CONCENTRIC

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.
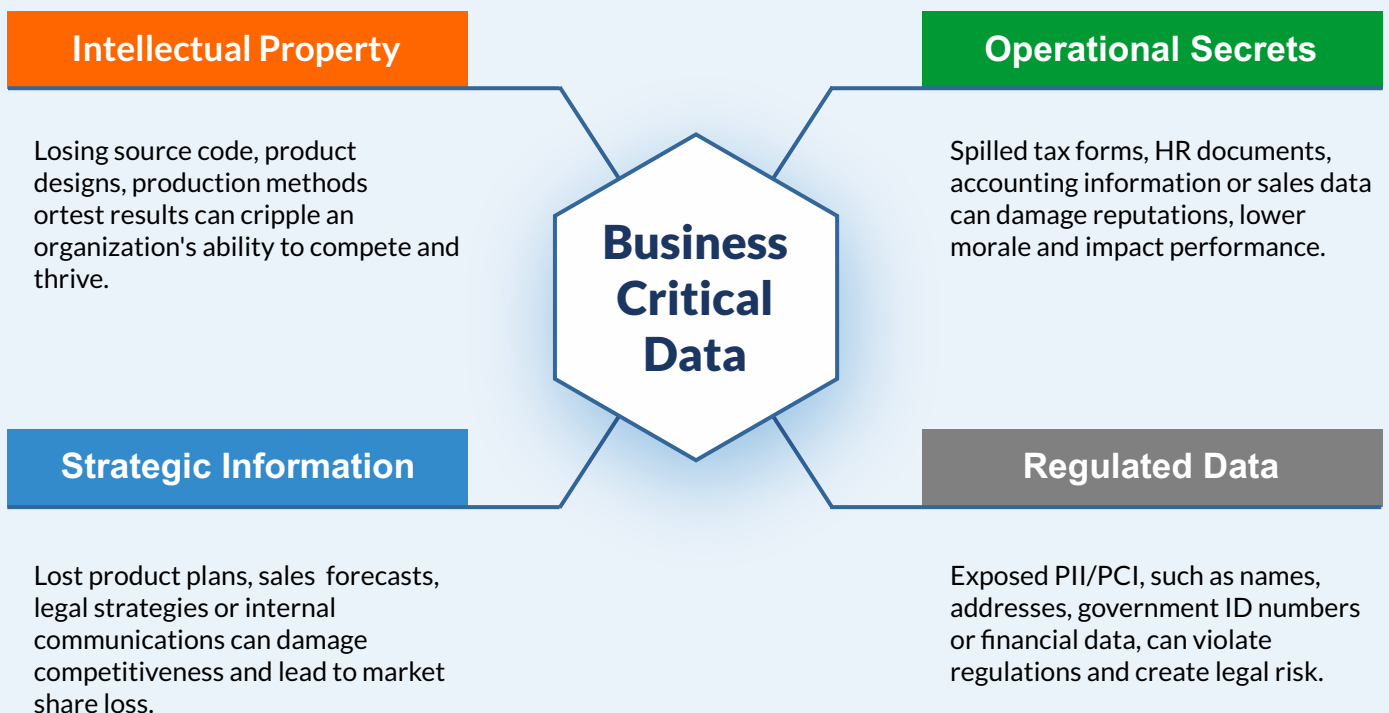
Deep learning organizes data into thematic categories that offer content insights into meaning and business criticality. Risk Distance™ analysis uncovers each category's baseline security practices to spot at-risk individual files. Our User 360 capabilities assess risk through a user-centric lens to 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

Intellectual Property

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

Operational Secrets

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

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.

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Data Categories

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

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.
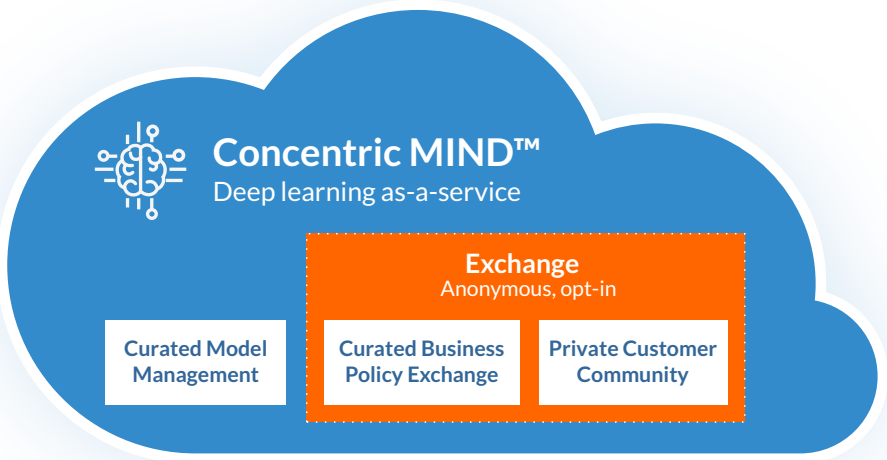

Data Subcategories

RISK DISTANCE ANALYSIS

Semantic Intelligence™ Dashboard
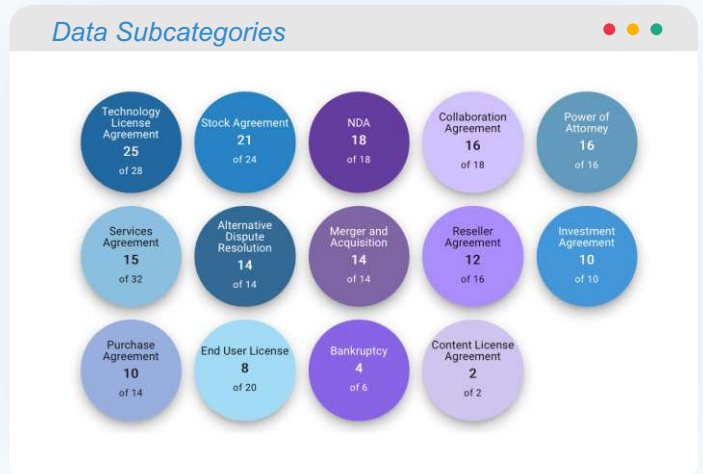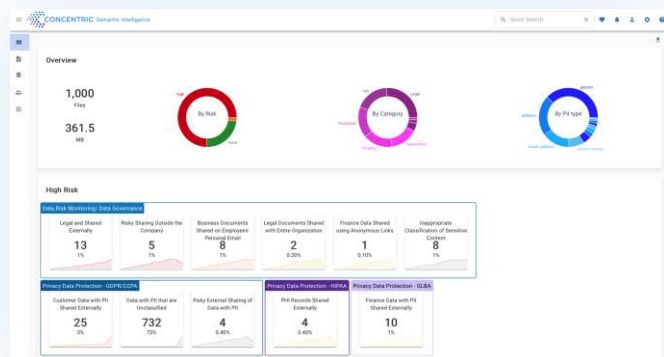
Collectively, the security practices in use within a data category accurately reflect the best judgment of the content owners. Risk Distance identifies risk by calculating the distance from the category's security baseline to each individual data element. Risk distance finds inappropriate sharing, incorrect 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.
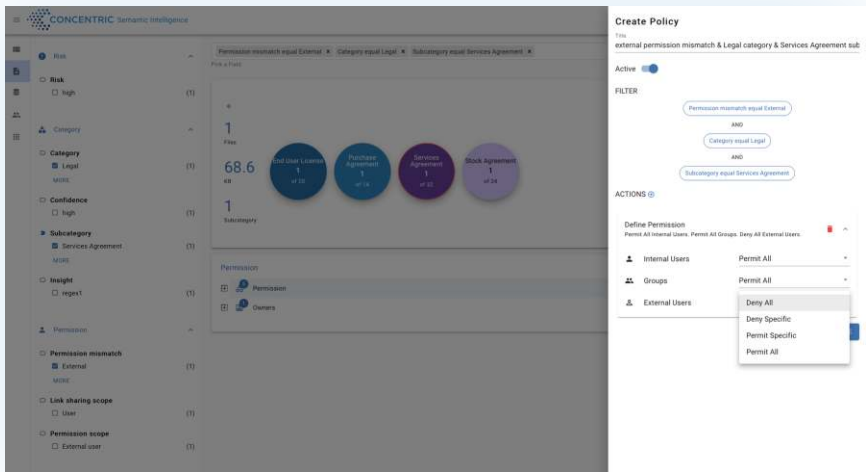
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Centralized MIND, a deep-learning-as-a-service capability, improves categorization coverage and speeds model adaptation by aggregating intelligence across Concentric customers. MIND curates all of Semantic Intelligence's deep learning models (whether 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

Concentric MIND™
Deep learning as-a-service

Exchange
Anonymous, opt-in

| Curated Model Management | Curated Business Policy Exchange | Private Customer Community |

MIND Deep Learning-as-a-Service

REMEDIATION OPTIONS

Centrally Update Access Permissions

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.

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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.
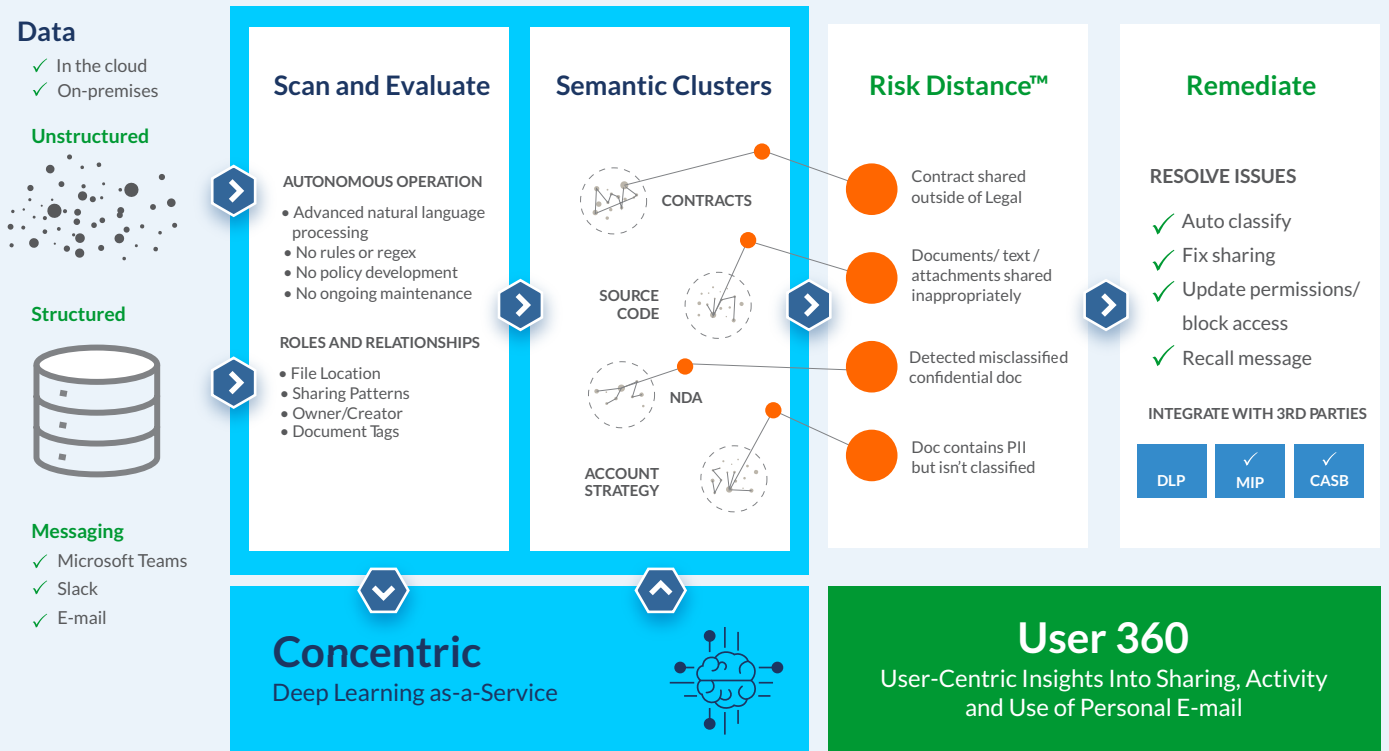
USER 360
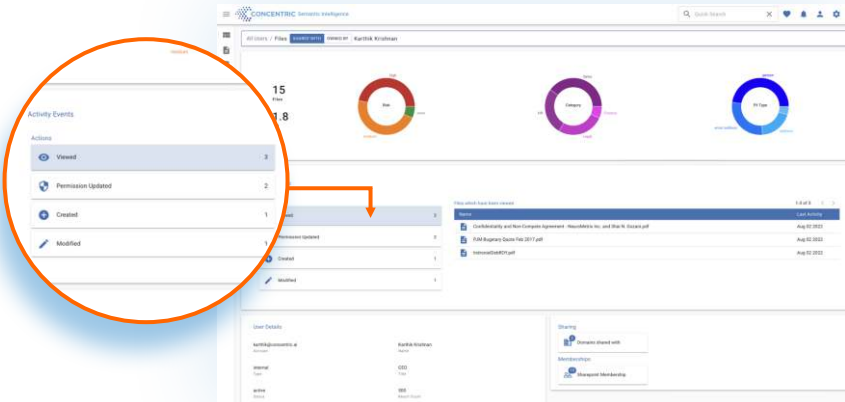
Gain Insights Into User Behavior

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

CONTRACTS

SOURCE CODE

NDA

ACCOUNT STRATEGY

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

DLP | MIP | CASB

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 |

Gartner COOL VENDOR 2021

2021 FINALIST
SCawards
Rookie Security Company of the Year

GLOBAL INFOSEC AWARDS WINNER CYBER DEFENSE MAGAZINE 2021

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

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