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Metis  
3/7/2017



Brief history of Palantir Technologies, the company that  
may or may not have tracked down Osama bin Laden  
with Big Data

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# About Palantir

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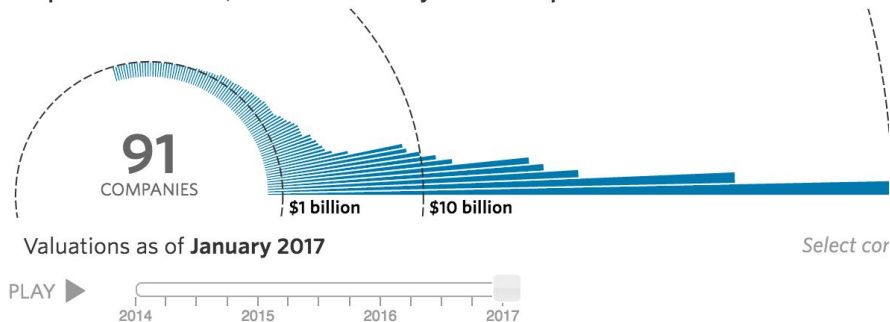
- Founded 2004 by former PayPal employees
- Specializes in big data analysis for both government and private clients
- Named after the Palantir in Lord of the Rings



# About Palantir

- First outside investor was In-Q-Tel (i.e. the CIA)
- Most recent valuation was approx. \$20B (2015)

Companies valued at \$1 billion or more by venture-capital firms



Company	Latest Valuation ▼	Total Equity Funding	Last Valuation
Uber	\$68.0 billion	\$12.9 billion	June 2016
Airbnb	\$30.0 billion	\$3.1 billion	September 2016
Palantir	\$20.0 billion	\$1.9 billion	October 2015
Snap	\$17.8 billion	\$2.4 billion	May 2016
WeWork	\$16.9 billion	\$1.7 billion	October 2016
SpaceX	\$12.0 billion	\$1.1 billion	January 2015

# Palantir Products

- Gotham
- Metropolis



# Palantir Products

- Gotham
  - For government clients
  - Integrates structured as well as unstructured data (like text)
  - Secure collaboration
  - Offers search and discovery (*don't worry, privacy and civil liberties protection included!*)
- Metropolis

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- Gotham
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- Metropolis
  - Primarily for clients in finance industry
  - Data integration, information management
  - Predictive analytics

# Palantir Architecture

*“Dynamic Ontology”*

# Palantir Architecture

## ***“Dynamic Ontology”***

- Ontology - Method of classification (e.g. periodic table)
  - Objects (e.g., documents, entities, events)
  - Properties
  - Relationships to other objects
- Dynamic
  - The interpretation of these objects is not hardcoded. It is flexible.

# Palantir Architecture



# Palantir Applications

- Counter-terrorism
- War-Zone Analytics
- Anti-Fraud
- Cyber Security
- Law Enforcement
- Disaster Response

# Palantir Applications - Typhoon Haiyan





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# PALANTIR PROVIDES THE ENGINE FOR DONALD TRUMP'S DEPORTATION MACHINE



Spencer Woodman

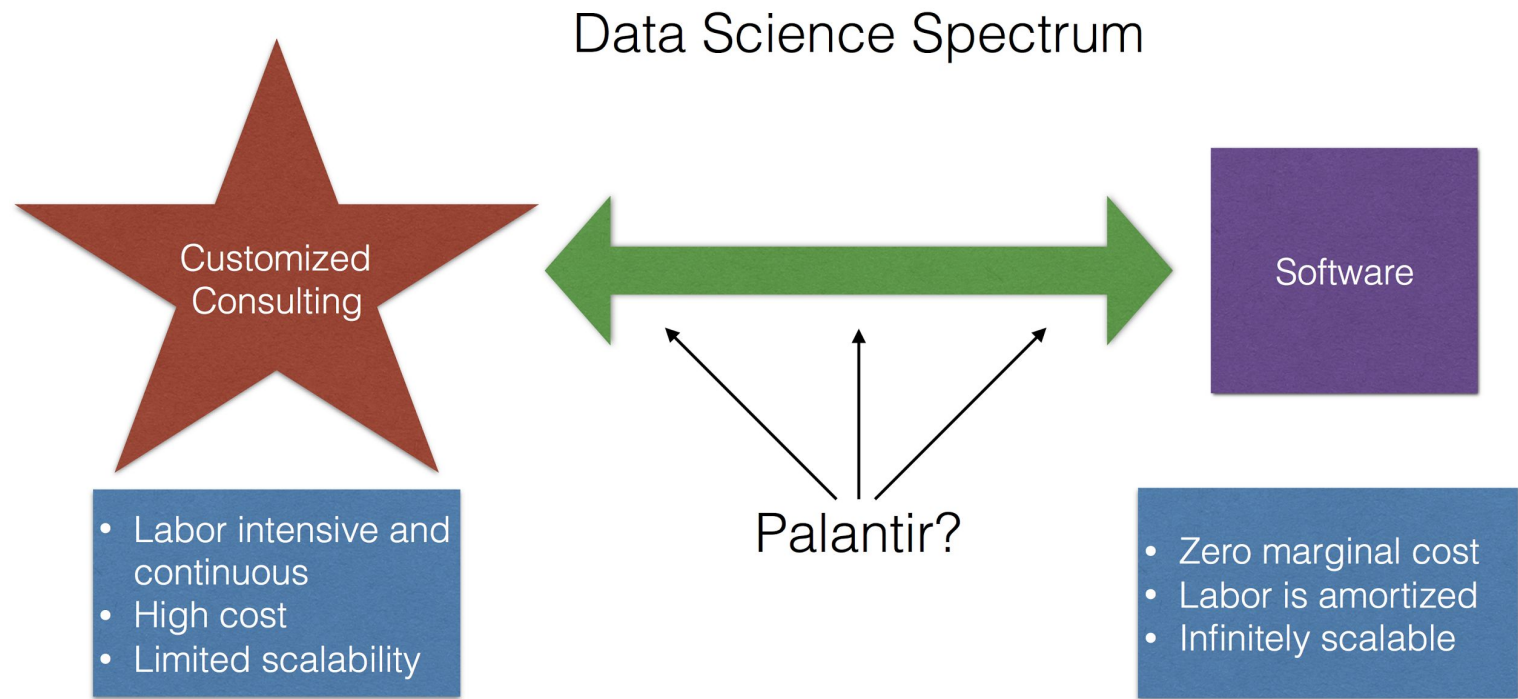
March 2 2017, 12:18 p.m.

**IMMIGRATION AND CUSTOMS ENFORCEMENT** is deploying a new intelligence system called Investigative Case Management (ICM), created by Palantir Technologies, that will assist in President Donald Trump's efforts to deport millions of immigrants from the United States.

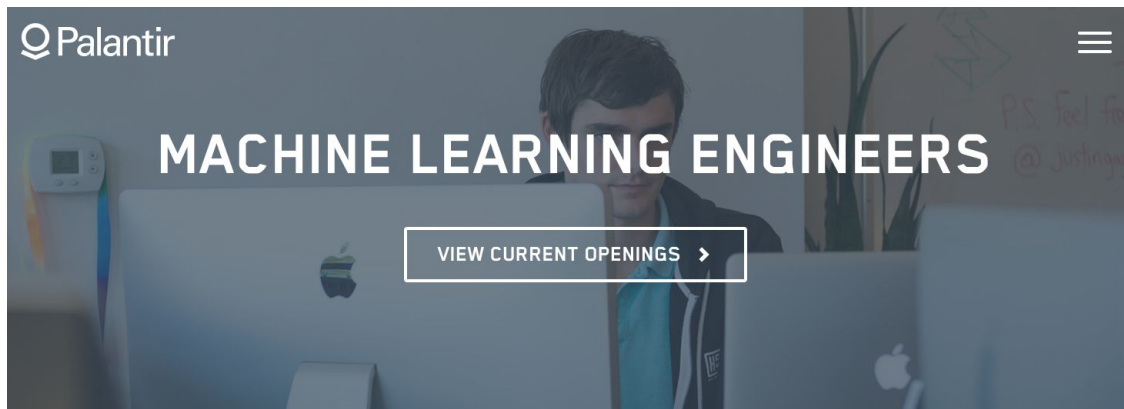
In 2014, ICE awarded Palantir, the \$20 billion data-mining firm founded by billionaire Trump advisor Peter Thiel, a \$41 million contract to build and maintain ICM, according to government funding [records](#). The system is scheduled to arrive at "final operating capacity" by September of this year. The documents identify Palantir's ICM as "mission critical" to ICE, meaning that the agency will not be able to properly function without the program.



# Palantir - Data Science



# Palantir - Data Science



The machine learning team (known internally as 'Delta Sierra') tackles machine learning challenges at Palantir, using data science to deliver insights from customer data. We are coders, statisticians, analysts, and problem solvers. Working with organizations and industries that are entirely new to machine learning, we help customers across sectors create signal from the noise, from streamlining operations to generating new revenue streams. We embed with our deployment teams, and use our experience in the field to integrate cutting-edge machine learning techniques into Palantir's core products.

## Sources:

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[Palantir.com](https://www.palantir.com)

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