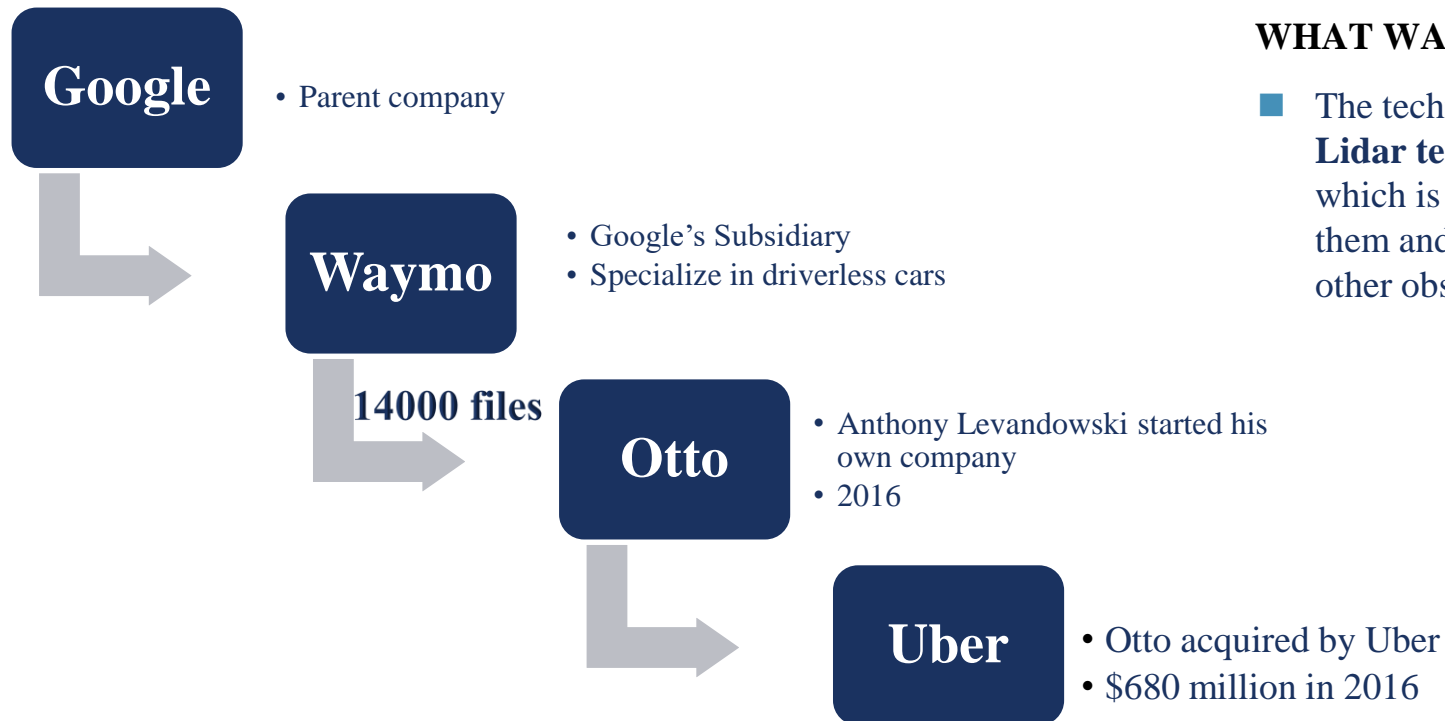


# BACKGROUND – Waymo vs Uber, Information Technology sector



## WHAT WAS STOLEN?

- The technology that is alleged to have been stolen revolved around **Lidar technology** - “**light detection and ranging**” technology, which is used in self-driving cars to allow vehicles to “see” around them and to detect other vehicles, bikers, pedestrians, animals, or other obstacles. The technology is integral to autonomous vehicles.



**Waymo was alleging and seeking \$1.8 billion in damages!**

Waymo filed a lawsuit in Federal Court in California, alleging that Uber conspired with Levandowski to create a fake company that would then be purchased by Uber.

## GARY BROWN'S TESTIMONY

- Former star self-driving car engineer Anthony Levandowski downloaded 14,107 files before leaving the company.
- Brown testified that he discovered logs that showed 9.74 GB of data, equaling 14,107 files, were downloaded onto a USB drive from a computer issued to Levandowski by Google



Internal Database - Armada

Security Application - Bit9

Internal Forensics Tool - GRR

# Comprehensive Analysis

- **What were the technical and management failures that enabled the incident?**
  - Employee retention.
  - Lack of proactive threat detection, log monitoring and management.
- **How did the organization respond to the incident? In what ways was this response ineffective?**
  - At the recovery phase.
- **Why was the organization unable to respond more effectively and aid those affected?**
  - Lack of systematic and organized Detection phase like threat detection.
- **Origin of Incidence?**
  - Insider Threat.
- **Aftermath?**
  - As part of the settlement, Waymo will receive 0.34 percent of Uber's equity which translates to approximately **\$244 million**.
  - Levandowski was fired from Uber in May 2017 after failing to cooperate with the company regarding this case.



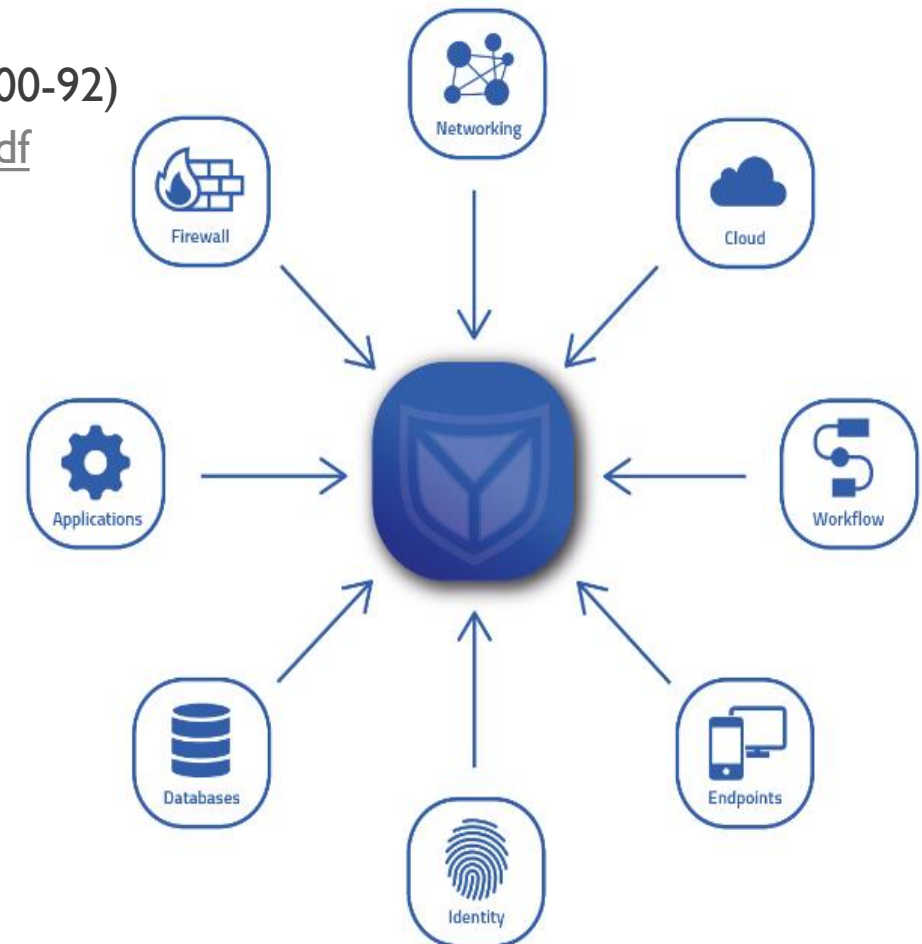
# POLICIES

- There are three security controls in NIST SP 800-171 and CMMC 2.0 that directly address removable media.
  - Control the use of removable media on system components
  - Prohibit the use of portable storage devices when such devices have no identifiable owner
  - Limit use of organizational portable storage devices on external systems.



# POLICIES

- NIST Guide to Computer Security Log management(Special Publication 800-92)  
<https://nvlpubs.nist.gov/nistpubs/legacy/sp/nistspecialpublication800-92.pdf>
- Log management helps to ensure that computer security records are stored in sufficient detail for an appropriate period of time.
- Routine log reviews and analysis are beneficial for identifying security incidents, policy violations, fraudulent activity, and operational problems shortly after they have occurred,
- Federal Information Security Management Act of 2002 (FISMA).



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**THANK YOU**