



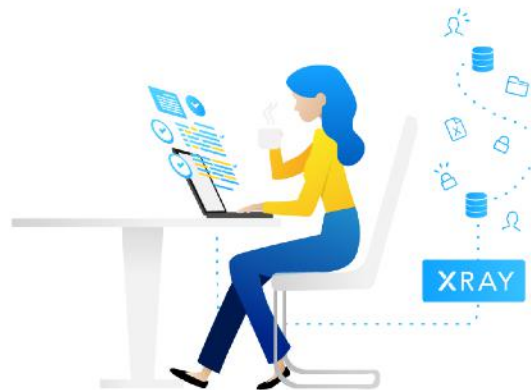
DATA XRAY

Create Order Out of Data Chaos



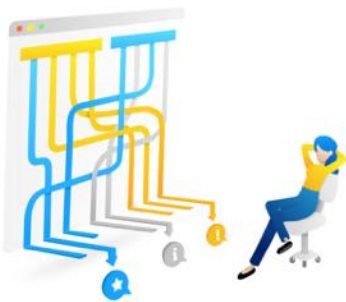
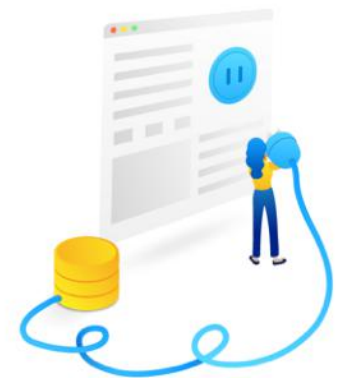
AUTOMATED DATA INTELLIGENCE FOR PRIVACY AND LEGAL TEAMS

Leveraging the power of machine learning to control your data



Integrate in seconds and connect to existing management systems

The Data X-Ray brings your data landscape together in one place. Integration takes just seconds and only requires authentication credentials and network access. From Google Drive to Box to Windows file systems, from SQL to NoSQL, from HDFS to AWS and more. Data X-Ray has full API and Java SDK support for custom integration.



Automated data classification and discovery

The Data X-Ray automatically classifies your data according to your organization's needs so you know where personal and commercially sensitive data is stored. The machine learning algorithms save thousands of person-hours spent detecting data relevant to you.

Search for named entities for data privacy regulation

Searching with confidence for relevant people, legal entities, and clauses in massive and complex data landscapes can take weeks or months in large organizations. The Data X-Ray does this in minutes. Data X-Ray's search features allow you to easily define custom ontologies to get the data you need to fulfill your obligations.



EMPOWERING DATA INTELLIGENCE AND GOVERNANCE IN MODERN ORGANIZATIONS

The state of the art for...

Data Mapping and DSARs

“ It was integrated in seconds. It was a great help to take those first steps towards GDPR readiness and ongoing compliance. ”

- CTO, Anthemis Group

Redaction and Anonymization

“ The Data X-Ray’s automated anonymization removes PII resulting in 99%+ of the records being anonymized. ”

- UK Health and Safety Executive* evaluation report

* The national regulator for health and safety in the United Kingdom

Contract Intelligence

“ Being able to accurately identify which customer contracts contain a particular clause, which ones don’t and then cross reference that to contract start dates, is an incredibly relevant and powerful example of the usefulness of the Data X-Ray. ”

- Head of Contracts Management, Telefonica/O2



COVERING YOUR DATA INTELLIGENCE NEEDS

A powerful solution for use cases including contract intelligence, GDPR/CCPA data classification, subject access/deletion requests, auto-redaction, and breach minimization.



Data Subject Access Request/Deletion

Finding Data Subjects' data across the multitude of data sources that your organization manages is a challenge.

Unfortunately today most of the data discovery work in DSAR matters is manual. The result is that some companies are spending thousands and untold weeks on gathering data about the relevant Data Subject.

With the Data X-Ray, those thousands turn into a low monthly cost, and those weeks into hours.

GDPR/CCPA Data Classification

GDPR, CCPA, and other privacy regulations require companies to know what personal data they have and demonstrate correct management of that data. The Data X-Ray allows you to build data maps of where regulated data is within your organization in just one press of a button. Instead of paying consultants tens of thousands of dollars yearly as your data changes, Ohalo lets the machines do the work, every day, for 1/100th of the cost.

Contract Intelligence

When a company has 1,000s of contracts in multiple data storage systems, contract management systems that depend on staff registering metadata quickly become difficult to manage. The Data X-Ray can index intelligence about contracts including relevant counterparties, existence of and deviation from standard clauses, dates within contracts, and whatever else you define in your custom ontologies. The end result is that search processes that took days or months now take a matter of minutes.

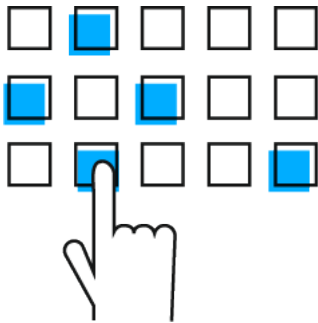
Auto Redaction for Unstructured Data

Creating useful data for your data scientists in the context of data privacy regulation requires a knowledge not only of where personal data is, but the ability to remove that personal data. The Data X-Ray's auto-redaction capabilities take you from a world where a human can read and remove 10 words per second to one where you can analyze and remove 100,000 words per second at a similar accuracy rate.

Improve security and Increase Performance

AUTOMATING THE TIME CONSUMING AREAS OF DATA GOVERNANCE

Delivering value to line staff and subject experts to do their job better



Consistent updating of your data maps

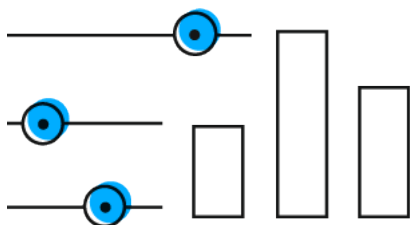
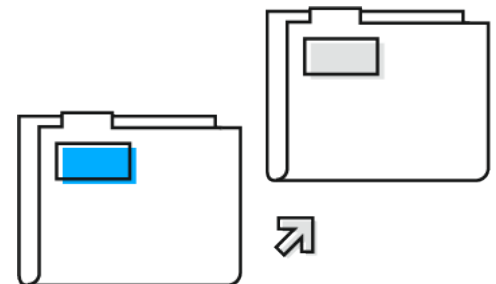
Today it takes humans sometimes days or weeks just to review a single datasource. An entire corporate data map can take years.

With the Data X-Ray you can define data taxonomies to build custom algorithms for data classification. The result? You can do what it takes humans years to do in a day, at 1/100th of the cost.

Subject access and deletion request search and auto-redaction

Poorly managed data subject access and deletion requests or inadvertent leakage of personal data are often the first step towards regulatory complaints.

With the Data X-Ray casefile export and auto-redaction workflows, this data can be managed easily and at scale.



Uncover document context at scale

Find data that can present opportunities or risks to your organization. The Data X-Ray will quickly uncover clusters of personal data, counterparties and clause exclusion/inclusion in contracts, non-personal sensitive data, and more so that you can take those next steps to reduce risk to the organization and increase revenue.

GENERATING INSIGHTS INTO YOUR LEGAL AGREEMENTS

Search at blazing speed for the clauses and counterparties that you care about



Connect across your storage repositories

Your legal documents may be stored across custom contract management systems, cloud storage like Google Drive, Box, or One Drive, or stored in on premise Windows drives. Regardless of where the data is, you can connect to it easily with the Data X-Ray so that you can get going quickly.

Automatically index document intelligence

The Data X-Ray's indexing features will constantly crawl your data to give you the most up-to-date insights. The Data X-Ray pulls back not only data relevant to textual search of document contents but also insight about that document such as which model clauses are in the documents, what counterparties or people were mentioned in the documents, and date types.



Group documents by risk, key customers, standard clauses, and more

The Data X-Ray allows you to define ontologies that make sense to your organization. This is easily done through the frontend to build out tagging frameworks that work with your workflows and is assisted at launch by an Ohalo team that will get you started and ensure that you see value from the first week you have the Data X-Ray installed.

Securely integrate back to contract management applications

No application is an island and a typical company may be running multiple applications that help the organization's legal and privacy teams deal with the multiple matters that they deal with on a daily basis. The Data X-Ray's RESTful API allows easy integration to most modern applications.



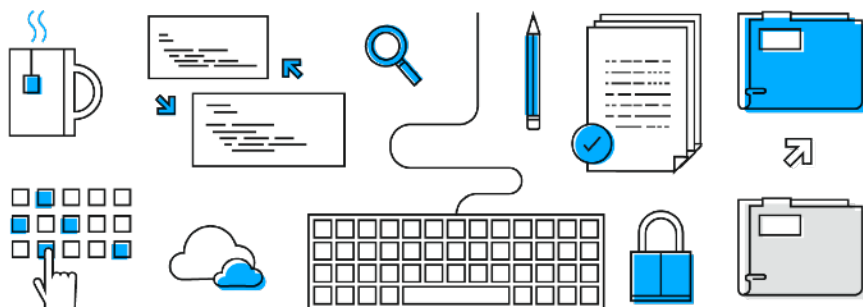
Because it can be installed both as a managed service and in your environment, no data ever need leave the safe confines of your firewall. Our managed service is run by our devops team that is ISO27001 and CyberEssentials and CyberEssentials+ certified.

GDPR COMPLIANCE: A CLOSER LOOK

The GDPR principles are about transparency, processes, and controls

The 7 Key GDPR Principles

Lawfulness, fairness and transparency	The Data X-Ray provides a view over your data so that you can be completely transparent with clients, auditors, and partners about how you are managing your data over time.
Purpose limitation	The labeling features of the Data X-Ray make sure that you can keep track of why data is being used and establish the legal basis for the usage of data.
Data minimisation	The Data X-Ray reveals data that you might not know that you have. If the data is no longer relevant, you can easily label the data for deletion. This also reduces risk during a data breach, if one should happen.
Accuracy	Data is dynamic. The Data X-Ray enables regular monitoring of your data with fast, easy, and rapid scanning as regularly as you choose. This makes it easy to keep track of your data over time so that you can know when data is out of date or should be deleted.
Storage limitation	By connecting to, scanning, and reporting on data on a regular basis, the Data X-Ray keeps track of how data classification has changed over time. You can use this information to take action on data that is no longer relevant or requires renewal.
Integrity and confidentiality (security)	While the Data X-Ray cannot prevent data breaches, it keeps track of where sensitive data is so that you can limit your attack surface to only that data that is necessary to run your business.
Accountability	The Data X-Ray provides a beautiful UI to show to clients, auditors, and regulators. If you want to integrate the Data X-Ray output into your native visualization and reporting tools, you can easily do that through the API.



California Consumer Privacy Act (CCPA)

UNDERSTANDING THE CCPA

Major Differences to GDPR and How to Prepare

Key Compliance Points

- | | |
|--|---|
| 1) Data Mapping | The CCPA requires companies to be aware of what data they hold and what category that data falls into. But, in contrast to GDPR, the CCPA is very specific about the types of data that might fall under its remit (everything from household identifiers to olfactory information). The Data X-Ray automatically maps and categorizes your data to meet this fundamental CCPA requirement, reducing the work that it may take a year to do manually to a matter of minutes. The Data X-Ray maps your data consistently, every day, at 1/100th the cost of manual processes. |
| 2) Data Access, Deletion, and Sales Restriction | <p>Similar to GDPR, once a company has a data map, it must let their customers access their data and delete that data, if requested. One crucial difference though is that the CCPA lets consumers restrict sales of their data as well.</p> <p>Compliance here essentially comes down to identifying specific records about people and taking action (access, deletion, restriction, and updating) on those records. During GDPR implementation, many companies found identifying individual records to be very challenging and were overwhelmed with the number of requests coming in. Manual processes involved emailing various departments and ended up costing these companies \$10,000s per request. The Data X-Ray allows Ohalo clients to simultaneously search through multiple databases and file servers to strictly and efficiently find information about individuals while avoiding false positives.</p> |
| 3) Broader Personal Information Scope than GDPR | While the GDPR limits personal data to data that can identify an individual, the CCPA extends that definition to include data such as household information. The Data X-Ray has algorithms that accommodate the extra data classes in the CCPA to get your company up and running in minutes. |
| 4) Potentially Larger Fines and Litigation Based Regulatory Action | CCPA allows for regulatory action by the Attorney General or by a class action lawsuit. The fines under CCPA are not limited by regulation but by what a Californian court will uphold, potentially magnitudes greater than GDPR fines. It is therefore essential to be able to demonstrate best practice over time and keep an audit trail of data management. The Data X-Ray allows you to schedule data mapping automatically so that you can prove your best practices over time. |

Security and Scalability

TOTAL SECURITY FOR YOUR DATA

Customized networking and security, support for enterprise datasource types, and API access



Support for enterprise grade datasources

Out of the box, the Data X-Ray supports the most common datasource types, with native support for SQL databases, One Drive, Windows file systems, and more. All deployed in your own environment so you can be sure your data is secured.

On premise and private cloud support

A modern enterprise will have a diversity of data sources that power their bottom line. Ohalo's connectors support both cloud and on premise from a single solution so you can easily monitor your cloud object storage and your internal databases with a couple button clicks.



API support for data governance risk

No tool is an island. Comprehensive API support means that you can easily integrate the Data X-Ray results into existing data catalogs, document management systems, data visualization tools, and other internal and external systems that are key to your organization's operations.

Technical Specifications

DEPLOYED IN A MANAGED SERVICE OR IN YOUR ENVIRONMENT

	Managed Service	On Premise and Private Cloud
Cloud Data Sources		
Managed file storage (Google Drive, One Drive, and Box)	✓	✓
Cloud data storage (AWS RDS, Azure Blobs, Heroku PostgreSQL, etc.)	✓	✓
Email (Individual accounts via IMAP)	✓	✓
On Premise and Private Cloud		
Email (corporate services accounts (via IMAP))	✓	✓
Windows/Linux file systems (via SMB connector)	✓	✓
SQL (MySQL, Microsoft SQL, Oracle, PostgreSQL, etc.)	✓	✓
NoSQL (MongoDB)	✓	✓
Natural Language Processing API (JSON and free text)	✓	✓
Optical Character Recognition (OCR)	✓	✓
Custom Rules/Models (basic classification machine learning, NLP machine learning, dictionaries, and regular expressions)	✓	✓
Structured Data Analysis (all languages)	✓	✓
Unstructured Data (Western languages only)	✓	✓
Data Tracking (tags and issues)	✓	✓
Named Entity Search and Export	✓	✓
Auto-redaction	✓	✓
Teams	Unlimited	Unlimited
Unlimited support (M-F 8:00-17:00 London time)	✓	✓
No Setup Fees	✓	✓
Deployment	N/A	Linux, 500 GB storage, 32-64GB RAM, 4-8vCPUs.
Data Security	ISO27001 CyberEssentials CyberEssentials+	ISO27001 CyberEssentials CyberEssentials+
Fully Managed	✓	N/A

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OHALO

Visit us: <https://www.ohalo.co>

Set up a live demo: <https://www.ohalo.co/demo>

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