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Who Watches the Watchers: IP Protection for Privileged Users

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INTRODUCTION

Dr. Richard Ford

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Dr. Ford leads the research and technology vision to help Forcepoint achieve its mission of delivering human-centric security and intelligence.

Era of Digital Transformation

Insider Threat is a Real Problem

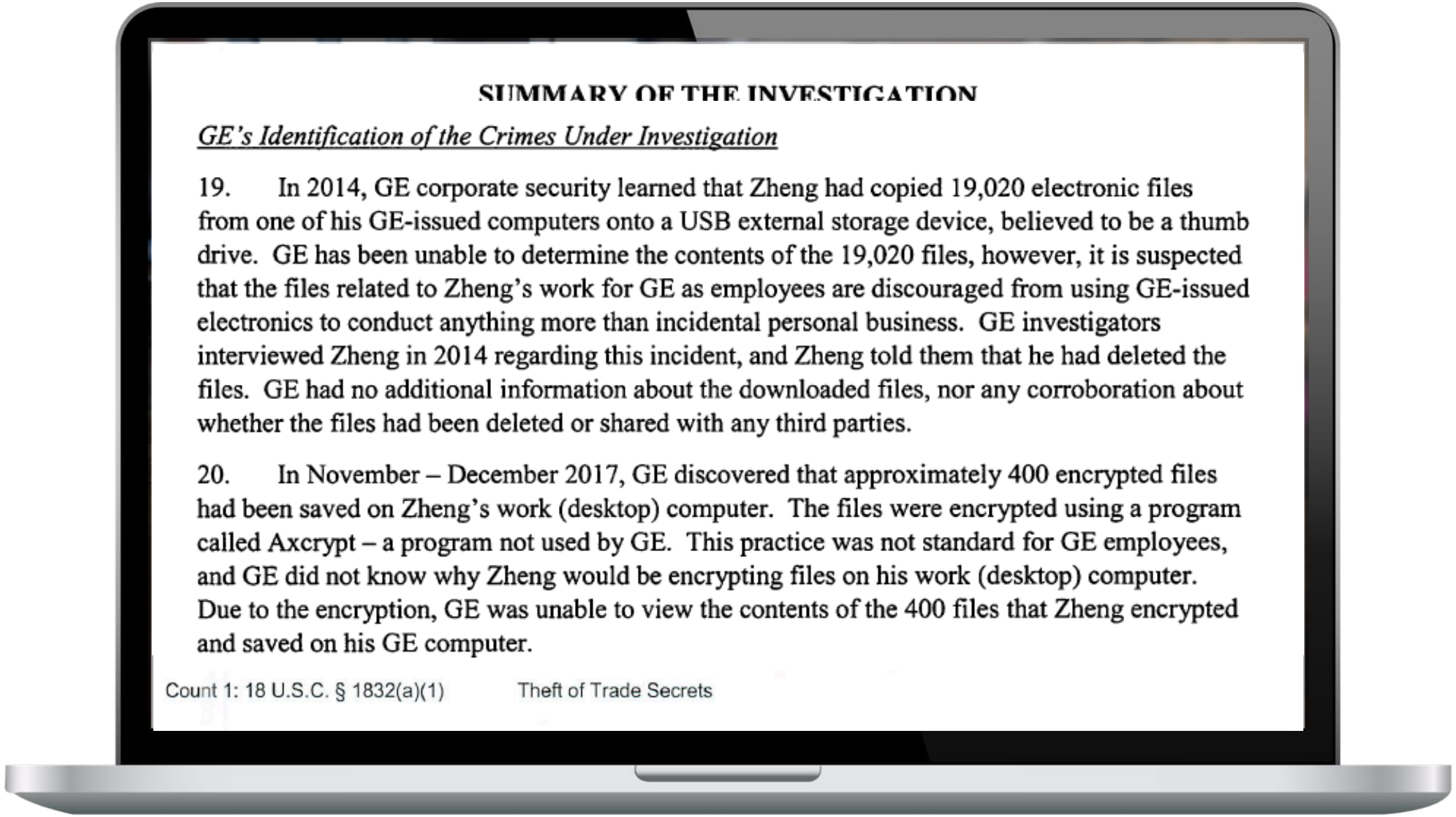
Theft of IP

When the Thief is the Creator…

An Interesting Real-World Use Case

An Interesting Real-World Use Case

According to the Criminal Complaint...



SUMMARY OF THE INVESTIGATION

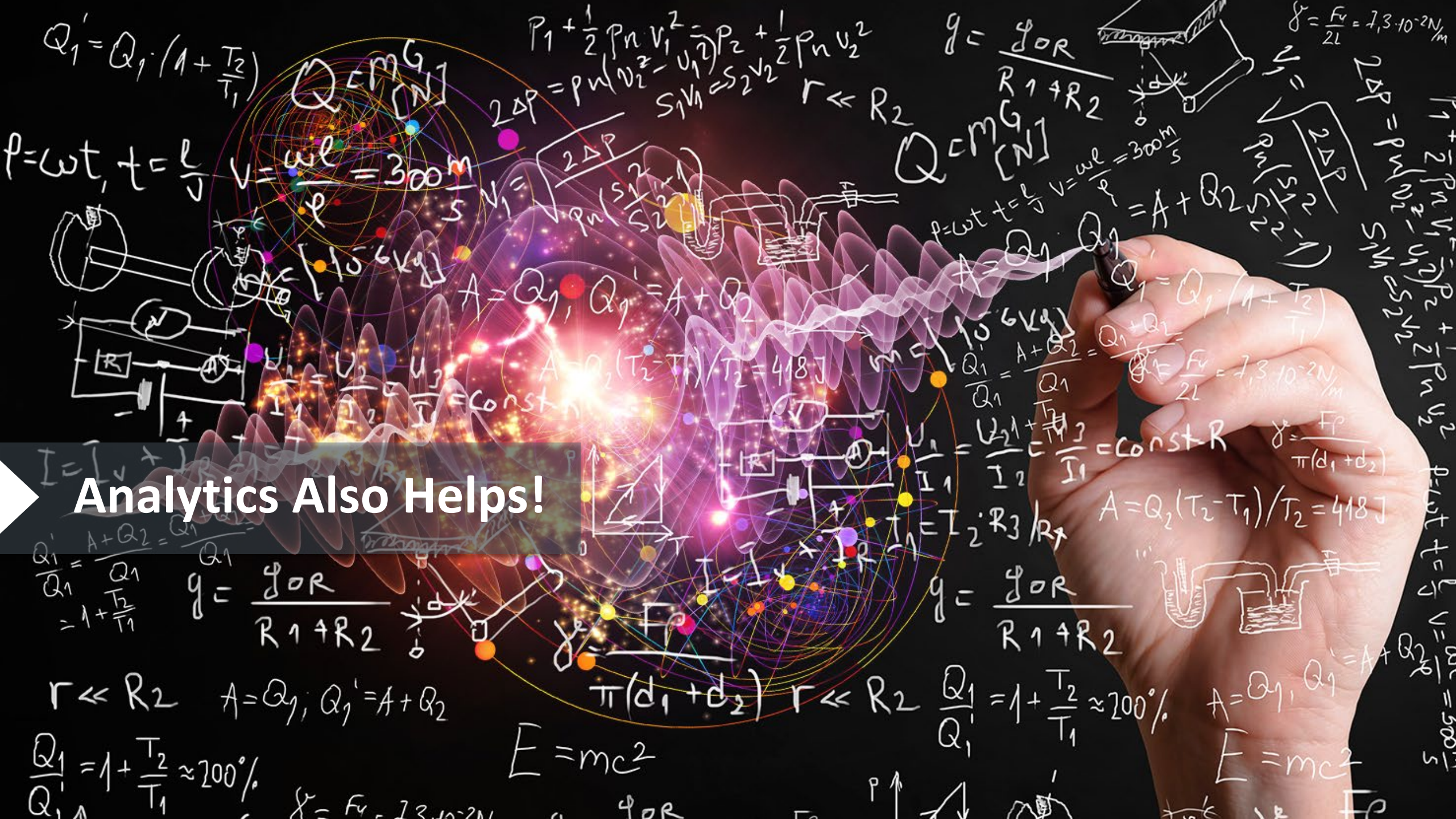
GE's Identification of the Crimes Under Investigation

19. In 2014, GE corporate security learned that Zheng had copied 19,020 electronic files from one of his GE-issued computers onto a USB external storage device, believed to be a thumb drive. GE has been unable to determine the contents of the 19,020 files, however, it is suspected that the files related to Zheng's work for GE as employees are discouraged from using GE-issued electronics to conduct anything more than incidental personal business. GE investigators interviewed Zheng in 2014 regarding this incident, and Zheng told them that he had deleted the files. GE had no additional information about the downloaded files, nor any corroboration about whether the files had been deleted or shared with any third parties.

20. In November – December 2017, GE discovered that approximately 400 encrypted files had been saved on Zheng's work (desktop) computer. The files were encrypted using a program called Axcrypt – a program not used by GE. This practice was not standard for GE employees, and GE did not know why Zheng would be encrypting files on his work (desktop) computer. Due to the encryption, GE was unable to view the contents of the 400 files that Zheng encrypted and saved on his GE computer.

Count 1: 18 U.S.C. § 1832(a)(1) Theft of Trade Secrets

DLP Can Help


Analytics Also Helps!

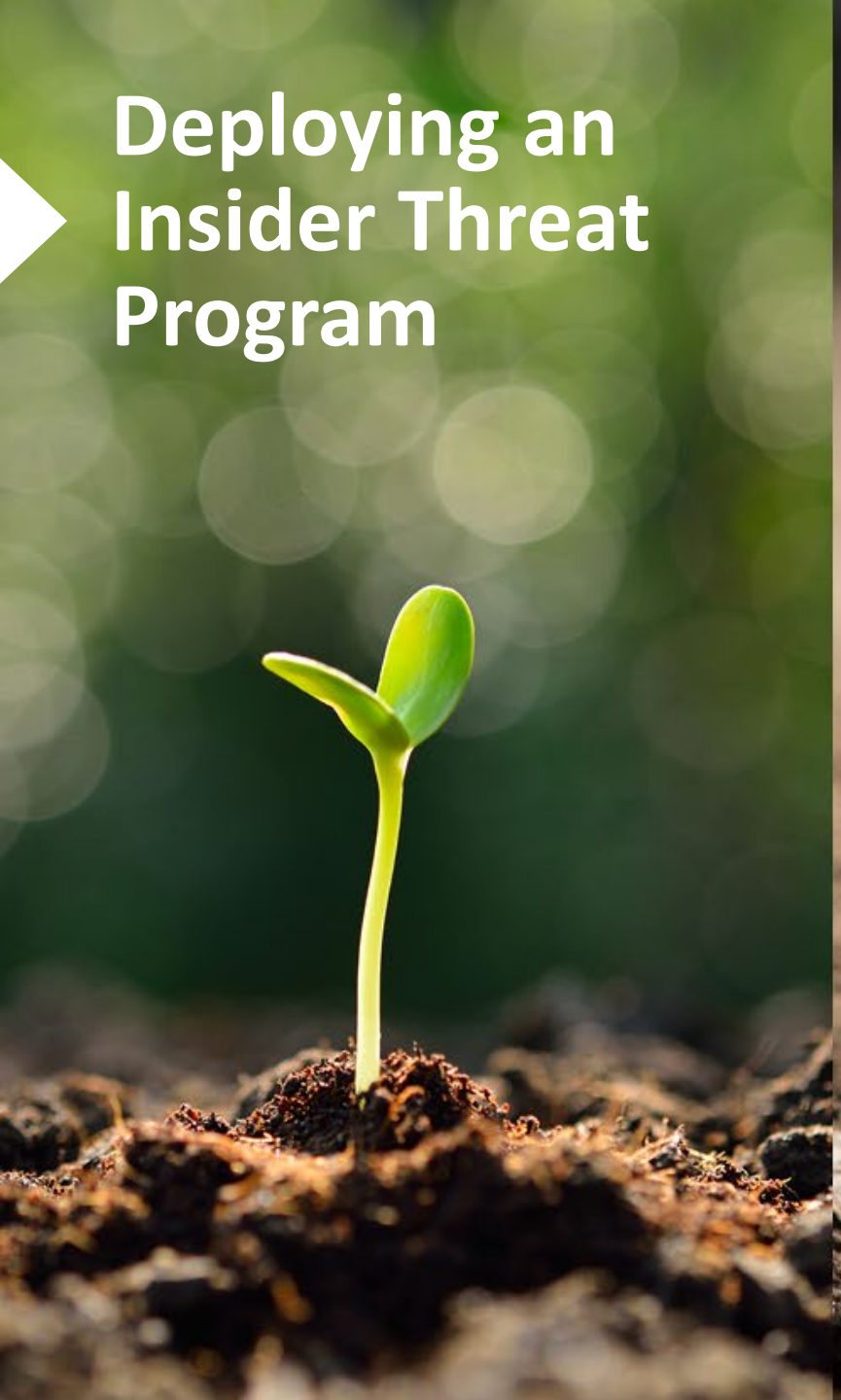

Peer-based
Comparisons

Red Flags for Fraud


Developers…

Source Code Control Systems

Deploying an Insider Threat Program




A Diversity of Data Sources

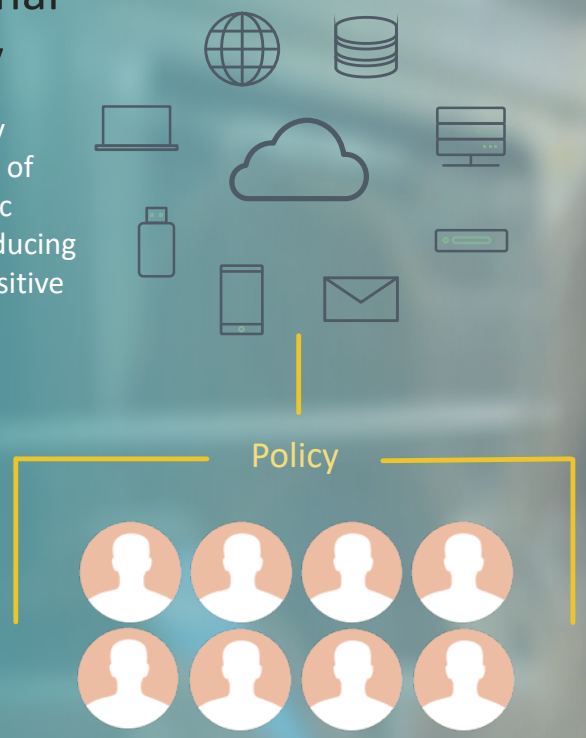
Conclusion

- Attacks like this are a matter of “when” not “if”
- Your best weapon is a diversity of data sources fused by analytics
- Don’t try and fix everything in one go, it’s a process.
- Your run rules: Transparency. Respect. Mission.

Q & A

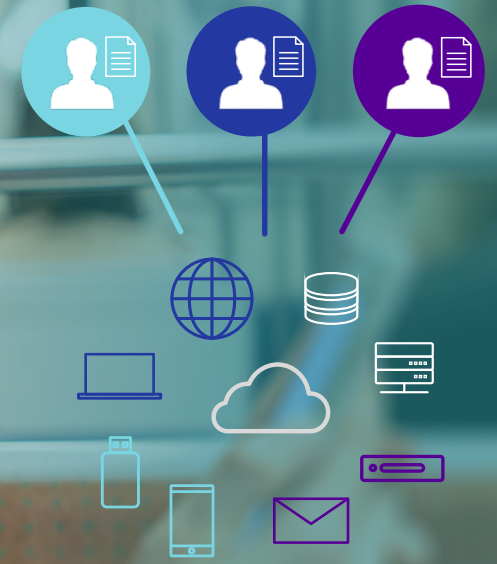
Traditional Security

One-to-many enforcement of static, generic policies, producing high false positive rates.



Human-centric Security

One-to-one enforcement of different policies based on the risk, enabling automation.



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