



13TH ANNUAL GOVERNMENT CONFERENCE

Smart Strategies for Secure Identity

October 29–30, 2014

WALTER E. WASHINGTON CONVENTION CENTER, WASHINGTON, DC

Identity and Managing Risk-based Access Decisions
Richard A Parry

PARRY

a d v i s o r y

Identity Matters–

Because identity matters

Identity and Managing Risk-based Access Decisions

Richard A Parry





My Vantage Point

Royal Hong Kong Police, Commercial Crime Bureau

Visa International, Asia Pacific Region

Citigroup (formerly Citibank), Global Consumer Bank

JPMorgan Chase, Consumer

Issues

“Identity Theft” - misnomer

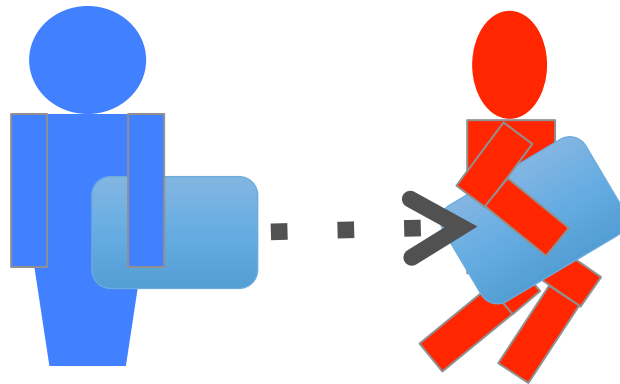
Synthetic Identities - poorly understood

Meaning of identity is confused and confusing

Data breaches - costly compliance nightmare

Risk-based inferred system of identity

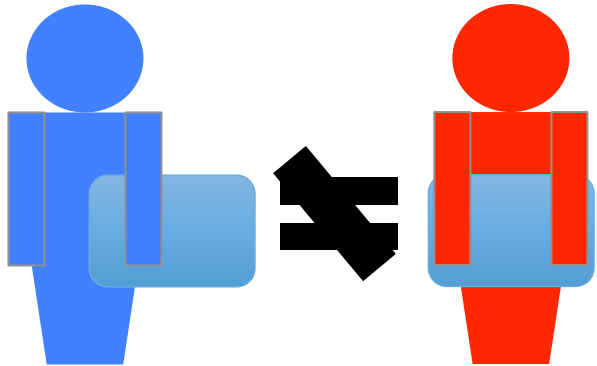
Identity Theft



Identity Theft

We don't have a problem with
Identity Theft.

**We have a problem with
impersonation.**



Our data is out there. Get over it!

Our data is out there. Get over it!

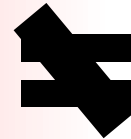
To manage risk under any other assumption is simply irresponsible.

Synthetic Identity

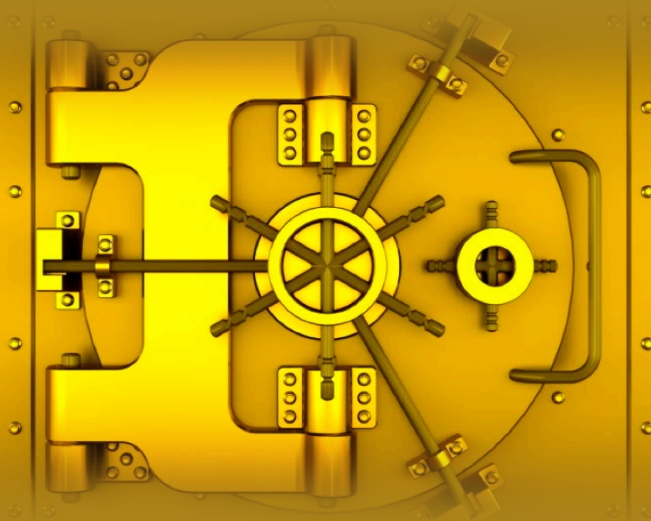
A Synthetic Identity does not necessarily resolve back to a unique carbon-based life form.



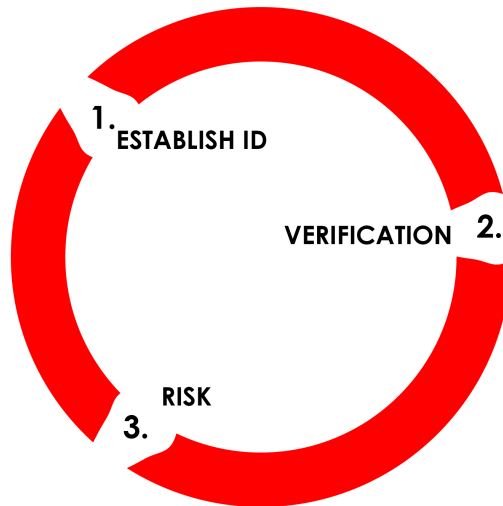
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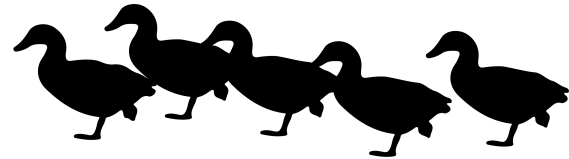
If we have gold standard locks,
we must know to whom we are giving gold standard keys.

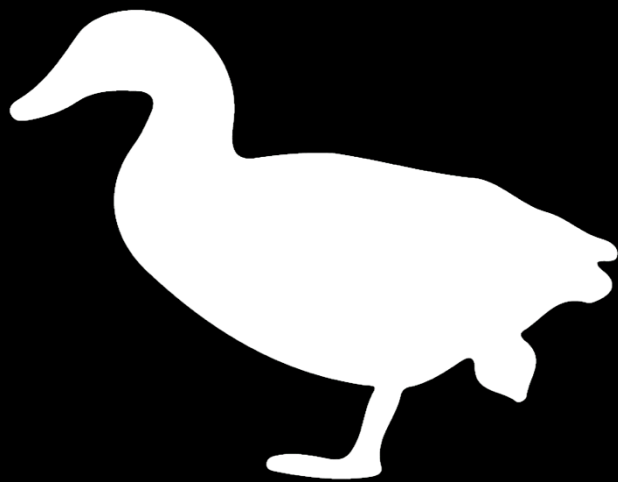


Know Your Customer (KYC)



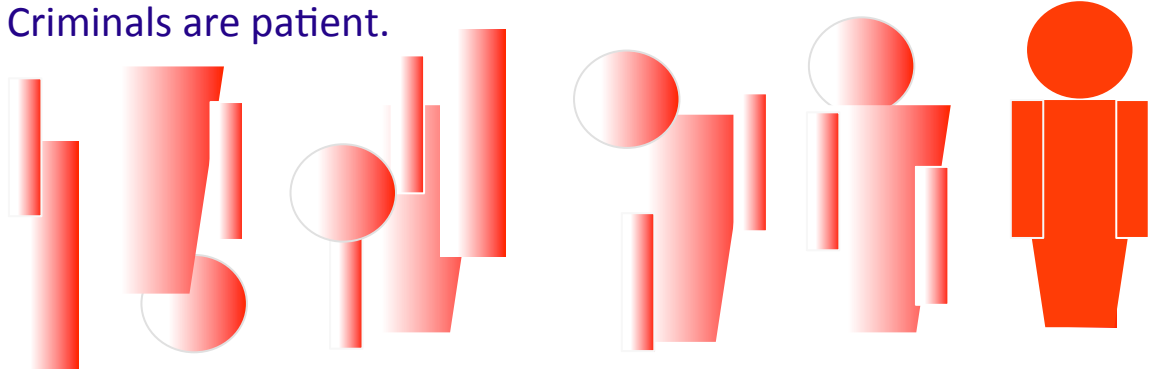
Inferred System of Identity





Synthetic Identity Creation

Criminals are patient.



They are prepared to cultivate IDs over months and years from self-reported data held by major commercial aggregators.

Fraudsters embrace social media.

What Is Identity?



So, who are we really?



We are who our mother know us to be.

CYBERSECURITY

TECHNOLOGY | RE/CODE | MOBILE | SOCIAL MEDIA | ENTERPRISE | GAMING | CYBERSECURITY

JPMorgan cyberattack hits 76M households

CNBC.com staff | @CNBC
Friday, 3 Oct 2014 | 1:51 AM ET



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ODAY
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NETT COMPANY

EBay asks 145 million users to change passwords after cyber attack

BY JIM FINKLE, SOHAM CHATTERJEE AND LEHAR MANI
BOSTONGLOBE.COM | First Published: 10/3/2014 12:01 PM EDT

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John Dvorak, chief executive of eBay, speaks at the Reuters Global Technology Summit in San Francisco, June 17, 2013. (AP/WIDEWORLD)

500M records stolen in 12 months

'You're going to be hacked,' FBI tells financial leaders

Erin Kelly
USA TODAY

can commit about 15,000 bank robberies sitting in their basement," said Robert Anderson, executive assistant director of the FBI's Criminal Cyber Response and Services Branch.

The U.S. financial sector is one of the most targeted in the world, FBI said.

"We're in a day when a person can commit about 15,000 bank robberies sitting in their basement."

Robert Anderson, FBI

About 35% of the thefts were from website breaches, 22% were from cyberespionage, 14% occurred at the point of sale when someone bought something at a retail store, and 9% came when someone swiped a credit or debit card, the FBI said.

even realize they had been hacked until they were told by investigators, vendors or customers, according to a recent study by Verizon cited by Pawlenty.

Businesses need to reach out to the FBI and Secret Service for tips on how to protect their data

BUSINESS

Home Depot's 56 Million Card Breach Bigger Than Target's

'Unique, Custom-Built Malware' Eliminated From Retailer's Systems After Five-Month Attack on Terminals

entering a building.

"We're in a day when a person

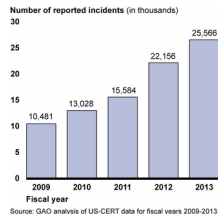
be hacked," Joseph Demarest, assistant director of the FBI's cy-

stolen in the past 12 months, he said.

About 80% of hacking victims in the business community didn't

said Supervisory Special Agent Thomas Grasso of the FBI.

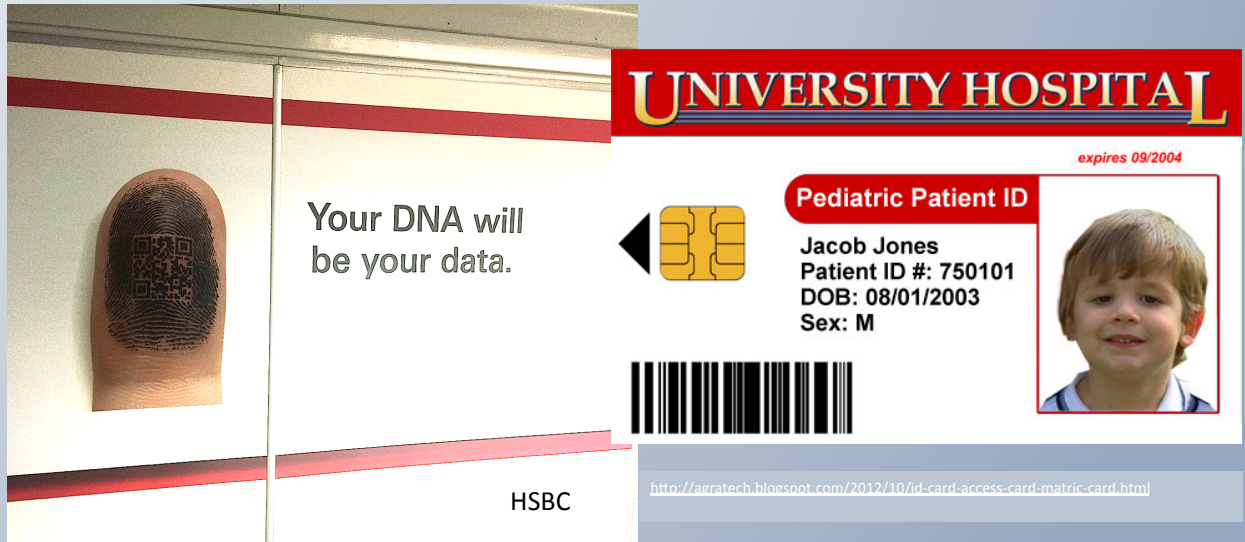
Data Breaches in the United States



How we filter what we see in today's world,
affects what actions we choose.



Identity Models



UNIVERSITY HOSPITAL

expires 09/2004

Pediatric Patient ID

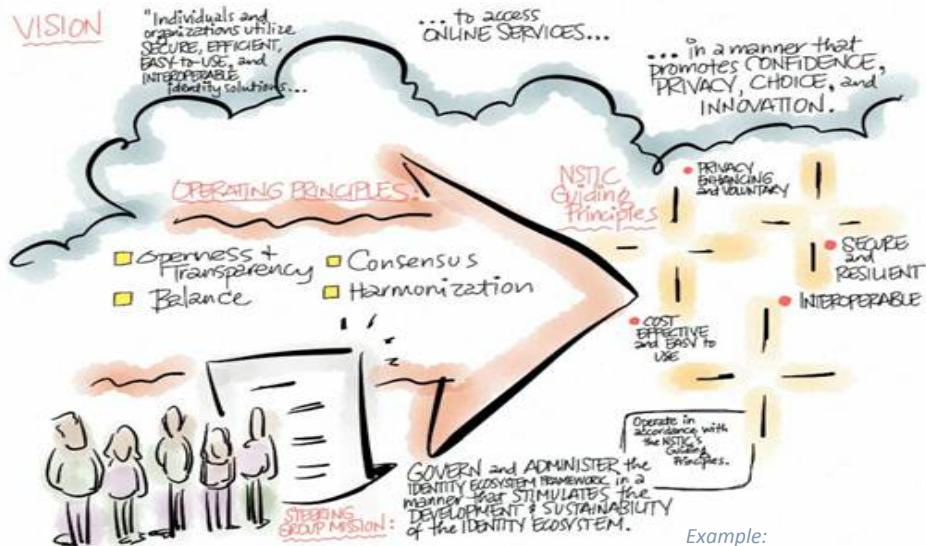
Jacob Jones
Patient ID #: 750101
DOB: 08/01/2003
Sex: M

Your DNA will be your data.

HSBC

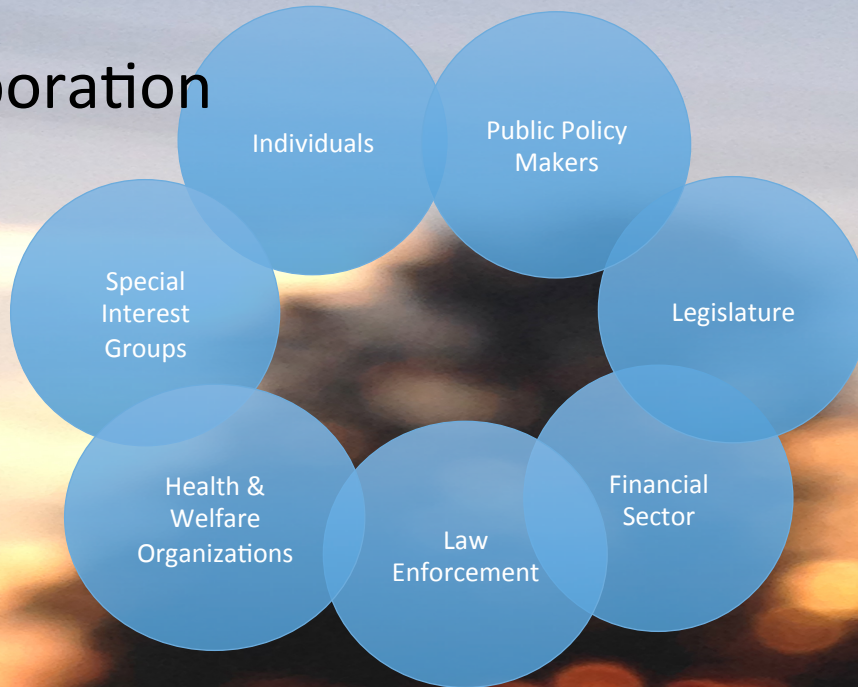
<http://agraretech.blogspot.com/2012/10/id-card-access-card-matrix-card.html>

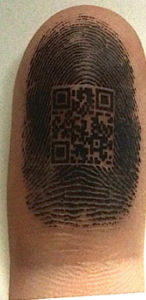
Identity Ecosystems



Example:
Identity Ecosystem Steering Group

Collaboration



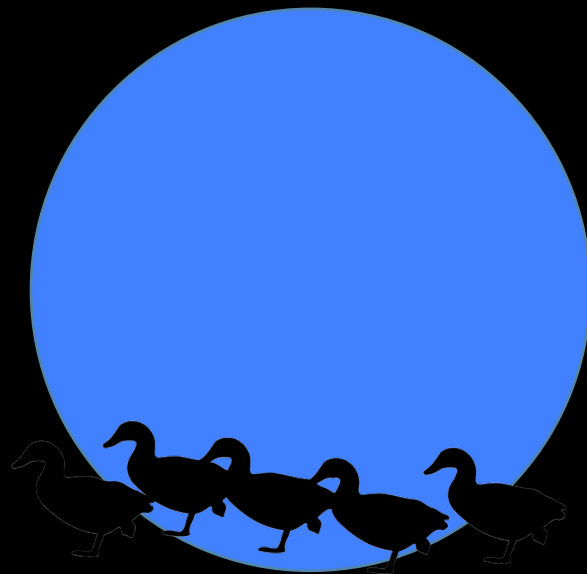


**Your DNA will
be your data.**

HSBC

What's the End Game?

Tokenized identity ecosystems must validate **both** the token and the token user, each time an identity critical interaction takes place.





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Principal

richard@parryadvisory.com

+1.312.404.2006