



eDiscovery Technology Past, Present and Future

eDiscovery Technology: Pre 2005

- In the early years of eDiscovery Technology there were limited options available and the features weren't what we see today.
- Single User – Standalone products
- Multiple products need be used
- Document Review Software
- Production Tool

No Real Metadata Extraction and Indexing Capabilities!

- Very Simple to use but lacking in the functionality to perform an efficient review
- No real searching capabilities
- Metadata had to be manually entered to the database
- No coding controls
- Redactions had to be done in an external product.

It was the Wild West!

eDiscovery Technology: 2005–2010

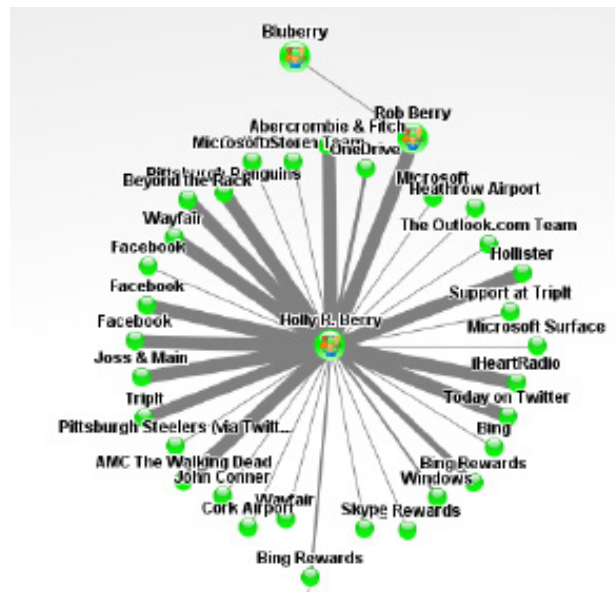
- There was a merge between eDiscovery Technology and Digital Forensics technology
- Gave us the ability to process and index ESI
- Searching
- Automatic Extraction of Metadata
- More efficient workflows
- De-duplication
- De-Nisting

Type	Subject	Family Date	MDS Hash	From
Email Message	FaH5: Pens off this Weekend, Prepare f...	Jan 17, 2014 2:31:2...	a52acac920f443c53f9394be80...	Pittsburgh Penguins...
Email Message	Refresh every room: save an update fa...	Jan 5, 2014 12:18:0...	52a6165aa487288121af501a...	Wayfair <editor@...
Email Message	Welcome to Wayfair: Take 10% off your...	Jan 4, 2014 7:20:29...	072907a069b661168c501603...	Wayfair <servic@...
Email Message	Way??re very sorry: 10% off: Our favori...	Jan 8, 2014 11:57:1...	8db837160f9783adbdf10a096...	Joss & Main <edito...
Email Message	Daily deal: book manager only \$39.99!	Jan 7, 2014 12:10:2...	50a603e8907462b77201a35c4f...	Wayfair <editor@...
Email Message	Rolls: Redecorate, Raise the bar. And...	Jan 6, 2014 12:16:2...	e4e7298421419b2b7a5a9200...	Wayfair <editor@...
Email Message	Living room updates under \$250! Plus d...	Jan 18, 2014 12:27:...	f3d4490a81292b563a630a7...	Wayfair <editor@...
Email Message	Fine furniture, colorful rugs & pillows, a...	Jan 18, 2014 11:13:...	3f1e44292092474f67e0399f0...	Joss & Main <edito...
Email Message	Top deal: TV stand with speaker just \$3...	Jan 17, 2014 12:02:...	4e6544c3c20107f0a81c638a...	Wayfair <editor@...
Email Message	City-chic furniture, warm winter rugs, fl...	Jan 17, 2014 11:11:...	932c34e03b00c6ccce04d9a...	Joss & Main <edito...
Email Message	Push perthouse furniture, bohemian rug...	Jan 20, 2014 11:27:...	7854973e5112fa08345a6e099...	Joss & Main <edito...
Email Message	Best-selling barbells, our favorite radia...	Jan 12, 2014 12:15:...	80356c23d14516d0d2b03631...	Wayfair <editor@...
Email Message	Colors of 2014: Radiant Orchid & our M...	Jan 26, 2014 9:07:2...	c11eeec223193c0e081618c2...	Joss & Main <edito...
Email Message	Furniture Under \$300 Elegant lighting ...	Apr 25, 2014 11:34:...	59d52033083f9f3a1120812459...	Joss & Main <edito...
Email Message	American-made furniture HiTV lightn...	Apr 28, 2014 11:36:...	798f1c1432c4f6d6885047f0...	Joss & Main <edito...
Email Message	Cartis for Women, Clarks for Men, Healt...	Apr 26, 2014 9:39:2...	b05e6cc9502f0f25c82778af6...	Beyond the Rack <...
Email Message	Make her home a happy one! Stop Mot...	Apr 27, 2014 8:15:0...	8ae34d2c4f92db43a6d44483...	Wayfair <editor@...
Email Message	RE: New email	Jan 3, 2014 4:19:55...	d6ef0eb27a05942652331e731...	Rob Berry <shan.26...
Email Message	RE: I want this !!	Jan 19, 2014 9:53:38...	99ae053340186a65f6e4829a...	Rob Berry <shan.26...
Email Message	View from the office	Jan 10, 2014 9:23:2...	42c3c94e4e8129418f95b41c...	Rob Berry <shan.26...
Email Message	New Car	Jan 18, 2014 5:22:2...	58536610a631ae88825f3592...	Rob Berry <shan.26...
Email Message	Here is are the photo's of the training y...	Jan 17, 2014 11:06:...	d3a39ca1804a263602244a3b...	Rob Berry <shan.26...
Email Message	Document I found for you	Jan 12, 2014 9:37:2...	8091997462c3ba18f6c146f2...	Rob Berry <shan.26...
Email Message	FW: Congratulations!	Jan 11, 2014 8:49:2...	3971cd61d10c2c5d1e081699b...	Rob Berry <shan.26...
Email Message	RE: I want this !!	Jan 11, 2014 8:48:1...	d6c2357d78e249c34ae086a...	Rob Berry <shan.26...
Email Message	New ways to communicate	Jan 6, 2014 4:40:28...	1972137d522de8e3ba06670a...	Outlook.com Team ...
Email Message	shan.26554 has connected to you on Tri...	Jan 10, 2014 9:50:0...	79f3682c6450a26547a664c5...	Support at Tript@...
Email Message	Complimentary upgrade to Tript Pro fo...	Jan 15, 2014 2:06:1...	e39e83778f2c5d794824775...	Tript <feedback@...
Email Message	Share your trips and stay connected wi...	Jan 12, 2014 10:05:...	4beff029a5756f20390670959...	Tript <feedback@...
Email Message	Know a traveling great? Love them. Trip...	Apr 26, 2014 9:25:1...	483e56567e7f5c8a471ca186...	Tript <feedback@...

Intella was born!

eDiscovery Technology: 2010–2015

- Data sizes grew exponentially
- Data sources and data types expanded
- Created a problem for software vendors
- Increased processing/indexing speeds
- Data Analytics introduced
- The birth of the first Technology Assisted Review (TAR) algorithms



Significant Words

abercrombie anc app attachs attr badge berry beyondtherack bid
 campaign car class click code component content core csnid cyberetics
 daily data define defincomponent dialog dir document email esdc exam event
 exploringbird exports facebook find function hollister holy html http
 https lid intobiz input where con jossandmain length medium
 mejs members minie module nid node now null one org outlook
 redirect refid refsrc require return rid robot sales scribe watch select
 sff hit shop smr source state status system this backcreator trackless track
 trigger tweet twitter bt type basehead tweet uid url user utils utm
 variety wayfair wdh wiki wikipedia www

The Age of Big Data!

- eDiscovery Platforms were created where users could process, review and produce in a single application
- Some eDiscovery software moved to a web-based interface
- Multiple reviewers in the same case
- This enabled legal teams to collaborate across different office locations

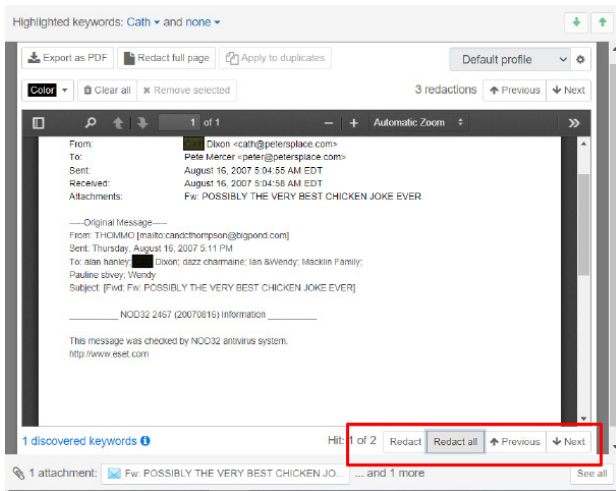
Intella Connect!

eDiscovery Technology: 2015–Present

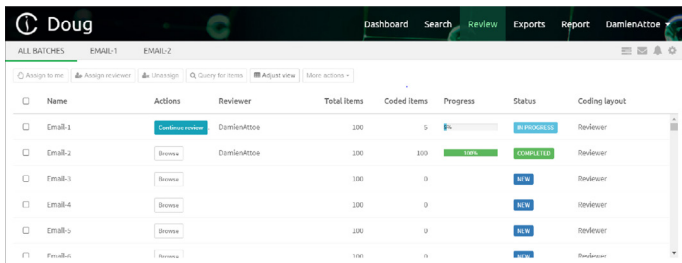
The last five years have been focused on four things:

- Automation
- Review Features
 - Auto-Redaction
 - Batch Review
 - Identifying inclusive/non inclusive emails in an email thread
 - Paragraph Analysis
- Artificial Intelligence (varying success)
- File Type Support

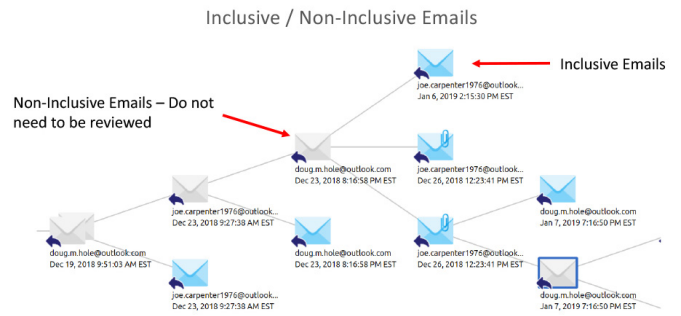
Auto-Redaction



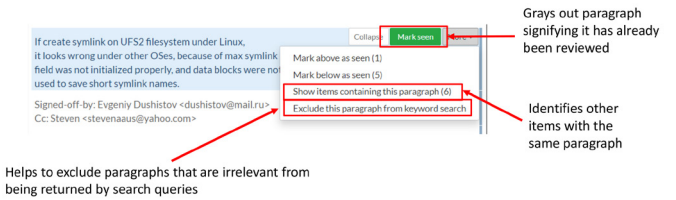
Batch Review



Inclusive / Non-Inclusive Emails



Paragraph Analysis



eDiscovery Technology: Future

The future is uncertain, but my predictions for the next five years are:

- Further merging of Digital Forensics and eDiscovery technology
- File type support
- Application Parsers
- Focus on the project management side
- More Automation – There are still areas which can be automated
- Artificial Intelligence

Presenter: Damien Attoe, Spyder Forensics

Decade of experience in the field of Digital Forensics and eDiscovery

National White Collar Crime Center (NW3C): 2010 - 2012

- Computer Crime Section Intern
- Computer Crime Specialist

AccessData (Professional Services) : 2012 – 2018

- Forensic Consultant
- Senior Forensic & eDiscovery Consultant
- Managing Consultant

Spyder Forensics : 2019 – Present

- Director of Professional Services

Phone Enquiries
+1 (888) 291-7201

Postal Address
10643 N Frank Lloyd Wright Blvd, Suite
101, Scottsdale, AZ 85259 U.S.A.

Email sales@vound-software.com

Sales Contacts
www.vound-software.com/partners

www.vound-software.com

