

Semantic Intelligence™ Solution with Risk Distance™ Analysis

Data Risk Monitoring and Protection Without Rules or Policy Management



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



What's New

Spot sensitive content in messaging text and attachments in Slack, Microsoft Teams, and e-mail

Introduction

The Semantic Intelligence™ deep learning solution prevents data loss by autonomously discovering data, categorizing content, and optimizing data security posture. It protects structured and unstructured data stored in the cloud, on-premises, and in the text and attachments shared on messaging services. Semantic Intelligence easily identifies business and privacy-sensitive content without rules or policies. Our Risk Distance™ analysis compares each file to baseline security practices used by similar files to identify risk without rules and policies. Concentric's User 360 and File 360 capabilities identify inappropriate user activities and provide support for access control planning so you can confidently manage your data security posture.

Highlights

- Cloud, on-premises, structured, unstructured, and shared via messaging services
- Gain a risk-based view of data and users
- Automated remediation with file and activity information to instantly fix access issues
- Find risk without rules or formal policies
- Secure SaaS solution, API based, no agents
- SOC 2 Type 2 company-wide certification

How It Works

Semantic Intelligence™ automates data security for structured and unstructured content, e-mail, messaging text, and attachments. Deep learning captures the collective wisdom of content owners to understand security policies without hard-to-maintain rules or end user classification.

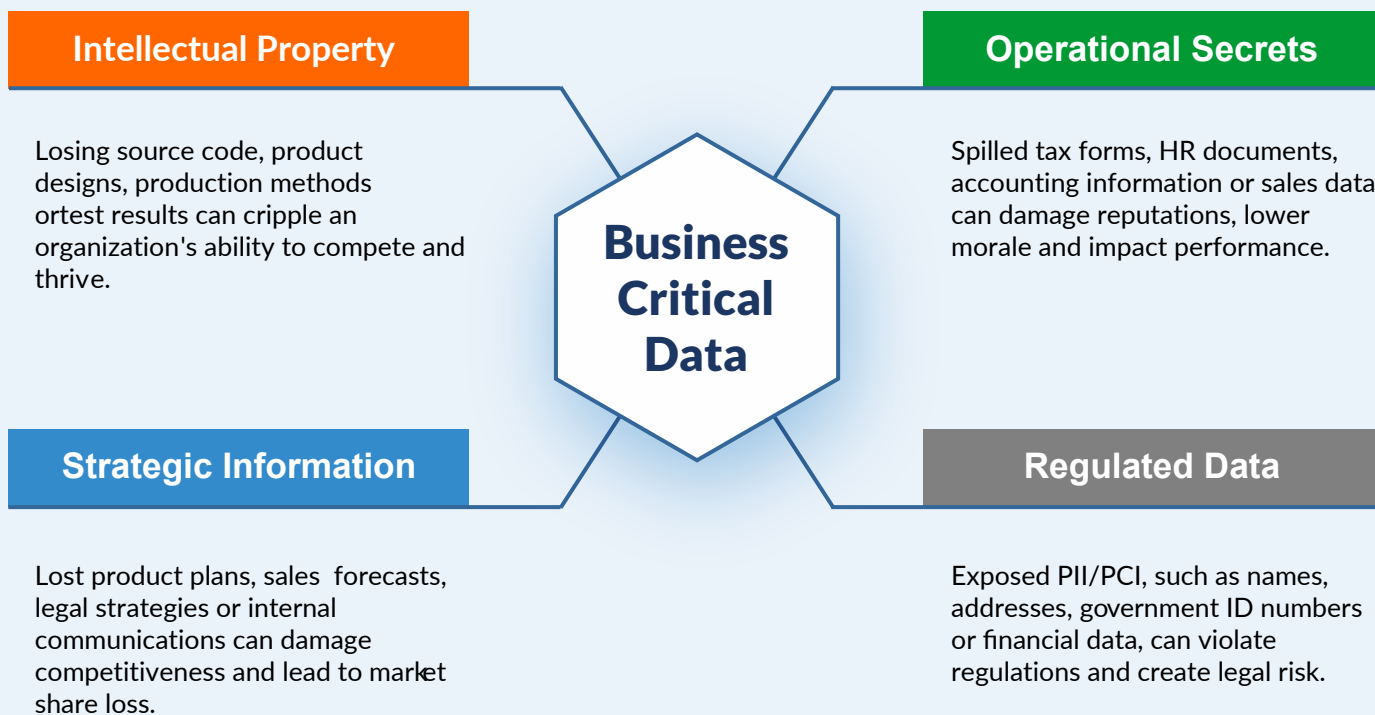
Deep learning organizes data into thematic categories that offer content insights into meaning and business criticality Risk Distance™ analysis uncovers each category's baseline security practices to spot at-risk individual files. Our User 360 capabilities assess risk through a user-centric lens to find activity indicating insider threats and data loss. The solution reveals inappropriate sharing, unusual locations, or incorrect classification – all without rules or policies.

Semantic Intelligence is a secure SaaS solution with API connections for data intake (cloud storage, internal file servers, databases, e-mail, messaging). It integrates with other security solutions to make them more effective while reducing overhead.



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



Data Categories



over 250 categories, revealing privacy-sensitive data, intellectual property, financial information, legal agreements, human resources files, sales strategies, partnership plans and other business-critical information hidden in your structured and unstructured data. We discover and categorize data without rules, regular expressions, user input, or IT staff overhead.

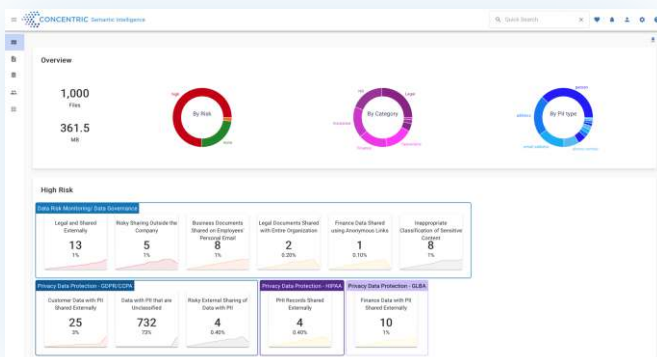
AUTONOMOUS DATA DISCOVERY

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

Data Subcategories



RISK DISTANCE ANALYSIS

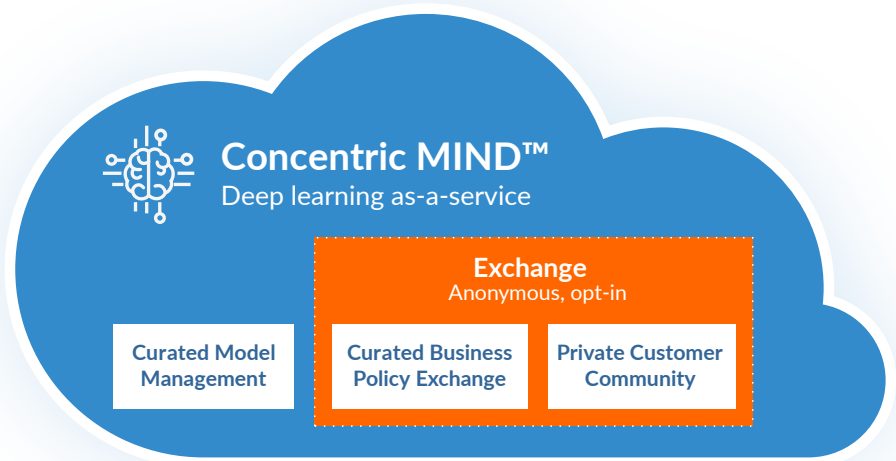


Semantic Intelligence™ Dashboard

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, and inappropriate file locations that place sensitive data at risk of loss. Risk Distance also offers insights into users and file usage to spot security issues needing urgent attention.

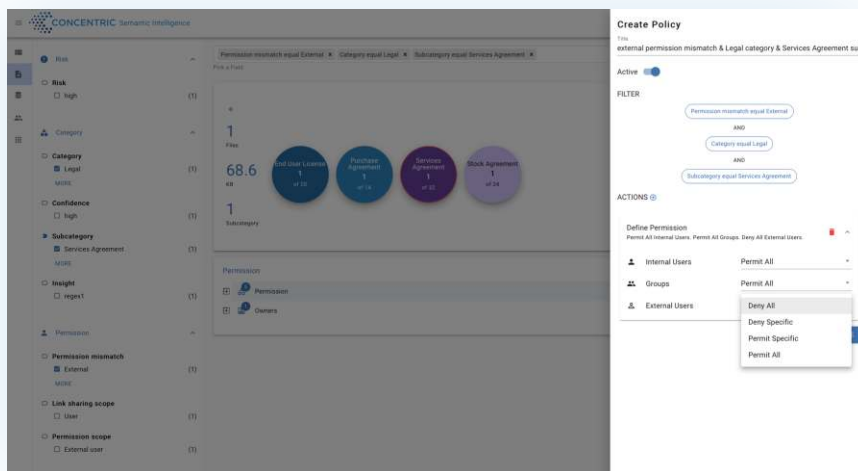
Centralized MIND, a deep-learning-as-a-service capability, improves categorization coverage and speeds model adaptation by aggregating intelligence across Concentric customers. MIND curates all of Semantic Intelligence's deep learning models (whether developed by Concentric or our customers) to offer 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.

CONCENTRIC MIND



MIND Deep Learning-as-a-Service

REMEDATION OPTIONS

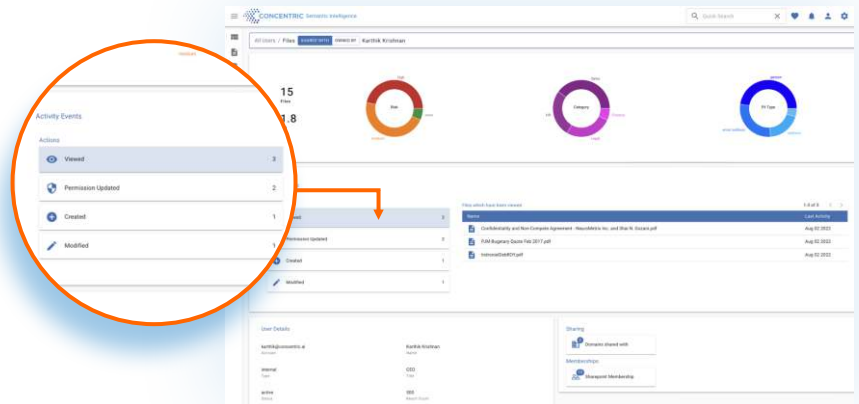


Concentric Semantic Intelligence™ remediates risk by leveraging security management mechanisms already in use at most organizations, allowing you to choose the remediation options that best fit your organization's needs. Our solution can automatically classify documents, change entitlements, or adjust access controls based on risk. Integrations with data loss prevention (DLP) products or document management approaches like Microsoft Information Protection (MIP) enable far more effective protection as a result.

Centrally Update Access Permissions

User 360 offers a user-centric view of each file accessible by a specific employee. Quickly establish usage patterns, spot inappropriate storage locations, and find risky sharing patterns. Compare a user's access and sharing practices with similar users, spot personal email sharing and understand what privacy-sensitive content each user can access. User 360 proactively protects against insider threats and data loss without rules or hard-to-maintain policies.

USER 360



Gain Insights Into User Behavior

Architecture

Concentric Semantic Intelligence™ Solution

Data

- ✓ In the cloud
- ✓ On-premises

Unstructured



Structured



Messaging

- ✓ Microsoft Teams
- ✓ Slack
- ✓ E-mail

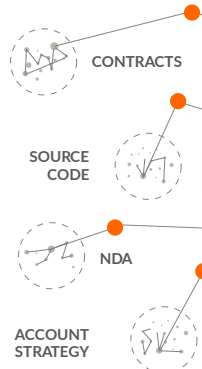
Scan and Evaluate

- AUTONOMOUS OPERATION**
- Advanced natural language processing
 - No rules or regex
 - No policy development
 - No ongoing maintenance

ROLES AND RELATIONSHIPS

- File Location
- Sharing Patterns
- Owner/Creator
- Document Tags

Semantic Clusters



Risk Distance™

- Contract shared outside of Legal
- Documents/ text / attachments shared inappropriately
- Detected misclassified confidential doc
- Doc contains PII but isn't classified

Remediate

RESOLVE ISSUES

- ✓ Auto classify
- ✓ Fix sharing
- ✓ Update permissions/ block access
- ✓ Recall message

INTEGRATE WITH 3RD PARTIES



Concentric

Deep Learning as-a-Service



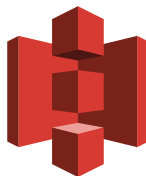
User 360

User-Centric Insights Into Sharing, Activity and Use of Personal E-mail

Broad Connectivity

Concentric Semantic Intelligence™ offers API connectivity to securely scan unstructured data wherever it's stored: on-premises, in the cloud, in email or on messaging platforms.

We support Office365, Slack, Microsoft Teams, e-mail, Amazon S3, OneDrive, Google Drive, Box, Dropbox, SharePoint Online, Windows file shares, PostgreSQL, MySQL, and more ([click here for current list](#)). Continuous autonomous monitoring ensures your data is constantly protected and compliant.



About
Concentric

Venture funded
by top Silicon
Valley VCs

A secure SaaS
solution, API
driven

SOC 2
Type 2
certified



Try Concentric using your own data. Contact us today for a free risk assessment and we'll help you plan your next data security move.

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