# eDiscovery 2021 Buyer’s Guide

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Welcome to Legal Tech Publishing’s 2021 eDiscovery Buyer’s Guide

By: Cathy Kenton and Brian Dalton

For most of the last two decades, eDiscovery has dominated the legal tech landscape. And there is nothing to indicate that will change. Litigation is an ever-increasing reality, as is electronically stored information (ESI). From documents to audio and video recording to mobile devices and social media, eDiscovery continues to evolve with our society.

This Buyer’s Guide explores technologies that help lawyers and law firms identify solutions available to you for your eDiscovery projects.

Use this guide to explore the latest in this ever-growing legal tech category.

To your success,

**Cathy Kenton,**
CEO, Legal Tech Media Group/
Legal Tech Publishing

**Brian Dalton,**
SVP, Breaking Media

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**Cathy Kenton**, CEO, Legal Tech Media Group/ Legal Tech Publishing

**Brian Dalton**, SVP, Breaking Media
AI & Analytics

Casepoint’s Newly Updated CaseAssist Accelerates Data Review and Analysis

H5 Matter Analytics Enhances eDiscovery and Speeds Privilege and Privacy Identification

Leverage Speed and Cross-Matter AI to Improve Productivity, Reduce Review, and Save Time with DISCO Ediscovery

Get a Handle on eDiscovery Data Early, Reduce Costs, and Improve Outcomes with IPRO discovery Enterprise
The CaseAssist Active Learning dashboard visuals include the system’s learning rate, ranking, verification, and F-Measure scores, including precision, recall, and accuracy.”

Company Name Brand
Casepoint

Product Name Brands
Casepoint Legal Discovery Platform,
CaseAssist

Latest Developments and Updates
• CaseAssist, Casepoint’s AI and analytics suite, has been augmented significantly with enhanced visualizations.
• Refined legal hold with additional cloud collection and Casepoint Intelligent Processing.
• Case Summary, a new capability, enables legal teams to efficiently create case narratives by combining documents and facts, and helping develop a legal strategy.

Managing Discovery Data
Managing discovery data throughout the litigation life cycle remains a daunting task. Casepoint has developed and refined CaseAssist and its legal hold capabilities to assist clients with discovery project challenges. Through the development of CaseAssist and its visualization, Casepoint identified ways to locate critical information more quickly.

Customizable Interface
The user interface (UI) is straightforward, and each user has options tailored to their role. An administrator will have additional functionality compared to a user who is only doing document review. Users can customize their experience by clicking on their profile and selecting their mode (comfortable, cozy, or compact), Casepoint colors, and a theme, much like themes within the Windows environment. If a user has more than one role in the database, their profile is where they can switch roles. These features are easy to modify.

The left side of the UI gives a user the ability to navigate to broad areas including, but not limited to, data sets, search history, folders, batches, analytics, email threading, and similar documents. Clicking on any of

Figure 1: The document viewer’s far left panel provides navigation to view families, email threads, and similar documents. The left side shows a list of documents, a preview of the selected document appears in the center, and the right side displays the coding panel that allows you to segregate and tag documents.
With CaseAssist Active Learning, a user can set up models to learn from a binary decision such as relevant or non-relevant, or a multi-select decision like a breach of contract, tortious interference, and perhaps some third cause of action.”

These options show the user sub-areas of navigation. For example, a user can click on Folders and see a panel of all folders for the case. On the far right, there is a drop-down action button specific to the user’s role. Administrators will have all of the options available, whereas document reviewers may have limited options. Additionally, Casepoint utilizes ellipses to open contextually appropriate actions throughout the application. Users will appreciate the ease with which they can move around the database. See Figure 1 on the previous page.

Searching and Indexes
Casepoint provides multiple ways to search through databases. Users choose whether to index their data with dtSearch or Elasticsearch, a feature unique to Casepoint. Most users cannot tell the difference between dtSearch and Elasticsearch, so most tend to stick with dtSearch. However, it is essential to note that Elasticsearch tends to provide faster results, regardless of the application being used.

In addition, users can have multiple indexes in a case. While that may not be needed, users might want to consider creating an index that encompasses incoming productions. Utilizing multiple indexes can create some confusion, so it’s advisable to implement clear protocols if they are employed.

The basic search bar at the top of the document screen allows users to type in Boolean search syntax, and as a user types, the list of documents is refined. The advanced search page is where users can build complex searches. Users can choose specific fields and use stemming and phonics in a search. Users can click on a word in the dictionary, the cloud feature (think mid-early 2000s and overlapping word bubbles), or the circle that shows a word at the center with lines to different senses or meanings of that word—and the selection is added to the search. Because not all users have the same experience in building complex searches, Casepoint has added a feature to validate their search syntax, or an error message will appear if there is an issue. Corrected search or recommendations are not provided. See Figure 2.

CaseAssist
CaseAssist provides several valuable tools to enhance productivity and improve results. The CaseAssist Active Learning dashboard visuals include the system’s learning rate, ranking, verification, and F-Measure scores, including precision, recall, and accuracy. See Figure 3 on the next page.

With CaseAssist Active Learning, a user can set up models to learn from a binary decision such as relevant or non-relevant, or a multi-select decision like a breach of contract, tortious interference, and perhaps some third cause of action. CaseAssist is tied into the batching system so that it will feed documents to the reviewers who are likely to be responsive. It continually makes predictions about documents that have not yet been reviewed. As the review progresses, the visuals will change to reflect progress and validate coding decisions.

Figure 2: Casepoint’s email threading presents options to view email conversation threads containing related emails for efficient review and tagging.
These are powerful visuals for counsel, opposing counsel, and the court to negotiate on productions.

**Pricing**
The pricing model is based on storage. The system can be wholly self-serve, or users may engage Casepoint's seasoned professional services team for assistance at an hourly rate.

**Who is Casepoint?**
Casepoint is a global software and service provider with several offices across North America, including Minneapolis, Dallas, and Los Angeles, with headquarters in Washington DC, international locations in India, and data centers in the US and EU. There are approximately 600 employees globally, with over 70 based in the US.

Initially, as with most software and service providers in the space, Casepoint was law firm-centric. As times changed, their client base morphed into a combination of law firms, corporations, government agencies including federal, state, and local governments, and legal service providers. Clients use Casepoint for general litigation, internal investigations, data breaches, and compliance matters. Rather than merely meeting the 80-20 rule of the needs of litigation cases, Casepoint made a deliberate decision to meet as many use cases as possible, which they refer to as the 95% rule.

**Why Casepoint?**
- CaseAssist analytics and visualizations provide advanced insight to facilitate more effective and strategic decisions.
- Upgraded legal hold streamlines and accelerates preservation activities.
- Expanded cloud collection includes a broad spectrum of sources, including Google Vault, Slack, Slack Enterprise, Microsoft 365, One Drive, Box, Dropbox, and Gmail.
- A powerful processing tool with a strong error detection feature to make processing easier.
- Casepoint Academy offers several certifications, including data analytics, organization administration, effective data management, advanced analysis, post-processing QC and review setup, review management, reviewer, and data processing.

**Try Casepoint Today!**
Ready to see Casepoint in Action? Request your customized demo today.

"CaseAssist is tied into the batching system so that it will feed documents to the reviewers who are likely to be responsive. It continually makes predictions about documents that have not yet been reviewed. As the review progresses, the visuals will change to reflect progress and validate coding decisions."

![Fig 3](image)

**Figure 3:** CaseAssist Learning presents easy-to-read visuals to aid the litigation team in determining review accuracy, which is very handy for negotiating search and review protocols.
Leverage Speed and Cross-Matter AI to Improve Productivity, Reduce Review, and Save Time with DISCO Ediscovery

"A bonus for users putting together exhibits for depositions and trials is that they can add documents to an exhibit set directly from the review screen. A huge time saver."

Company Name Brand
DISCO

Product Name Brands
DISCO Ediscovery, DISCO Review (managed review service)

Latest Developments and Updates
• Cross-matter artificial intelligence (AI).
• Speed improvements for searching and document rendering.
• Just-in-time batching for review.

Intuitive Independence
Supporting self-service has become a big focus in the eDiscovery industry. While DISCO has a talented team of professionals to support matters of all sizes, they have also answered the call and provided a platform that facilitates client independence, DISCO Ediscovery. All of the major administrative features are intuitive. DISCO provides an easy-to-follow drop-down menu across the top of the screen that mirrors the workflow of the eDiscovery life cycle, from ingestion and setup through production and exhibit creation. See Figure 1.

Four Keys to eDiscovery Productivity
Four key features that make DISCO Ediscovery stand out are cross-matter AI models, incredible speed in searching and rendering documents, intuitive and interactive visualizations, and DISCO AI.

Figure 1: The drop-down menu illustrates case workflow, beginning on the left and moving towards the right.

Figure 2: Like filters used in shopping applications, users can intelligently reduce search results by selecting areas of interest, such as date ranges, folders, or document types.
Cross-matter AI allows a user to leverage the learning accumulated from previous cases and carry it over into other matters. For example, in the case of serial litigants, perhaps a biotech or automotive company, there may be similar issues in research and development. By applying cross-matter AI to previous cases, the same issues can be predicted in a new case. Similarly, privileged documents can be identified as potentially privileged based on past cases. Leveraging cross-matter AI can reduce hours and translate into significant monetary savings.

DISCO employs elastic search for indexing, which results in rapid search results. You can search through the basic search bar or by using the advanced search functionality. When a user clicks on a document, the document images typically render in less than a second. The review screen is laid out in three sections to keep information accessible and organized, with reviewer tagging and actions on the left, the document viewer in the center, and related documents and metadata links on the right. A bonus for users putting together exhibits for depositions and trials is that they can add documents to an exhibit set directly from the review screen. A huge time saver. Additional exhibit management features include organizing exhibits via drag-and-drop, providing placeholders for physical exhibits, offering specific fields that can be modified, and downloading a set as individual .pdf files or one large file. You can reduce search results by using the filtering options within DISCO. Just as someone might narrow down a shopping, movie, or music selection, a user can click a date or tag in the left panel to pare down the results of their search. See Figure 2 on the previous page.

Enhanced Searching with Visualization
DISCO uses visualization of filtered content to allow even the newest user a simple way to run searches without knowing the proper syntax. Documents are represented on a timeline and in sections for custodians, document types, and tags. There are also sections for email domains, senders, recipients, predictive tags, and predictive tag changes, with the last two of those sections based on results from AI. All of the sections are interactive and will generate search results by simply clicking on them.

Consider the wonderful dataset from Enron that includes data from its then-managing director for research, Vince Kaminski. Vince had multiple email accounts and aliases. Using the sender and recipient visualization sections, a user can click on all the emails and aliases and add them to a search. The simplicity of the interface makes it easy even for a novice. See Figure 3.

Just-in-Time for Review
DISCO AI uses just-in-time batching which leverages all previous tagging decisions. Rather than creating review batches ahead of time, batches are generated

Figure 3: Visualizations show so much information all on one screen. Users of all experience levels can merely click in any of the sections to create an instant search.
when a reviewer is ready and leverage the knowledge or learning up to that point. This ensures reviewers will get the most intelligent batches, and the document review will be more productive. Using the intuitive document review feature, reviewers can leverage the power of AI, email threading, and conversations, to ensure consistent tagging. The robust QC features built into the system will identify any anomalies. By combining this efficient review with accelerated rendering, clients have seen review speeds upwards of 90 documents per hour—saving time and money.

Pricing
DISCO uses a transparent pricing model that is per gig, all-inclusive. There are no extra charges for analytics or users, providing clients with predictability. Managed review services are available on a per-case basis. DISCO can be completely self-serve, or you can engage their professional services team to assist with day-to-day operations per hour and as needed.

Who is DISCO?
DISCO was founded in 2013 with the vision of replacing conventional eDiscovery tools with an integrated technology-focused solution. Since that time, DISCO has expanded its operations and offerings to provide a full-stack solution to address and simplify eDiscovery, legal document review, and case management. DISCO is headquartered in Austin, Texas, and is led by Kiwi Camara, its founder and chief executive officer. As of March 31, 2021, DISCO had 909 enterprises, law firms, legal services providers, and government organizations as DISCO customers.

This has been a huge year for DISCO, having closed its IPO at the end of July and now trading on the New York Stock Exchange with the ticker symbol LAW. They are building an ecosystem with a goal of providing clients a one-stop shop for their legal data management needs.

Why Use DISCO Ediscovery?
• Intuitive platform with powerful analytics enabling a user to work smarter.
• Super-fast rendering and search, saving significant time and almost doubling review rates.
• Cross-matter AI leverages prior information to improve project results.
• DISCO University provides on-demand training and certifications.

Try DISCO Today!
See DISCO in action! Meet with our team to see for yourself the power of DISCO.
H5 Matter Analytics Enhances eDiscovery and Speeds Privilege and Privacy Identification

“Matter Analytics’ active learning allows you to apply cutoffs to review by picking thresholds and points in the review. You can also run an Elusion test for data sets without integrated control sets, or if a control set is used, measure using a full precision and recall assessment.”

Company Name Brands
Lighthouse Document Technologies Inc. (US) and Lighthouse eDiscovery Europe, Ltd. (UK)

Product Name Brand
H5 Matter Analytics

Latest Developments and Updates
• Lighthouse acquires H5 to strengthen its eDiscovery and information governance products and services.
• Privilege Log Design Module simplifies and expedites the privilege logging process.
• H5’s active learning capabilities will be generally available in September to manage document diversity and prioritize relevant content for review.

Analytics Drives Improved Insight
eDiscovery software without data analytics obliges legal professionals to export data to another application, incurring additional costs, replicating data, and creating data management challenges. It is more productive to keep the information where it is and bring analytics software to it.

H5 Matter Analytics accelerates document review in Relativity and the Relativity platforms. The software utilizes Relativity’s Application framework (RAP) and analyzes and evaluates workspace documents and complex email threads to create efficiencies and improve eDiscovery workflow management. It identifies potentially privileged content, personally identifiable

Figure 1: H5’s structured analytics capabilities power privilege identification with a name normalization and entity analysis algorithm that automatically identifies and categorizes organizations and privilege actors.
information (PII), personal health data, and other information relevant to eDiscovery and investigations. Matter Analytics also supports active learning technology to prioritize documents for review and enables precision and recall measurement to assess the efficacy of the review.

**H5 Structured Analytics**
A foundation of Matter Analytics lies in its structured analytics for email threading and name normalization. H5 can home in on header identification and enhance the accuracy of thread associations and groups and consider all participants in an email. Matter Analytics works in Relativity, automatically integrating analytics into multiple objects and using Relativity document viewers while adding data analytics tabs and menus.

It’s easy to use analytics in Relativity to search a workspace document set, apply an algorithm to generate new fields, and analyze the results. H5 offers various algorithms, including name normalization and entity analysis, email threading, deduplication, privilege analytics, PII identification, and active learning.

**Name Normalization**
When you apply an algorithm to search results, such as name normalization, a form prompts you to choose the generated fields. See Figure 1 on the previous page.

The name normalization form creates rules to automatically classify and prioritize the function and organization for profiles of individuals associated with specific domains. For example, load up hundreds of law firms by domain and automatically categorize their functions as privileged. Use name normalization with privilege logs to gather metadata on individuals’ titles, departments, managers, and other employee identifiers.

Name normalization identifies people in email top level and sub-headers. It takes a step forward from other analytical software by further identifying where people are present in email message bodies and other documents. The algorithm automatically reports on all organizations and the people within them that communicate in the data. Reports show the top people communicating in various organizations.

H5’s services have analyzed over 300 million documents for privilege identification. H5 Matter Analytics incorporates learnings from their services, putting together libraries of known organizations, both domestically and internationally. Matter Analytics can identify law firms, government agencies, educational institutions, and personal emails from

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**Figure 2:** Preview analytical results in graphical reports and drill down to see statistics and identified people in H5 Matter Analytics before getting billed for creating fields and objects in the workspace.
H5 uses linguistic models instead of machine learning to identify personal information and apply tags across document populations. Linguistic methods are adept at modeling specific expressions, such as legal concepts, PII, and private health information (PHI).”

pre-developed libraries of domain names and email providers.

**Analytics Reporting**
Matter Analytics provides top-level reports on algorithms applied to datasets before billing against a license and writing the results to the workspace. The software can suspend the creation of new analytical fields and objects, allowing you to preview summary and detailed reports of duplication, potentially privileged content, PII, name normalization for top communicators, and more, before billing occurs. *See Figure 2 on the previous page.*

**Privilege Identification**
H5 has modeled more than 500 legal concepts to reduce the effort necessary to categorize and identify privileged documents. Matter Analytics groups potential privilege content into three tiers. Tier one includes client-attorney communication, where privileged actors are in the top level or sub-email headers. Tier two identifies attorneys mentioned in the message body or document. Tier three identifies legal concepts in email discussions or documents. Combine tiers and other tagged data and filter it to look at communicators, who they’re communicating with, and the content of their messages. When you activate the previewed results, use Relativity document viewers to take analytical insights to the next level. Matter Analytics uses Relativity’s integration paths to incorporate unused space below the Relativity viewer with maps and conversational email views. *See Figure 3.*

In a mapped view, Relativity document tagging can be displayed as dots on the map view. In Figure 3, the red dots indicate tags applied by Matter Analytics, and the blue dots represent tags used by human reviewers. Red and blue spines alongside messages show different communicators—red for privilege actors and blue for privilege breakers, e.g., third-parties to client-attorney communications. For example, the email message in Figure 3 forked to a privileged actor and a privilege breaker, so the document is unlikely to be privileged.

The conversational view of the message distills all unique message content across a thread. You can review the content in one stream without looking at a specific document in Relativity. View the privilege concepts, communicators, third-party privilege breakers, and scroll through the content from one end of the map view to the other. You can edit documents directly from the map and conversation view and save the tagging layout to include H5 concepts and privilege reasons.

The H5 Privilege Log Design Module simplifies and expedites the privilege

![Figure 3: H5 Matter Analytics thread viewer combines a map and conversational view of an email thread inside the Relativity document viewer.](image-url)
logging process using **name normalization** outputs and automated, customizable privilege reasons assigned to each potentially privileged document. The module makes it easy to design and create privilege logs from search results and reuse the design for subsequent logs in the same workspace. You can also bring any Relativity field or combination of fields into the log design and preview documents in pop-outs without opening them in Relativity. In edit mode, quickly release documents from the log and adjust the content as necessary.

**Personally Identifiable Information**

H5 uses linguistic models instead of machine learning to identify personal information and apply tags across document populations. Linguistic methods are adept at modeling specific expressions, such as legal concepts, PII, and private health information (PHI). Similar to privilege, Matter Analytics applies two confidence levels in identifying personal data in documents: likely and potential. Documents deemed likely to contain personal information often have co-occurring instances of private data, such as a credit card number and a CVV code.

Matter Analytics can find documents with the potential to contain private data using less stringent rules such as a document containing sparse indicators of personal information or only regular expressions (regex). Additionally, you can add PII targets through Regex support. This gives you complete control to expand results based on privacy regulations or applicable data breach criteria not natively supported.

H5 detects and reports on unique Social Security and credit card numbers found across a data set, which documents have the highest concentration of PII, and how PII intersects with custodians. Combine the PII with other document data, such as people or contact information, and compile a list of documents for data breach review. PII can also be used to add or link content to people's profiles and contact cards to assemble contact list information in the context of a data breach review.

**Active Learning**

Active learning in Matter Analytics manages and prioritizes the relevance and diversity of content in document reviews. It simplifies setting up active learning in Relativity by integrating control sets. As you start each active learning job, a job monitor provides an estimated yield of relevant documents and the status of precision and recall estimates.

Matter Analytics also supports score distribution reports and charts of diminishing returns to view the daily ebbs and flows of identifying relevant documents in a review. Matter Analytics’ active learning allows you to apply cutoffs to review by picking thresholds and points in the review. You can also run an Elusion test for data sets without integrated control sets, or if a control set is used, measure using a full precision and recall assessment. Validation samples are automatically created as saved searches in Relativity.

H5 identifies document diversity with email threading, text duplicate identification, and concepts. The active learning features allow you to move the diversity scale up or down in advanced settings, skewing review queue composition to be more relevant or diverse.

**Relativity Compatibility**

Matter Analytics is compatible with Relativity Server versions 10.0 to 10.3 and RelativityOne. The app easily installs in Relativity via a RAP file. A new customer setup takes approximately 45 minutes.

**Who is H5?**

Seattle-based **Lighthouse Document Technologies**, an eDiscovery, compliance, and information governance software provider acquired H5 in August. H5 combines human expertise, linguistics, analytics, data science, and AI technologies to meet the eDiscovery challenges of law firms, legal departments, and other organizations. The company's 250 plus employees have joined Lighthouse, including Dr. Lon Troyer, who joins the leadership team as vice president of review and advanced analytics.

**Why Buy H5?**

- H5 Matter Analytics works inside the Relativity and RelativityOne platforms, where you can preview results before you buy.
- Utilizes linguistic modeling trained by experts in the real world to help reduce downstream review volumes and provide helpful insights to mitigate risk.
- Unique use of linguistic modeling improves the accuracy of identifying legal concepts, PII, and PHI in documents.

**Try H5 Today!**

Learn how to optimize eDiscovery with a **demo of H5 Matter Analytics**.
Get a Handle on eDiscovery Data Early, Reduce Costs, and Improve Outcomes with IPRO discovery [[ Enterprise

Configure templates with custom workflows, coding forms, and tag palettes. Reviewers can access their review sets with one mouse click.”

Company Name Brand
IPRO LLC

Product Name Brand(s)
IPRO discovery ][ Enterprise, IPRO assess ][ HOLD

Latest Developments and Updates
• IPRO discovery ][ Enterprise’s modern document review interface makes it easy to view and tag relevant documents.
• Enhanced visual search interface makes complex searching easy with an interactive experience and requires no training.
• Advanced Assisted Review AI enables reviews to be served up with the most relevant documents.
• Compare Similar allows for quick identification and comparison of near-duplicate documents.
• IPRO discovery ][ Enterprise features added support for single sign-on (SSO) and two-factor authentication (2FA).

• Added connectors for Slack, Teams, and Gmail.
• Full integration of IPRO assess ][ HOLD and IPRO discovery ][ Enterprise.

Handle Increasing Volumes of Data
Unstructured data grows dramatically from the increased use of collaboration and file-sharing platforms as well as the work-from-anywhere trend. The expanding volume includes increasingly complex and diverse data, making it hard to use traditional eDiscovery software. Get a handle on hard-to-understand data early, control litigation costs, and reach better, faster outcomes with IPRO discovery ][ Enterprise.

Getting the Process Started
The IPRO brand has long been known in eDiscovery circles for value and exceptional data processing. IPRO discovery ][ Enterprise continues that tradition, extending its value in eDiscovery and investigations across the

Figure 1: IPRO builds analytics into document review, allowing you to develop complex queries from visual graphics of concept clusters and communication heat maps.
Electronic Discovery Reference Model (EDRM) from collection to production.

**IPRO assess [HOLD** connects with an organization's data stores and indexes content in place, allowing you to search and cull data before it is even collected. The index serves as a data map with information on where data is, why it's there, how long it's been there, and who has access to read and modify it. The data map reports all stored data, including personally identifiable information (PII) and personal health information (PHI).

Indexed content serves as an ingestion point to see the data before collection and then promoting selected data to ediscovery processing. Users can also securely upload case data to a self-serve portal to processes hundreds of file-types, de-NIST data, and deduplicate by the custodian, or globally, using unique hash codes. A job manager provides visibility into data processing, where you can prioritize jobs and easily manage exceptions. When you promote live data to ediscovery processing, the base metadata, comprising 30 fields, expands to hundreds while IPRO discovery [Enterprise extracts all metadata and embedded documents, adding valuable insight into your collected data.

**Review with Advanced Analytics**

IPRO discovery [Enterprise builds advanced analytics into its template-driven document review. Configure templates with custom workflows, coding forms, and tag palettes. Reviewers can access their review sets with one mouse click.

IPRO discovery [Enterprise's review interface features a panel of analytic document features, including document family, duplicates, near-duplicates, email threads, similar documents, and history.

**Advanced analytics** help build complex searches with a few mouse clicks. You can visually interact with dynamic charts and graphics to get deep insight into concepts, related data, and communication patterns. A visual concept wheel uses machine learning to analyze documents and cluster them into groups of related documents. While reviewing the concept clusters, add them to search queries with a click and send the results to reviewers. See Figure 1 on the previous page.

Enterprise analytics detect multiple languages to support review resource planning. It displays a bar chart of people related to the matter and a heat map of their communication patterns. When you find a pattern of interest, add it to your search strategy with a mouse click. View a list of search results and act on selected items, such as tagging them for further review or looking at them individually.

The document viewer pops out for dual monitor support. You can view document metadata, apply a filter to any field, compare documents side-by-side to view similar and dissimilar content, and bulk tag documents as responsive. A fully customizable review panel displays on the right to tag documents and assign field values. Move to the next record, and IPRO saves the changes and presents the subsequent document. While reviewing documents, produce images on the fly and redact privileged or other information. See Figure 2.

**Figure 2:** IPRO discovery [Enterprise's modern document review interface requires little training to derive value, driving user adoption.
Active Learning
IPRO discovery™ Enterprise supports active learning as a background process. The software trickles up documents most likely relevant to the matter and continuously updates precision and recall scores. View the scores in real-time, set goals and timetables, and determine how long before you achieve them. See Figure 3.

There's a single pane of glass for document review. You can invite internal resources and outside counsel to look at the data simultaneously on the same platform.

Production
IPRO discovery™ Enterprise production uses the software's processing engine. Production workflows support templates to produce eDiscovery data consistent with court orders, Freedom of Information Act (FOIA) requests, and regulatory investigations by the Department of Justice, the Securities and Exchange Commission, and other regulatory agencies. Use TIFF, PDF, extracted text, OCR, or native document formats in an export set and apply custom Bates numbering.

Redact privileged and private information and burn-in and validate the redactions. IPRO discovery™ Enterprise supports a user-friendly quality control process and a facility to export data sets to directly create load files for other review tools, including a Concordance DAT file, Opticon OPT file, and a Ringtail database. You have complete control of the various fields in an export set, including endorsements and endorsement mappings. Save exports to templates for future use.

Deployment and Pricing
IPRO discovery™ Enterprise can be deployed on-premises, in a private cloud, in the Microsoft Azure cloud, or by utilizing a hybrid deployment. The software supports transferring virtual machines from on-premises to cloud architecture and back. The Enterprise software has two cloud offerings: Software-as-a-Service (SaaS) eDiscovery and Infrastructure-as-a-Service (IaaS). The IaaS is a client-administered environment best suited as a managed service for large, multiple, or long-running cases. The SaaS is an IPRO-assisted service best suited for traditional eDiscovery services and firms that need assistance. Enterprise is priced on the capabilities customers require.

On-premises deployments are priced by processing engine (worker) and review users. SaaS is per gigabyte per project, and IaaS is an annual subscription bundling the software, environment, and storage.

Who is IPRO?
Since 1989, IPRO has been a litigation and eDiscovery partner to law firms, corporate legal departments, and government agencies. The company has more than 3,000 active customers—47 of them have cases with over 47 million records in review; one client has processed over 11 petabytes of data using IPRO's tools. IPRO integrated its discovery software with Trial Director in 2019. IPRO is headquartered in Tempe, Arizona, with offices in Henderson, Nevada; Montreal, Quebec; and Idstein, Germany. In July 2020, IPRO acquired NetGovern, extending its product reach to include information governance solutions. The company recently acquired Amsterdam-based ZyLAB, extending its eDiscovery software in legal hold automation, advanced analytics, and cloud services. Including ZyLAB, IPRO has more than 300 employees.

Why Buy IPRO?
• Deploy IPRO assess™ HOLD and discovery™ Enterprise on-premises, in the cloud, or as a hybrid solution.
• Indexing data in place makes for smart collections and eDiscovery data maps that facilitate information management and archiving.
• Active learning increases IPRO's usability, user adoption, and time to value by decreasing training and eliminating inefficient workflows.
• Built-in analytics make complex searching easy and accelerates document review.

Try IPRO Today!
Move upstream with IPRO and gain insights far earlier in your eDiscovery processes. Learn More

Figure 3: Always on, IPRO discovery™ Enterprise active learning continuously updates relevancy scores for responsiveness, giving you real-time data on review quality and time to completion.
Audio Discovery

Nexidia Audio Discovery
Innovative & Accurate Audio Discovery
Based on Patented Phonetic Technology
that Allows You to Search and Review
Audio with Ease
Recent Developments and Updates

• Seamless connection to Relativity. Nexidia’s phonetic search software now works directly inside of Relativity, allowing a legal team to quickly access search terms and listen to relevant files in context within their review platform.

• Strong and growing partner network. Nexidia continues to expand its network of hosting, integration, and consulting partners.

• Trusted by top government agencies for their accuracy. A number of regulatory agencies (including the SEC, FTC, etc.) use Nexidia to identify and review recordings for internal investigations and regulatory and litigation requests.

• Artificial intelligence is effectively combined with speech analysis. Nexidia Analytics was named a leader in the Forrester New Wave: AI-Fueled Speech Analytics Solutions, Q2 2018, recognizing that AI engines can improve speech analytics.

How do you search for a word or phrase in an audio file? Do you push the play button and painstakingly sit and listen for hours while taking notes? Do you pay a professional transcriptionist to generate a text file?

While the challenges of audio discovery are nothing new, it’s the increase in potentially relevant audio and video files in litigation matters that are necessitating the use of better and more efficient tools... and that’s where Nexidia can help.

Nexidia Search has been analyzing audio for many years, sifting through an abundance of recordings from call centers, financial houses, and other treasure troves. All that experience and context is available for law firms, legal departments, and government agencies to help explore and analyze the burgeoning growth of audio and video in litigation matters and investigations.

The Technology of Speech

The technology developed by Nexidia employs an interesting twist — instead of the “traditional” method of transcribing speech to text by way of brute force, Nexidia invented “phonetic indexing” technology which they have successfully patented. Phonetic indexing means there is no need to laboriously build and rely on “dictionaries” of words, but rather language is broken down into phonemes (Nexidia uses 43 for North American English). Nexidia doesn’t create an index of individual words; instead, it analyzes the sounds of speech which can more easily account for the variations in accents, dialects, etc.

Phonemes are similar to syllables, but they can be smaller than syllables. Nexidia scores each potential phoneme in every time slice of audio and then puts them together to achieve extraordinary levels of accuracy when searching audio. Including more phonemes in your search leads to more precise results. For example, indexing the word “Bill” by itself could potentially lead to false positives when that sound is heard inside a larger word such as “building” or “responsible.” As Nexidia assembles phonemes, it can more accurately identify words, phrases, and sentences.

And Nexidia doesn't stop there — because of the platform's unique approach to analyzing speech, it can also detect “sentiment” such as the volume or tone of someone's voice and recognize individual speakers after you provide a little training for the system. Nexidia then applies a “score” to an audio file based on the sentiment analysis, which can be paired...
Because of Nexidia’s unique approach to analyzing speech, it can detect ‘sentiment’ such as the volume or tone of someone’s voice.”

Searching the Audio
All of this amazing technology wouldn’t be very useful if you couldn’t search or scrub through the audio. The main interface of the Nexidia Search for Legal pane is simple and straightforward. If metadata is associated with your audio files when they were ingested, you can use those fields of information to pull up specific groups of files based on speakers, dates, etc.

Once Nexidia’s technology indexes your audio files, many users just want to start by searching to find a word or phrase of interest. They can click in the search box at the top, type in a word or phrase and Nexidia immediately returns a list of results that looks similar to a list of files in a typical document review platform — you see a list of columns that are populated with the relevant metadata (media file name, length of recording, etc.).

When you select a file, you’ll see the audio “waveform” at the bottom of the window, where you can click to start playing the audio at your preferred location. But the best part is that the waveform is already highlighted at the location(s) where the word or phrase you searched for was found — so you know exactly where to start playing the audio file to hear what was being discussed at that point in the conversation or recording.

In many cases, you want to know what else the speakers were talking about when they used the word you were searching for, so you can simply click “Add Phrase” to add another word or phrase to your search (i.e., “search within a search”). Nexidia provides a helpful “breadcrumb” trail at the top of the list so that you can quickly remind yourself of what exactly was included in your search.

Lastly, if there are certain words or phrases that you would like always highlighted, you can set up “persistent highlighting.” This can be especially helpful to proactively set up routine searches to notify you of potentially risky conversations that need your attention.

Flying Through a Word Cloud
Suppose you’re unsure where to start with your search but would like to investigate some of the prevalent themes found in the recordings. In that case, Nexidia offers the “Word Cloud,” where you can immediately see certain words and phrases as more significant than others, indicating that those words are spoken much more often. This gives you a good idea of where to start digging into the recordings. You can actually tweak the Word Cloud by using the provided sliders — for example, you can make the phrase length shorter or longer to change the perspective.

When you click on a word or phrase in the Word Cloud, Nexidia will show you other ‘related phrases’ so you find the most interesting audio tidbits.”

Figure 1: Click on any term to view related phrases; right-click to listen to examples.
contain a specific word. For example, you can see how many phrases include the word “money,” such as “more money,” “no money,” “money out,” etc., which is remarkably helpful to guide your search.

Audio Playback and Adding Notes

Nexidia provides a few tools for controlling and/or altering playback of the audio file. Besides adjusting the volume, you can also control the playback speed to save some time (e.g., listen in chipmunk style). All of these controls and search capabilities work even if the audio has a lot of static or interference. It isn’t easy to understand the power built into this capability until you actually see it (and hear it!) in action.

If you prefer to both hear and see simultaneously, you can turn on the “transcription pane” that will show you the text of the audio file as you listen to the recording.

Suppose you hear something important or noteworthy while you’re listening to the audio. In that case, you can click the “Add Note” button to type a note that then gets associated with that specific section of the audio waveform. Think of it as pasting a sticky note inside the recording so you can return to it later. All user activity that takes place in Nexidia is tracked, so you know exactly who created a note, played a file, tagged it, etc.

Assigning and Sharing Audio Discovery with Others

The review work can be shared by grouping a set of files into a batch and assigning that batch to a reviewer or colleague. Nexidia allows you to create a custom panel of Tags that can be associated with each file. These tags can simply be for “responsive” or “privileged,” but you can customize them as much as you need for a thorough review. This works in much the same way as most typical document review platforms; it’s just that you’re able to review, listen, and associate tags with actual audio files rather than just the text.

Improved Relativity Integration

While Nexidia Search can be used for audio-specific review, the patented phonetic technology can also be integrated into platforms like Consilio’s Sightline and, most recently, directly into on-premise installations of Relativity. Although Nexidia has always been able to publish search results into a Relativity database, the two companies recently announced a much deeper and functional working relationship that allows a user to perform phonetic searches using the Nexidia engine directly from inside Relativity.

When you flip Relativity’s search bar into “Nexidia Search,” your search terms bring back a scored listing of results from audio files. Clicking a result brings up an audio waveform that identifies the exact location of your search word or phrase (the “hits” are also listed below). You can use the Play/ Pause button to listen through, and other buttons let you skip forward or backward in 10-second increments. You can also adjust the playback speed. See Figure 2.

Even more helpful is the karaoke-like box that highlights the text of the audio file as you play the sound recording. This allows you to both see and hear the person speaking to better comprehend what is being said. Because you’re searching and listening to the audio files inside Relativity, you can access all the same coding and tagging panels you use for other electronic evidence. That means you can tag relevant audio files so they can be included in production sets you export out of Relativity.

Who is Nexidia?

Nexidia began as an engineering project at the Georgia Institute of Technology (Georgia Tech). Professor Mark Clements, the company’s founder, was looking for a way to use phonemes to help his university’s library manage huge recording collections. The speeches of U.S. Senator Sam Nunn, and his heavy Southern drawl, were the first project. From those beginnings in the mid-1990s, Nexidia has grown to serve the intelligence market, the call-center space, and Audio Discovery. Acknowledged as a leader in speech analytics, Nexidia was acquired in 2016 and is a subsidiary of NICE.

Why You Should Consider Nexidia Audio Discovery...

- The Nexidia platform is highly scalable and capable of supporting all of your regulatory investigations, compliance obligations, and litigation matters, no matter how large or small.
- Use file metadata along with phonetic searching to easily narrow results.
- Nexidia can quickly analyze a wide variety of languages from Arabic to Russian to Tagalog.
- Ability to compare two sets of audio files so you can see what words were included and/or dropped from each file.

Try Out Nexidia For Yourself!

You can find more information about Nexidia’s legal solutions here.
Processing & Review Platforms

DIY Web-Based Software Indexed I/O Scales Up and Down to Efficiently Meet Any eDiscovery Need, Anytime.
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Indexed I/O enables users to import, search, review, and produce mobile eDiscovery data just like other data.”

Company Name Brand
Indexed I/O, Corp.

Product Name Brand(s)
Indexed I/O

Latest Developments and Roadmap
• Mobile phone processing and review support for Cellebrite, Oxygen, and Axiom phone collections.
• Indexed I/O’s built-in natural language processing enhances eDiscovery and mobile data processing with data normalization and entity extraction.
• Preview documents in list view and easily apply bulk tags to documents.
• New updates on named entity extraction allow Indexed I/O to recognize people, places, organizations, dates, times, and more in eDiscovery data.
• The software will soon extract data from social media and collaboration platforms as well as provide integrated automatic redaction functionality.

DIY eDiscovery
Indexed I/O offers do-it-yourself (DIY) eDiscovery software-as-a-service (SaaS). The SaaS offering is built on Amazon Web Services (AWS) and scales up or down to meet the eDiscovery requirements of any size law firm or corporate legal department. The platform is user-friendly with intuitive workflows. Users can sign up, upload data, review, tag, redact, run reports, and produce and export the data without engaging with sales representatives.

Indexed I/O supports project-based administration. Account holders create projects comprised of data collections, custodians, and users. Users have many options to load or import data including drag-and-drop, Secure File Transfer Protocol (SFTP), direct connections to AWS S3 and Dropbox, and a full email collection tool for any IMAP enabled email account, like Gmail, Office365, and Mac Mail. Adding or inviting users is as easy as clicking a button via the Indexed I/O admin tools.

Figure 1: The Indexed I/O review interface for mobile data shows conversation lists and SMS and MMS messaging as if you were on a smartphone.
Collections are groups of data that belong to individuals or custodians. Create a custodian when you create a collection and reuse the custodian for other projects as needed. Indexed I/O scaling abilities mean there is no limit to the size of a data collection being loaded or imported.

Adding collections to projects is easy. Type in the custodian’s name, give it a description, and set a few options, including extracting files from container files, attachments from emails, embedded objects from files and emails, and whether to image presentations with notes. Then select the dataset location from Amazon S3 storage, FTP/SFTP sites, IMAP message stores such as Alphabet Gmail and Microsoft Outlook, and forensic mobile phone images.

Indexed I/O runs validation on every forensic mobile phone image and extracts all data and metadata. The software also supports mobile forensic collections from Cellebrite, Oxygen (version 12 and later), and Axiom formats, and will soon collect data from iTunes, Facebook, Slack, and Microsoft Teams.

**mDiscovery**

Indexed I/O enables users to import, search, review, and produce mobile eDiscovery data just like other data. There is no added price or separate workflow. mDiscovery is a subset of eDiscovery features that make it easy to review information and search all mobile phone data including voice mails; audio and video file types are automatically transcribed to searchable text. The software has entity extraction tools to look up phone numbers and email addresses and normalize the data to a custodian name or other person of interest.

The mDiscovery review interface resembles smartphone interfaces to review, tag, redact, and export chat and text messages and media content. The software extracts mobile data to a document with child items. In review, it looks just like a mobile phone interface with conversations, chat bubbles, emojis, and embedded images and files. Indexed I/O includes extracted mobile metadata along with other data and applies built-in analytics to cull and filter a dataset. See Figure 1 on the previous page.

Interactive charts, graphs, and reports allow users to quickly analyze and filter content once data is in the system. Visually review data by type, document timeline, file extensions, processing metrics (e.g., exceptions, duplicates, and system files), social media graphs, and potential PII. Indexed I/O makes it easy to exclude non-relevant data and get to the metal of the matter or privileged information. See Figure 2.

**Figure 2:** Indexed I/O’s analytics let you easily filter and cull data with interactive, drill-down graphics. Here, the software displays file extensions by size and count with an interactive document timeline using a graph and bar chart to display a histogram of documents in a project.
Review & Analytics
After data processing, set up documents for review in batches using interactive data filtering and search results. Indexed I/O’s search interface supports Boolean syntax, wildcards, and proximity searching regular expression search results. For example, administrators can view the progress on all batches and review a burn-down visual that charts the length and time left to complete a project. The software allows unlimited users at no added per-user cost. See Figure 3.

Indexed I/O’s review interface is straightforward. There’s no learning curve—reviewers can do their job without the need to spend precious time absorbing a new technology. The UI includes a document view with thumbnail images to traverse multiple pages, and it supports hotkeys to accelerate navigation. Redact and download documents on demand and tag documents in a customizable panel with various tabs for codes, metadata, related documents, analytics, and conversation threads by message ID. The review interface also includes on-demand document translation. With the click of a button, a foreign language document is instantly translated to English for search and review.

The analytics tab includes a view of data enrichment using named entities and data normalization for people, organizations, commercial items, dates, events, and locations. Highlight entities, and the corresponding document parts light up. The review UI uses Google Translation services and AWS Transcribe with data enrichment to transcribe voice records for full-text search and review.

Pricing & Technology
Indexed I/O supports a multi-tenancy architecture in an Amazon Web Services (AWS) private subnet with the capability to deploy global instances in any AWS region. Indexed I/O implements role-based security to restrict data views and access. It also comes with a free iPad app for document review.

Indexed I/O is one of the first companies to offer self-service, web-based eDiscovery software. The SaaS caters to small to midsized law firms but scales to the needs of Am Law 100 and 200 law firms. The company supports a Strategic Partner Program comprised of litigation and business professionals, service providers, and consultants who use Indexed I/O’s eDiscovery platform to service their clients.

Why Buy Indexed I/O?
• Indexed I/O includes language translation, voice transcription, and data enrichment to identify and track people, places, and things in eDiscovery data.
• Scale up or down to address the eDiscovery needs of law firms, corporate legal departments, and legal service providers at all EDRM stages.
• Know exactly how many resources you need to complete document reviews on time and within budget.
• Import and export data with intuitive and informative workflows and pay only for what you use.

Try Indexed I/O Today! Try Indexed I/O—for free for 30 days!

Production
Export data for production in customized or standard data formats in an easy four-step workflow with no surprises. Users can easily export data into native files, PDF, or image formats. A data summary displays the number of resources to export, page count, and size. You can choose to include or exclude processing exceptions, documents with no pages, duplicates, and redacted documents. If you configured tags to forecast production sets, Indexed I/O makes it easy to filter by tag and export the data. The software bills PDF and TIFF images by the page, and text, native PDFs, and native files by the gigabyte. Indexed I/O supports preset formats to export data into productions for Securities and Exchange Commission and Department of Justice inquiries. You can also export a basic production file that satisfies most eDiscovery requirements, load files for other eDiscovery software, or a full archive CSV that includes all available metadata, tags, and notes. Indexed I/O tracks every event on the platform by user, date/time, and action. You can download the complete audit file for each of your projects. Export options that incur billable costs are associated with acknowledgment checkboxes so there are never any surprises when it comes to costs.

Figure 3: Indexed I/O’s burn-down visual chart automatically updates every 30 minutes to display review progress based on the number of batched documents and reviewers.
Redaction

Milyli’s Blackout SaaS Brings Efficient and Effective Redaction to Small and Midsized Law Firms
Milyli’s Blackout SaaS Brings Efficient and Effective Redaction to Small and Mid-sized Law Firms

“...The platform accepts all file formats legal professionals encounter in their work, including PDF, CSV, text files, image files, and Microsoft Excel, Word, and PowerPoint.”

Company Name Brand
Milyli, Inc.

Product Name Brand
Blackout

Latest Developments and Roadmap
• Automatically identify and redact personally identifiable information (PII).
• Find and redact terms and patterns in documents.
• Enter text or codes to display in redaction boxes.
• User experience (UX) improvements to simplify interactions and present data in a cleaner, more precise display.

Redact with Confidence
Milyli’s Blackout Software-as-a-Service (SaaS) focuses on small-to-medium sized organizations that need an efficient and effective redaction tool. It's available for anyone who needs to remove sensitive data before sharing documents of any type, digitally or physically.

Upload and Redact
The account creation, management, and log-in to Blackout reside in the Microsoft Azure cloud and are self-managed. You can create an account and redact documents without talking to a sales representative or putting down a credit card.

The Blackout user interface (UI) supports project-based management to accomplish redactions. The process is seamless—start a project, upload documents, redact them, and deliver the output. The platform accepts all file formats legal professionals encounter in their work, including PDF, CSV, text files, image files, and Microsoft Excel, Word, and PowerPoint. Blackout libraries support over 90 document formats, including EML files—text-based message files from Microsoft Live Mail, Outlook Express, and Thunderbird. Microsoft Outlook's MSG email format is on the roadmap. See Figure 1 on the next page.

The ribbon menu at the top of the browser-based viewer provides access to projects, productions, and account details. The file menu controls pagination, markup, and downloading the redacted file in view. The markup feature (a highlighter icon) allows you to draw a redaction on the page. If you make a mistake, you can remove it with one click when selecting the removal tool (a trash bin icon).

Blackout redacts worksheets natively and converts other files to PDF for redaction...
Blackout also recognizes PDF layers and ensures the removal of layered content behind redacted data. When you try to cut and paste areas redacted by Blackout, there is nothing to capture.”

“Blackout libraries support over 90 document formats, including EML files — text-based message files from Microsoft Live Mail, Outlook Express, and Thunderbird.”

“Blackout also recognizes PDF layers and ensures the removal of layered content behind redacted data. When you try to cut and paste areas redacted by Blackout, there is nothing to capture.”

“Blackout libraries support over 90 document formats, including EML files — text-based message files from Microsoft Live Mail, Outlook Express, and Thunderbird.”

with output production files as PDF and worksheet files. The platform converts Microsoft Excel files to HTML, flattening the file and reducing the cells to the data displayed rather than containing a formula that calculates the result. You can flip through multiple sheets from a navigation panel on the left side of the viewer. See Figure 2 on the next page.

A single mouse-click on cells, rows, and columns redacts the information but leaves unredacted calculated cells intact. If you make a mistake, just click again to restore the data. You can download the document to review at any point in the redaction process. Blackout also applies the redactions and downloads the file in PDF format, appending "_redacted" to the file name.

What you redact in Blackout is fully eliminated from the produced version of the file. There are no content or formulae to review in cleansed cells, only a complete data “blackout.” If your case requires a review of formulas in worksheets, Blackout accommodates the request using an annotation file mapping the formulas to cells and worksheets.

Traditionally, cleansing Excel files requires software to convert the worksheets into images to redact. Given the size of most Excel files, you often end up with many image files when redacting just a single column. Multiply the time spent on columnar data by the number of columns and sheets, and it’s easy to see that it’s much faster to use Blackout. Simply scroll through the native file and apply redactions to it without the cumbersome steps of file preparation.

Blackout also recognizes PDF layers and ensures the removal of layered content behind redacted data. When you try to cut and paste areas redacted by Blackout, there is nothing to capture. When you upload Microsoft Word (DOCX) and other file formats, Blackout converts the documents to text-based PDF files to display on the website for redaction. If the uploaded DOCX file includes images, Blackout converts them to PDF image files so they may be redacted effectively as well.

Produce and Deliver
When you select Deliver from the project menu, Blackout produces the files in an archive (ZIP) file. Blackout gives you the option to name the file and download the production or email a link with a token for recipients to download the production file from a portal. Blackout suggests naming the file with the project name, a date, and time stamp. You can apply the suggestion with one mouse-click.

The redacted documents are then available to download in a single produced ZIP file. The platform lists all production files for you to select and download on demand as well. If you make any changes to a project, you should create a new production.

To send produced files securely to another party via Blackout, the email feature uses a fly-out panel that opens on the right. The panel includes sections to list recipients’

Figure 1: Blackout redacts email messages in EML format, such as an exported message from Live Mail.
email addresses, provide a subject line, type a message, add the sender’s display name, and name the delivery file. The recipient receives a link and token to download the file within 14 days of receiving the message.

When the email is received, the token sends them to Blackout’s delivery portal for download access. Soon, the recipients can view the file in their browser, and you can see the delivery details on the web record noting when a party opened the email and downloaded the file. See Figure 3.

Roadmap
Blackout will soon find and redact words, phrases, and patterns to support text-based redaction, allowing for a broader, more complete, and rapid markup of documents.

The software will allow you to enter reason codes or text in redaction boxes, and it will automatically identify PII and present an index of terms and patterns to redact.

Pricing
A free account option is available for users to try Blackout without obligation. You can get started with a production of any sort and apply unlimited redactions to five documents at a time. Blackout’s paid account plan is based on the total number of active documents uploaded for redaction. Milyli bundles Blackout paid accounts into PDF and PDF+ Excel groups. PDF accounts give you the tools to convert documents to PDF to redact. Pricing starts at $50 per month, or $250 annually, to upload 250 documents with unlimited projects, redactions, and users. The PDF+ Excel bundle, which supports all the PDF tools plus Excel support, costs $250 per month, or $1,250 annually.

Who is Milyli?
Since 2008, Milyli (Make It Like You Like It) has built products and technologies that help professionals at law firms, government agencies, legal service providers, and corporations solve eDiscovery challenges.

Why Buy Blackout?
• Blackout redacts documents for any task, such as those in eDiscovery review.
• Blackout provides enterprise native Excel redaction tools for the small and midsize market.
• Increase security by keeping sensitive information protected while reducing paper-based workflow.
• Easily and safely send productions to outside parties.

Try Blackout Today
Interested in a live demonstration? Sign up here.

Figure 2: Blackout converts Microsoft Excel files to HTML, flattening the files and leaving the data to redact in cells, rows, columns, and objects (images).

Figure 3: The Blackout portal enables third parties to receive redacted projects.
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