

## Overcoming data challenges in forensic investigations

### The foundation for integrated human and machine intelligence

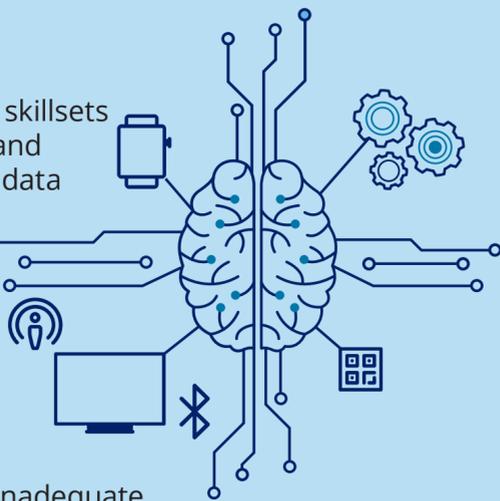


Data can make or break analytics-driven forensic investigations.



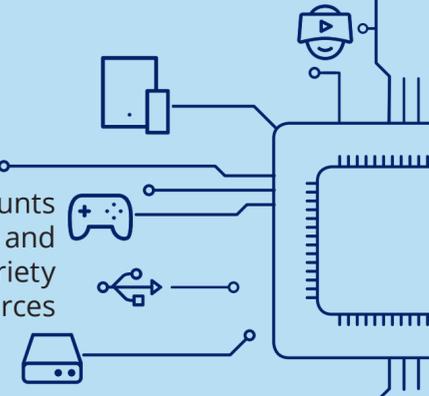
### Data challenges abound

Inadequate skillsets to process and analyze big data



Inadequate capture and storage

Vast amounts of data and expanding variety of data sources



Limited data accessibility



Static reporting designed for business as usual



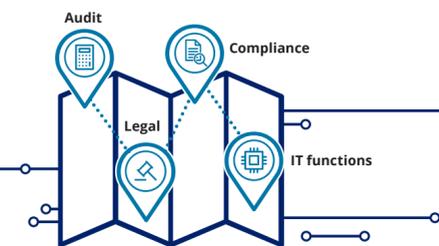
### Data considerations for analytics-driven fraud risk management



Lack of diverse data to correlate findings

Any one or more of these elements represent a significant barrier if they aren't addressed in the ramp-up to using advanced artificial intelligence capabilities to better identify and deter fraud.

Steps you can consider to prepare an effective foundation for analytics-driven investigations and fraud monitoring



Involve stakeholders in building the transformation roadmap

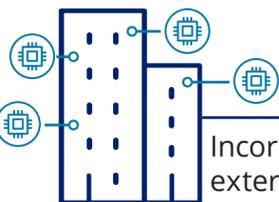


Centralize as much data as possible to support fraud monitoring

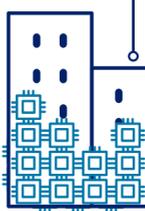


password: \*\*\*\*\*

Establish secure, structured access to data



Incorporate relevant external data



Begin to lay a solid technology foundation

### Better data, richer forensic investigation, and fraud risk management



The transformation to an analytics-driven program, including answers to these questions, is likely to require significant time and effort. Focusing on early results while staying attuned to the big picture can help equip organizations to address future fraud risks.

Consider these questions:

1. What is the strategy to manage the ongoing proliferation of data?
2. What type of analytic capabilities would fit the organization's specific needs?
3. Can tools or insights serve multiple purposes across the organization?
4. What are key technology trends within the industry and how will the organization's transformation roadmap keep the organization ahead of the industry?

### Let's talk

**Don Fancher**  
Global Leader | Deloitte Forensic  
Deloitte Risk and Financial Advisory  
Deloitte Financial Advisory  
Services LLP  
+1 404 220 1204  
dfancher@deloitte.com

**Ed Rial**  
Principal | Deloitte Forensic  
Deloitte Risk and Financial Advisory  
Deloitte Financial Advisory  
Services LLP  
+1 212 436 5809  
erial@deloitte.com

**Satish Lalchand**  
Principal | Deloitte Forensic  
Deloitte Risk and Financial Advisory  
Deloitte Transactions and  
Business Analytics LLP  
+1 202 220 2738  
slalchand@deloitte.com

**Shuba Balasubramanian**  
Principal | Deloitte Forensic  
Deloitte Risk and Financial Advisory  
Deloitte Transactions and  
Business Analytics LLP  
+1 214 840 1509  
subalasubramanian@deloitte.com

This publication contains general information only and Deloitte Risk and Financial Advisory is not, by means of this publication, rendering accounting, business, financial, investment, legal, tax, or other professional advice or services. This publication is not a substitute for such professional advice or services, nor should it be used as a basis for a decision or action that may affect your business. Before making any decision or taking any action that may affect your business, you should consult a qualified professional advisor.

Deloitte Risk and Financial Advisory shall not be responsible for any loss sustained by any person who relies on this publication.

As used in this document, "Deloitte Risk and Financial Advisory" means Deloitte & Touche LLP, which provides audit and risk advisory services; Deloitte Financial Advisory Services LLP, which provides forensic, dispute, and other consulting services; and its affiliate, Deloitte Transactions and Business Analytics LLP, which provides a wide range of advisory and analytics services. These entities are separate subsidiaries of Deloitte LLP. Please see [www.deloitte.com/us/about](http://www.deloitte.com/us/about) for a detailed description of our legal structure. Certain services may not be available to attest clients under the rules and regulations of public accounting.