



Forensic Technology Solutions

Responsive, Efficient, and Comprehensive
E-Discovery and Digital Forensics Services

Addressing the Challenge of Digital Forensics

Crowe provides comprehensive e-discovery and digital forensics services that empower law firms and in-house counsel to handle matters efficiently and to make better-informed legal and strategic decisions. Our forensics and technology professionals have deep expertise in today's complex information management systems and extensive experience handling litigation, investigations, and regulatory matters.

Crowe Forensic Technology Capabilities

The mission of the Crowe digital forensics team is to help clients efficiently identify, preserve, collect, analyze, and secure a broad array of electronically stored information (ESI), while applying sound data security principles and maintaining the chain of custody for evidence.

Clients rely on Crowe to provide a full spectrum of digital investigative capabilities, delivered by experienced professionals. Our forensic services are performed in a robust, defensible, and cost-effective manner that can withstand third-party scrutiny. We offer critical insight into events whether they have transpired locally or globally, including:

- Fraud: white-collar and financial crimes
- Federal investigations: Securities and Exchanges Commission, Department of Justice, Federal Trade Commission, etc.
- Regulatory response: anti-bribery and anti-corruption (FCPA and U.K. Bribery Act compliance), antitrust
- Disputes and claims: mergers and acquisitions
- Civil litigation: securities litigation, class action, product liability
- Corporate investigations: executive malfeasance, insider threat, intellectual property theft, and employment litigation
- Criminal and anti-exploitation investigations: conflict minerals

With a network of dedicated labs equipped to respond promptly to urgent and complex situations, Crowe forensics teams have supported clients in hundreds of investigative management and e-discovery cases for nearly 20 years.



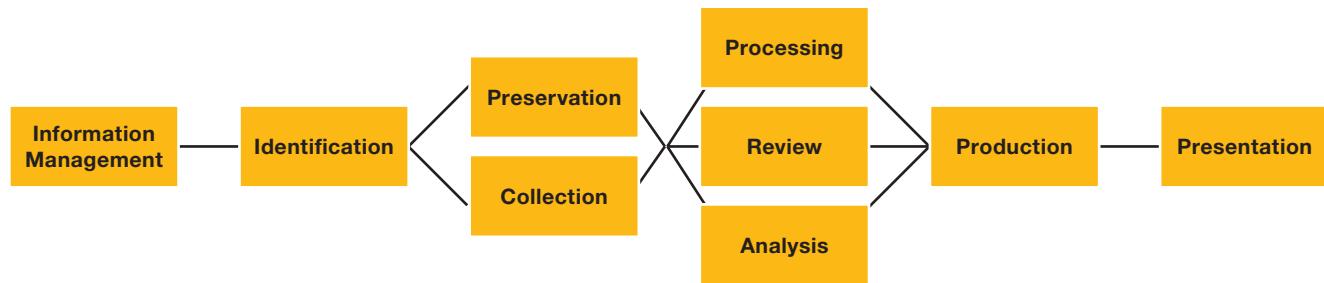
A Holistic, Coordinated Approach

Crowe forensics professionals and computer specialists apply a 360-degree view of investigations and e-discovery in order to bring the virtual and physical elements of a case together and move the matter forward rapidly and efficiently. Our philosophy is to work closely with clients, to understand key issues and aspirations, and to help establish processes and solutions that can continue to deliver value long after the conclusion of our engagement.

The Crowe approach is agile and adaptable to each case's unique requirements. At the same time, it is based on established best practices and is consistent with current industry and professional standards – these are critical requirements for delivering results that are both useful and legally defensible.

Clients with global operations or multinational relationships can rely on Crowe teams to deliver a consistent level of service across borders, employing uniform methods and standards regardless of geographic location.

Electronic Discovery Reference Model



Source: EDRM (edrm.net)

Crowe e-discovery services are built on the Electronic Discovery Reference Model (EDRM), an industry-standard framework that integrates all steps of the e-discovery process into a holistic, end-to-end solution.

Providing Insight Through Evidence

Comprehensive E-Discovery and Digital Forensics Services

Crowe forensic technology solutions teams help clients address a broad range of issues related to the management of structured and unstructured ESI in their organizations. Our end-to-end e-discovery and digital forensics services help clients address all aspects of the process, including:

- **Data identification** – Mapping and prioritizing ESI sources to recommend the most cost-efficient collection methods
- **Data preservation and collection** – Collecting data stored on computers, mobile devices, servers, legacy media, and cloud platforms in a forensically sound manner, and providing post-acquisition due diligence
- **Data processing and analysis** – Performing large-scale data processing and indexing services to enable searching, filtering, and loading of relevant data sets into a sophisticated document review platform
- **Investigative analytics** – Leveraging powerful analytic capabilities, including conceptual clustering and searching, near-duplicates identification, conversation threading, relationship mapping, and predictive coding (machine learning)
- **Advanced digital forensics analysis** – Including metadata and deletion trend analysis, document life cycle analysis, and recovery of deleted files
- **Project management** – Delivering case assessment, processing, and evidence management services in a secure forensic lab environment, while providing a single point of contact with an e-discovery subject-matter specialist
- **Document review** – Supporting the entire document review and production life cycle in complex cases, with a dedicated team performing services such as keyword formulation, data filtering, and review strategy consulting



Crowe Forensic Technology Solutions Analytics and Reporting

Crowe supports complex litigation and investigative matters by providing tools to organize, analyze, and visualize unstructured data. Investigative analytics techniques enable our teams to parse data to provide context, clarity, and actionable information. We employ advanced visualization methods to provide key insights into data, delivering flexible, customizable, and in-depth reports and dashboards.



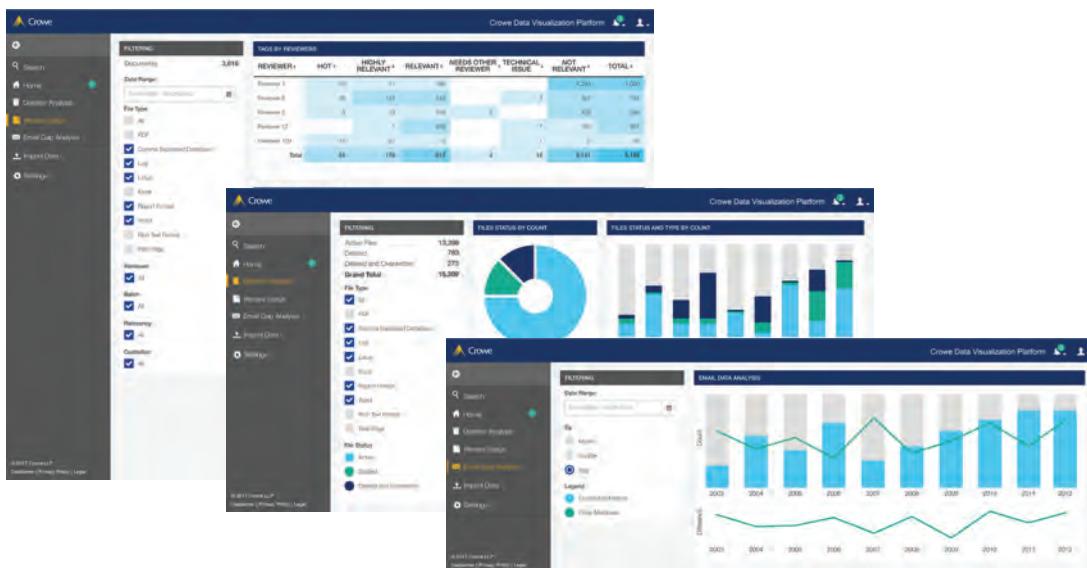
Source: Crowe analysis

Crowe forensics teams support complex investigations by providing tools to organize, analyze, and visualize both structured and unstructured data.

Investigative Analytics and Data Visualizations

Crowe forensics teams employ a variety of analytic and reporting tools to clearly convey the results of advanced investigative techniques and analyses. Innovative visualization tools provide clear insights into large volumes of complex data. Examples of such dashboards include:

- Email gap analysis
- File deletion analysis
- Review of metrics and status
- Custodian relationship mapping



Source: Crowe data visualization prototypes

The Crowe Difference

When facing the pressures of an intensive, time-sensitive legal or regulatory matter, clients look to Crowe digital forensics professionals to deliver clear, consistent, and reliable results – and to do so quickly and efficiently. To meet these expectations, the Crowe forensic technology solutions team works consistently to develop and enhance essential attributes, including:

- **Deep forensic knowledge and experience** – Crowe forensic practitioners have extensive experience preparing forensic reports and preparing court-ready documentation in support of civil claims and criminal evidence briefs. Over the years they have supported hundreds of corporate and law firm clients, delivering oral evidence in courtroom testimony and depositions, and providing reports, affidavits, and related services in litigation, investigation, and regulatory response matters.
- **Broad technical capabilities** – Crowe maintains digital forensic labs located throughout the United States, where our specialists leverage both proprietary and industry tools to analyze data sets in new and innovative ways. Our teams have experience capturing and analyzing data from computers, servers, tablets and mobile devices, cloud services, GPS systems, satellite navigation systems, digital CCTV systems, voice recording systems, and other sources of ESI, including virtual systems and volatile memory data, when needed. Crowe professionals regularly engage with advanced capture, analysis, and data visualization tools such as EnCase®, FTK®, Intella®, Ipro, Tableau, IBM i2, and similar tools.
- **Advanced technology solutions** – A robust portfolio of tools and technologies and multiple document review platforms allow us to deliver effective, tailored solutions based on each client's needs and challenges. We enable our clients to make well-informed decisions through our knowledge of data management principles, analysis techniques, and technologies.
- **Consistent yet adaptable methodology** – We maintain forensic procedures and templates to both facilitate collaboration amongst all parties in a matter, and ensure delivery of defensible and efficient solutions. Yet the Crowe strategic approach to digital forensics and e-discovery assignments is also flexible, cost-effective, and readily tailored to specific situations.
- **Diversity of talent** – Our team of professionals includes records management specialists, e-discovery specialists, digital forensics and cybercrime specialists, information technologists, investigators, data scientists, and forensic accountants.
- **Investigative mindset** – Crowe forensic technology solutions teams are not just technology providers. They are forensic practitioners who work closely with clients' legal, investigative, and litigation support teams to provide value through enhanced service.



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