

Data Access Governance with Concentric Semantic Intelligence

Autonomously Enforce Regulatory and Compliance Mandates such as Information Walls between users and groups

Challenge

Limiting internal information flows keeps organizations compliant with financial regulations and protects client information from disclosure. Unfortunately, sensitive documents are easy to share but hard to find and evaluate for risk such as inappropriate sharing.

Solution

Concentric's Semantic Intelligence solution automatically scans your environment to locate and assess sensitive data that shouldn't be shared internally. Our deep learning capabilities automate the process for an efficient, effective, and scalable information barrier solution.

Benefits

- Comprehensive protection against inappropriate or illegal information sharing.
- Highly effective without hard-to-manage, rigid rules or end-user markup.
- Instant, ongoing remediation for responsive updates when new documents appear.
- Simple interface for quick access to critical issues.

Financial institutions must strictly control employee access to private client data. Equity traders, for example, shouldn't have access to the bank's non-public corporate client information. Many other corporate activities – such as mergers and acquisitions - also need robust internal information barriers. Unfortunately, sensitive data is often embedded in hard-to-manage documents like financial analysis spreadsheets or business forecast reports.

How can organizations find, assess, and control business-critical information to build effective information barriers between internal groups?

Solution

Concentric's Semantic Intelligence solution has the answer. We scan your environment, identify business-critical data, and uncover any sensitive documents that are available to unauthorized personnel.

Depending on your needs and environment, Concentric can automatically remediate issues or we can integrate with other security solutions and cloud APIs to quickly re-establish information barrier integrity. Our advanced deep learning capabilities go beyond rules or classification tags to protect against careless sharing, compromised users, or insider threats.

Features and Benefits

- **Comprehensive Coverage for Business-Critical Data** – each document gets an in-depth, ongoing review to ensure maximum data security.
- **Efficient and Actionable** – with no rules to write or document tags to add, Concentric makes life easy for your IT staff and your end users. Unlike other AI tools, Concentric’s results are easy to understand and trust.
- **Responsive** – mitigate information barrier violations with Concentric’s native remediation capabilities or through integrations with a variety of third-party security and data stores.

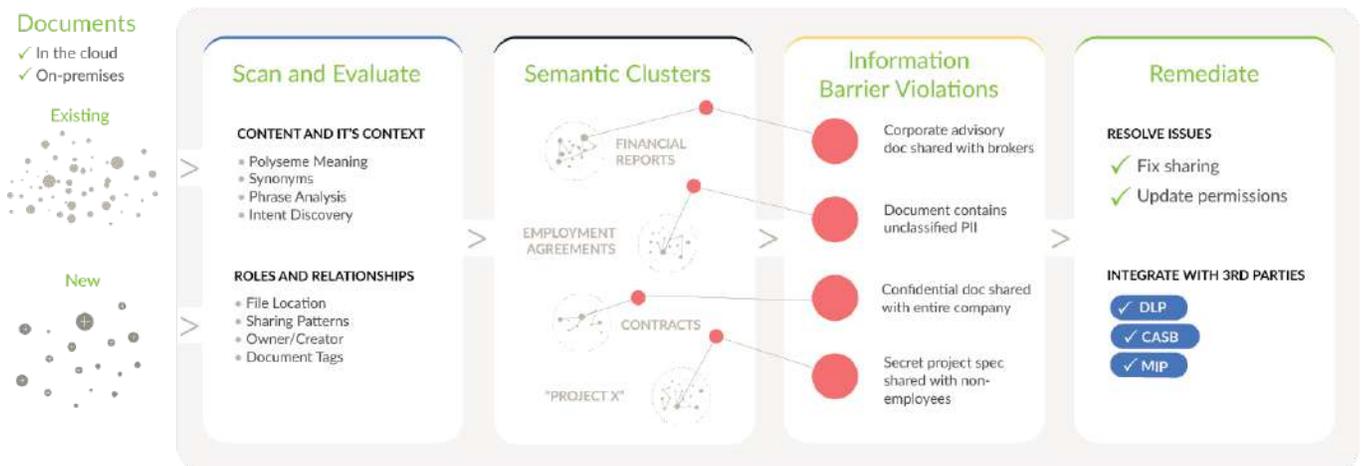


“Continuous access reviews - ensuring only the appropriate folks have access to sensitive data - is a big concern and a problem we have not solved well. Your approach to identifying business critical data and monitoring access across business groups without us having to pre-define policies or rely on end users is critical to helping us meet our regulatory and compliance needs.”



CTO, Hedge Fund

Concentric Semantic Intelligence Solution



Concentric Semantic Intelligence Solution

The above diagram illustrates the Concentric Semantic Intelligence Platform support information barriers.

Unclassified and New Documents

Over 80% of a typical Enterprise’s data is unstructured, meaning it’s stored in a spreadsheet, report, presentation, or other document that’s created and controlled by an end user. There are millions of documents, stored on premises, in cloud storage services, and in cloud applications. Concentric can monitor structured and unstructured data located at your facility, in Windows File Servers, in a Cloud store like Amazon S3, Box, Dropbox, or Microsoft Azure, or within cloud

applications such as Office365 or G Suite. We scan new documents as they’re created in any of your monitored locations.

Scan and Evaluate

Concentric’s deep learning capabilities evaluate each document’s content and context to develop a comprehensive picture of its role and purpose in your organization’s overall environment. This is a completely automatic, hands-free step.

Semantic Clusters

Once scanned, Concentric groups documents into semantic clusters. These clusters contain similar documents that share a similar context.

Contracts, for example, contain typical contract language, are stored in locations used by the Legal team, and are often shared by the same people. Some clusters, like “Project X” in this example, may be more specific to your organization. Our sophisticated deep learning capabilities will identify clusters for these documents as well – even though their business purpose may be unique to your company.

Information Access Violations

Concentric’s ability to identify violations and assess risk is one of the most unique and powerful aspects of our solution. Consider, for example, the “Financial Reports” cluster shown in the diagram. Documents in this cluster share a similar business purpose, are stored in specific servers, are in a handful of directories, and are shared by a consistent group of people. In our example, Concentric found a copy of one of these reports shared with a trader – a clear violation of the organization’s information barrier policy.

To recap, finding this violation was a two-step process. First, Concentric developed a semantic cluster of all financial report documents. Then we looked at each file for anomalies (compared to the cluster and assessed the security risk each posed. Both steps were completely automatic and, in this case, the solution identified a significant information barrier violation.

Remediation

Finally, Concentric provides tools that help you mitigate information barrier violations. Our native capabilities can, for example, fix dangerous sharing settings on a sensitive document. We can also provide information to third-party solutions via API integrations. For daily security risk monitoring, Concentric’s user interface quickly surfaces at-risk files and provides the ability to drill into the details surrounding any issue.

Summary

Concentric’s powerful deep learning technology gives you a semantic understanding of each document for robust enforcement of information barriers. With Concentric, you’ll be able to identify business-critical data, assess the risk posed by each and every document, and take action to correct data leaks within your organization - all without complex rules or unreliable user inputs. Your data speaks for itself. Concentric knows how to listen.

About Concentric

- Funded by top Silicon Valley VCs
- A secure SaaS solution, API driven
- Easily plugs into enterprise data stores; both on-premises and cloud data stores.

Next Steps

As a SaaS solution, Concentric is easy to evaluate using your own data. Contact us today to learn more about our Semantic Intelligence solution and see how it can help you control information and stay compliant.

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