

Where is my big data: security, privacy and jurisdictions in the cloud

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Agenda

- My background
- What do I mean by big data?
- Cloud security
- Regulation and Jurisdiction
- So what can you do?

My background



CTO



CTO Client Experience
Co-head CTO Security



Corporate Finance
fintech, early stage



IT R&D – Networks and security
Grid, app server engineering



Combat System Engineer

Recent adventure with Big Data



Misquoting Roger Needham

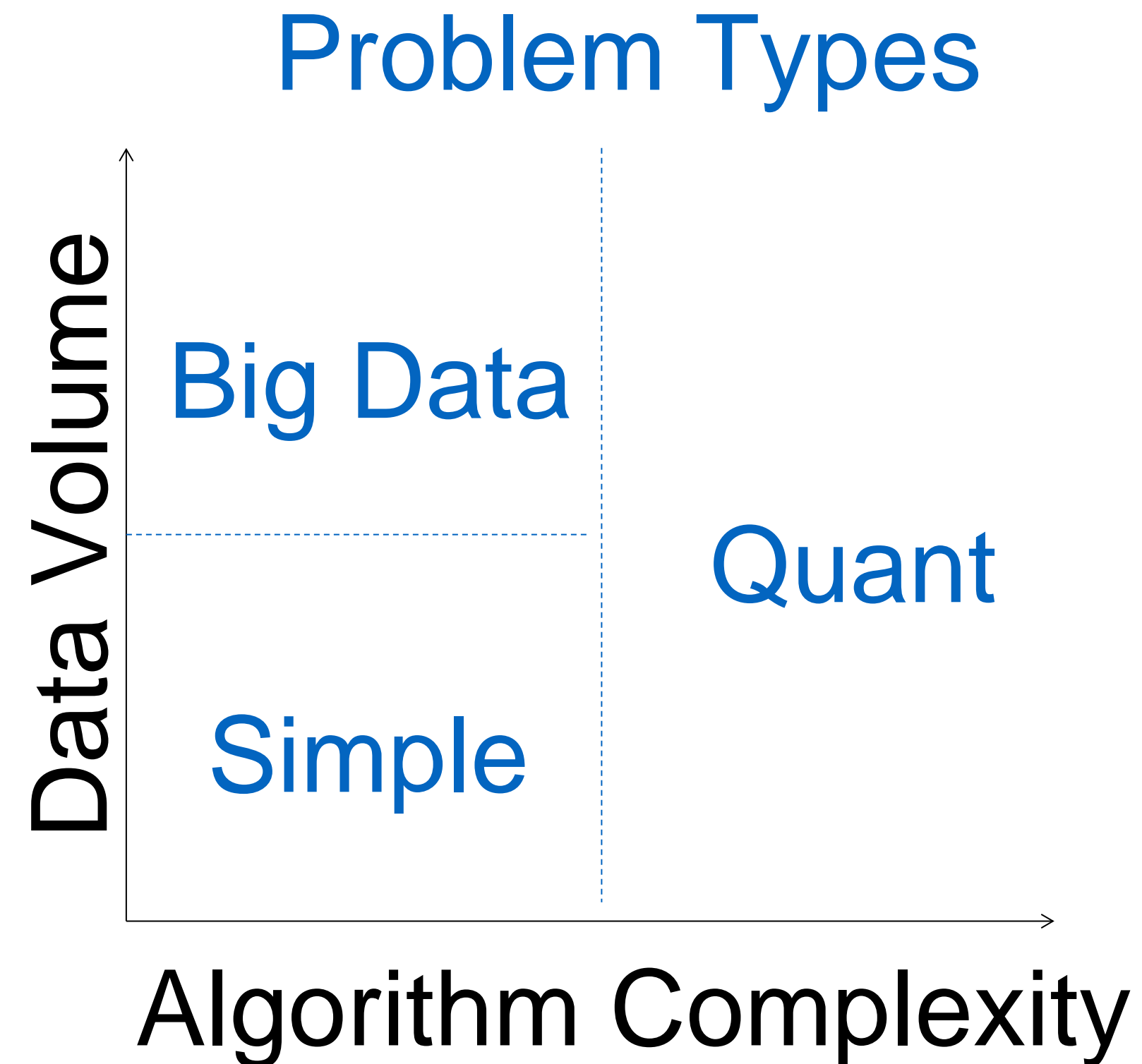
Whoever thinks their analytics problem is solved by big data, doesn't understand their analytics problem and doesn't understand big data



What do I mean by 'big data'?

The 2x2 view

Based on a blog post from April 2012 – <http://is.gd/swbdla>

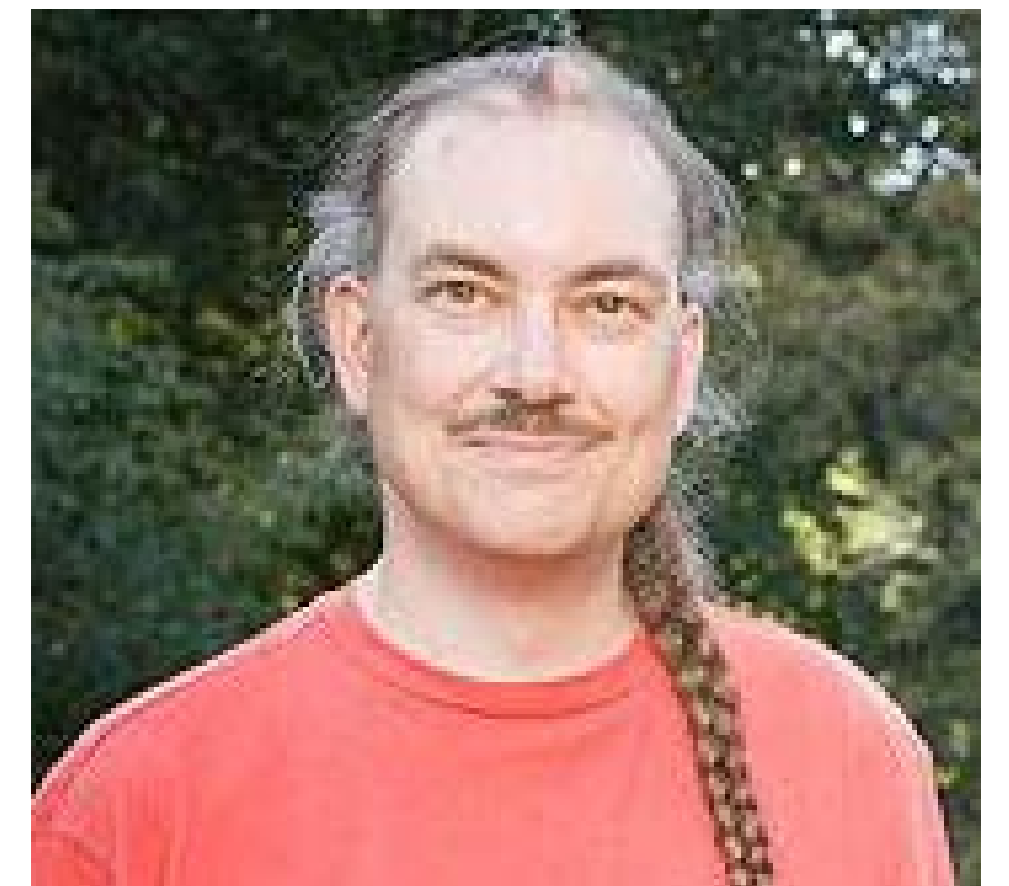


Advertising is the canonical use

“By and large, the story of web advertising and ad companies and networks is a story of organizations aggressively and unapologetically tracking and intruding on people for years.”

Chris Siebenmann

[http://utcc.utoronto.ca/~cks/space/
blog/web/AdblockingAndMorality](http://utcc.utoronto.ca/~cks/space/blog/web/AdblockingAndMorality)



I quit Facebook



Cloud Security

A cynical view



More pragmatically

“

Many companies are below the ‘security poverty line’ with no hope of defending themselves against attacks

Wendy Nather, 451 Research

”



Regulation and Jurisdiction

Three common approaches

| Based on | Example |
|-------------------|--------------------|
| Rules | Singapore |
| Principle | UK/US |
| Comparison | Switzerland |

Often the same aims

Economy

Employment

Capital

The 'tin foil hats' were right



Real legislative dangers

Patriot Act

FISA 702

EO 12333



@CasparBowden

Physical location is not enough

computing

Home News Analysis Features Documentaries Events Research CIO

Where am I? > Home > Opinion > Security > Privacy

Why Amazon's new EU data centres are just as vulnerable to NSA surveillance as their US ones

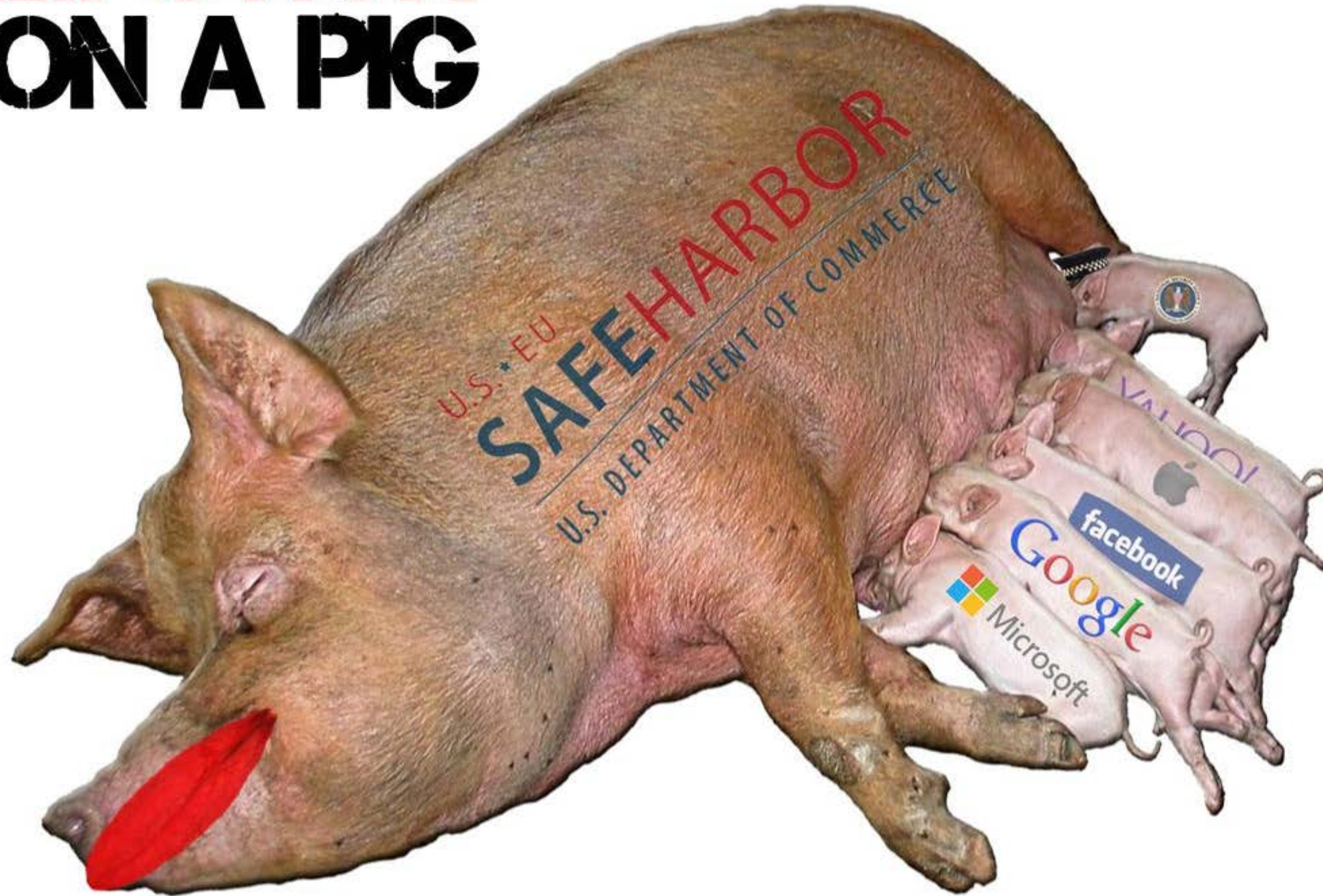


Alexander Hanff

<http://www.computing.co.uk/ctg/opinion/2403739/why-amazons-new-eu-data-centres-are-just-as-vulnerable-to-nsa-surveillance-as-their-us-ones>

Safe Harbour?

**LIPSTICK
ON A PIG**



So what can you do?

Do as your government does



Questions?