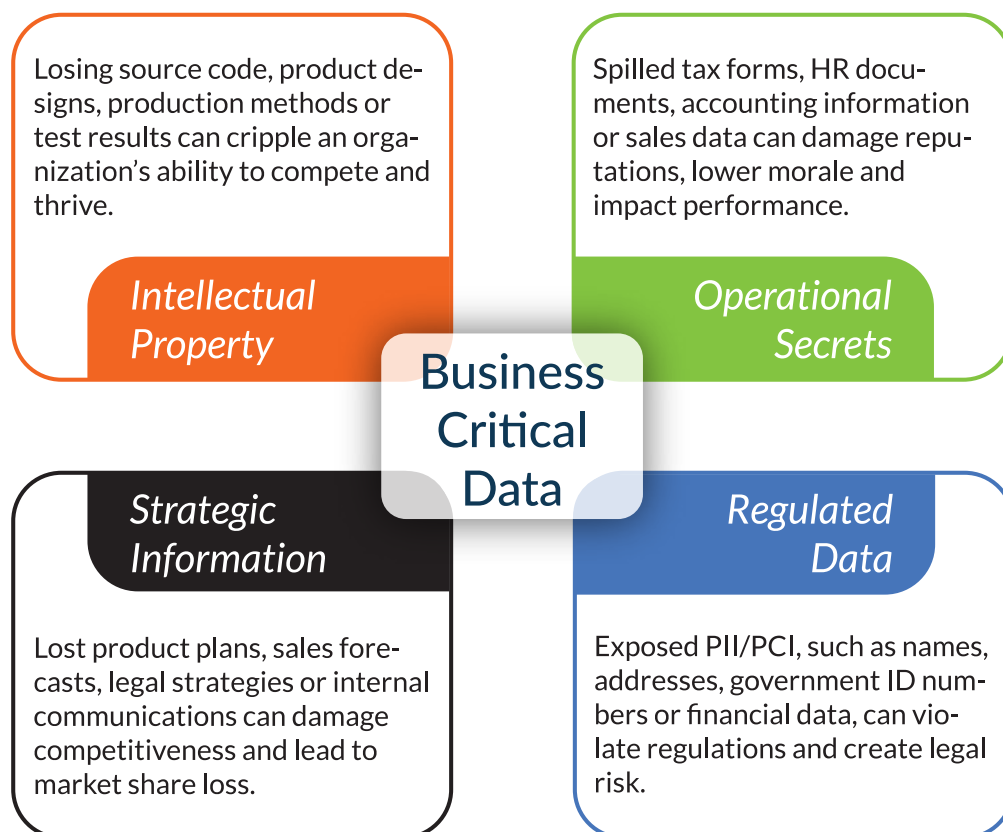
Semantic Intelligence is a secure SaaS solution with API connections for data intake (cloud stor-

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“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***

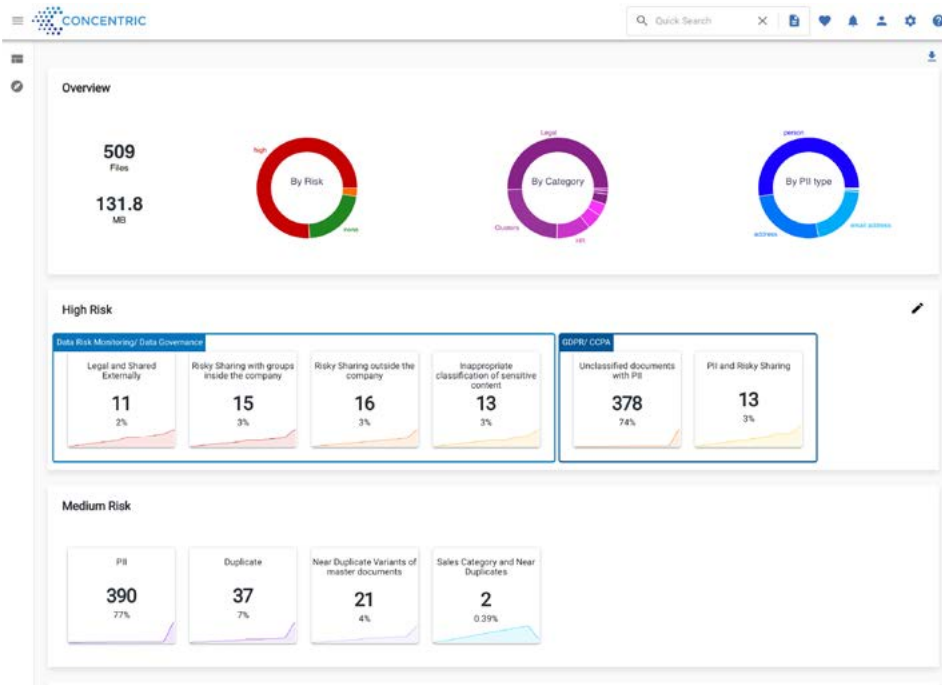
age, internal file servers, and cloud applications), and it integrates with other solutions to make them more effective while reducing overhead.



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

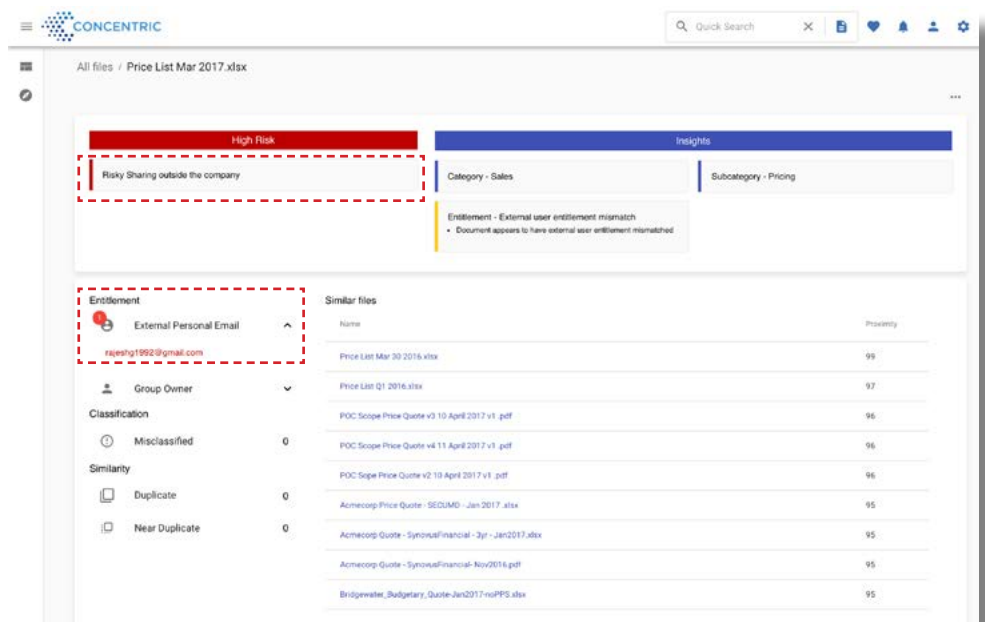
data into over 90 categories, revealing the intellectual property, financial information, legal agreements, human resources files, sales strategies, partnership plans and other business-critical information hidden in your unstructured data. We discover and categorize data without rules, regular expressions, user input, or IT staff overhead.



Risk Dashboard

Risk Assessment

Collectively, the security practices in use within a data category accurately reflect the best judgment of the content owners. Semantic Intelligence™ 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 delivers relevant and comprehensive results with few false positives.

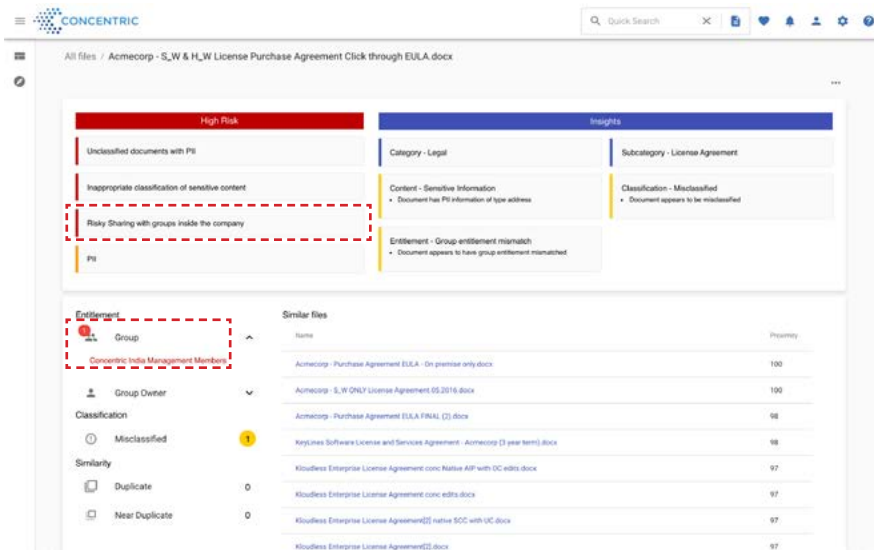


Inappropriate External Sharing

Concentric MIND

Centralized deep-learning-as-a-service improves categorization coverage and speeds model adaptation by aggregating intelligence across Concentric customers. Concentric MIND facilitates sharing of

deep learning models across customers to improve categorization accuracy and speed model adaptation. Shared models are entirely mathematical and do not contain source data to ensure customer privacy and security.



Inappropriate Internal Sharing

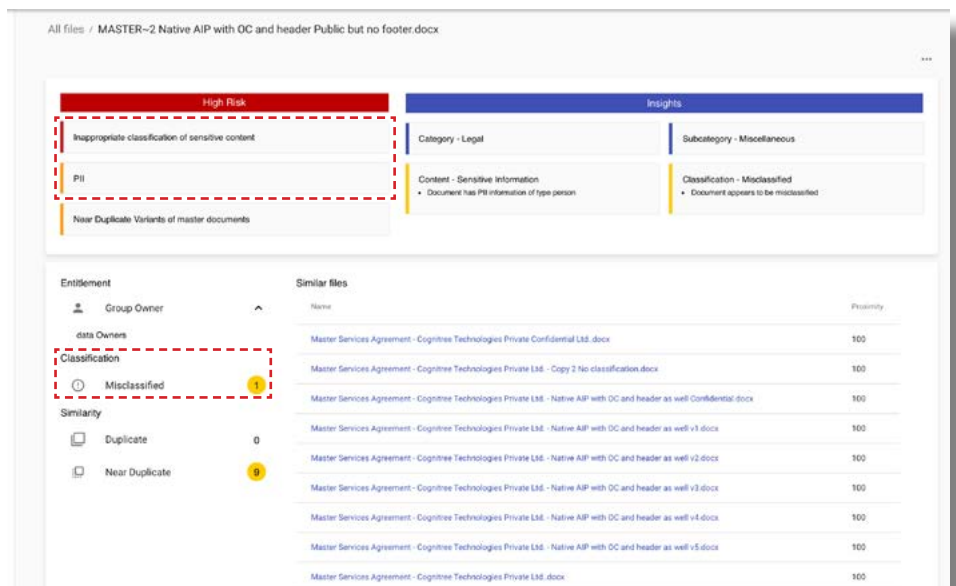
Remediation Options

Concentric Semantic Intelligence™ remediates risk by leveraging security management mechanisms already in use at most organizations, 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.

Broad Connectivity

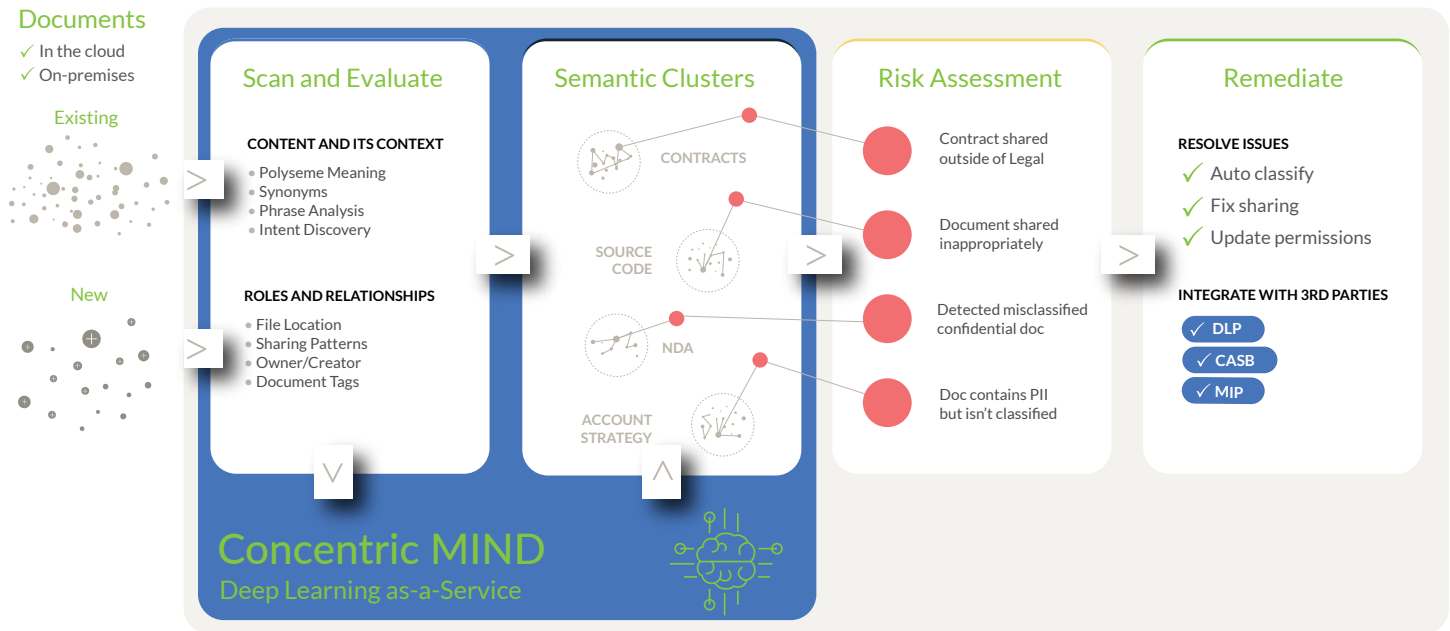
Concentric Semantic Intelligence™ offers API connectivity to securely scan unstructured data wherever it's stored: on-premises, in cloud-based storage solutions, or in cloud applications, with support for Office365, OneDrive, Share-Point Online, Google Drive, Box, Dropbox, Amazon S3, Windows file shares,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



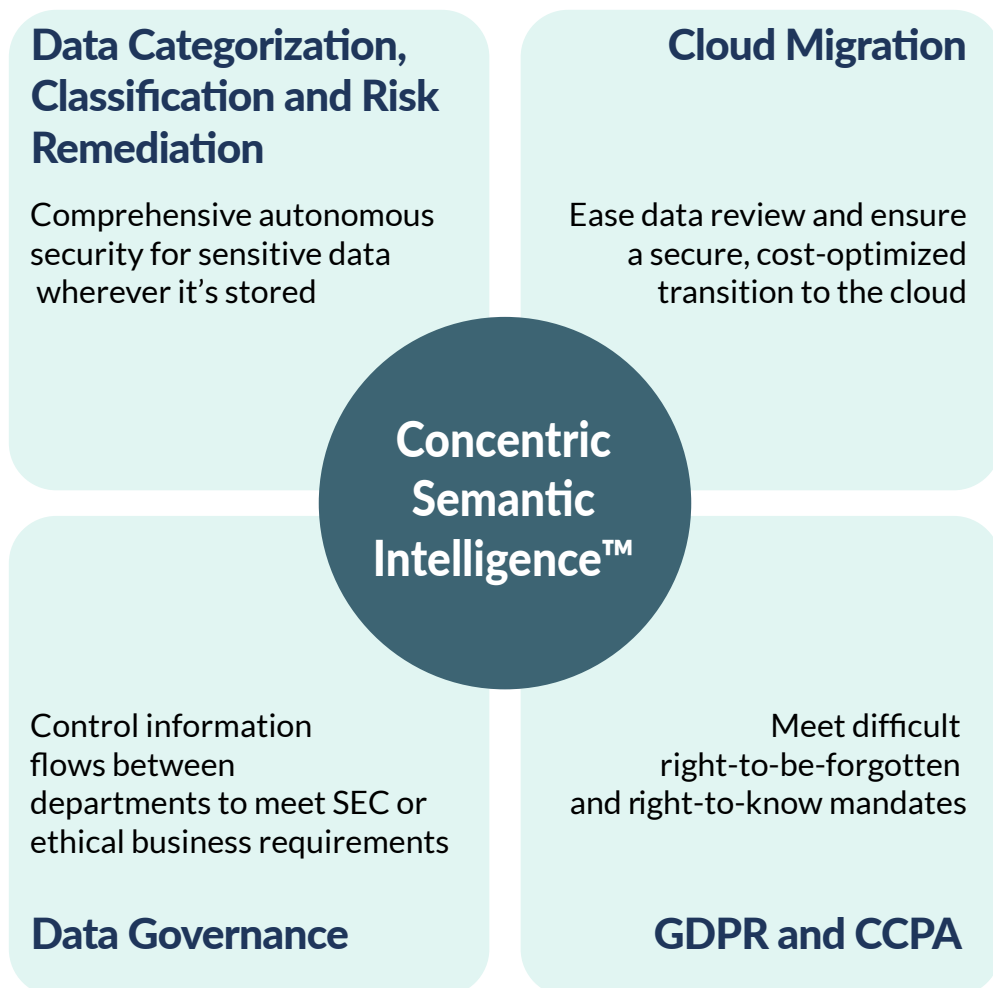
Not Classified as Having PII

Architecture

Concentric Semantic Intelligence™ Solution



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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