



The need for multi-tasking teams within cyber security departments

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About.me/aureliepols

Today we'll talk about:

- My career (so far, so good)
- Digital Transformation
- Types of (Data) Risks
- Digital Risk Officers

Ask me if...

- ❖ I'm an engineer
- ❖ I can code

Probable reply:

I'm an econometrist
with a GitHub account
and I can cook ;-)



Professional career?

- Statistics, actuarian, data warehousing (insurance)
 - Pre-Internet bubble (2001) digital marketing, pan-European Start-Up (healthcare)
 - Pan-European digital project manager (banking)
 - Own Start-Up in Digital Analytics (sold in 2008)
- *** Baby break, move to Spain ***
- Own Start-Up => start-down (†), learned a lot!
 - Own Data Privacy consultancy, global clients

What do I do?

Data Risk Mitigation Of Digital Transformation Projects

?? QUÉ ??

Ok, let's start with Digital Transformation

Solving problems

Career Counseling Advice in the New Economy

“Don’t ask kids what they want to be when they grow up but what problems do they want to solve. This changes the conversation from who do I want to work for, to **what do I need to learn** to be able to do that.”

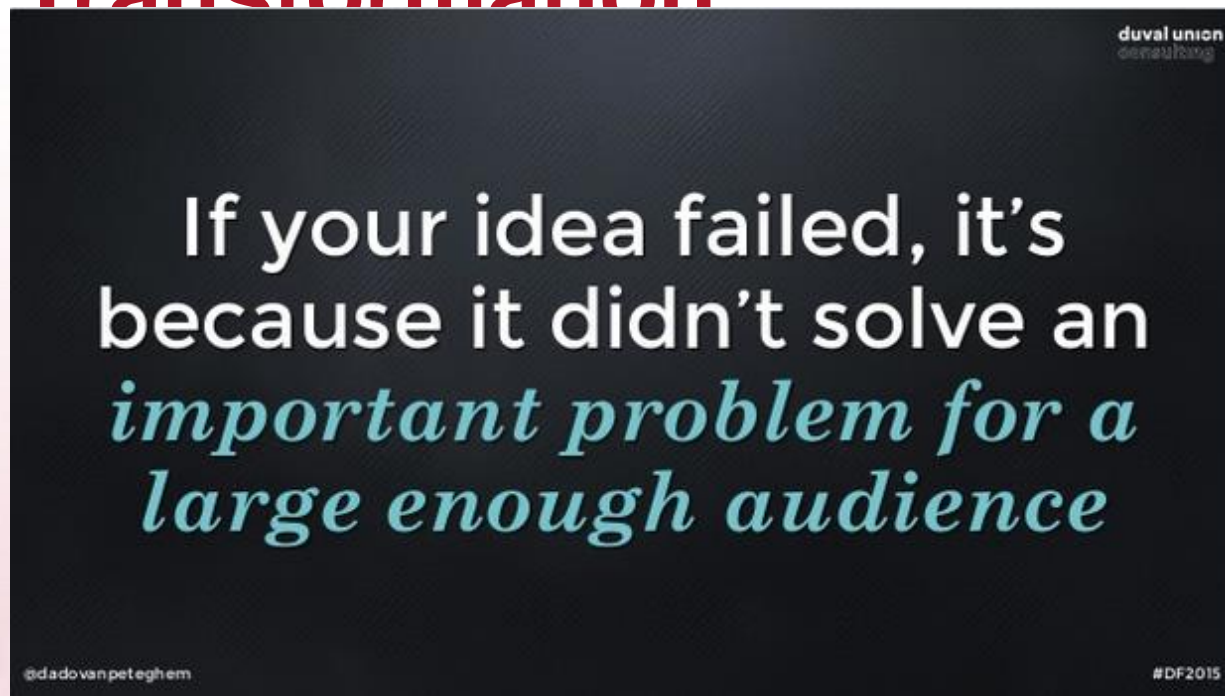
Enlightened management?

	Hier	Demain
Echelle	Big	Multi-Small
Tâches	Divisées	Complexes
Compétence	Limitée	Polyvalente
Autorité	De statut	De compétence
Relations	Hiérarchique Directive	Autonome, responsable
Réussite	Dévouement	Initiative réactivité
Objectifs-Contrats	Imposés	Négociés, suscités
Actions	Contrôle <i>a priori</i>	Contrôle <i>a posteriori</i>

Zombification => Momentum

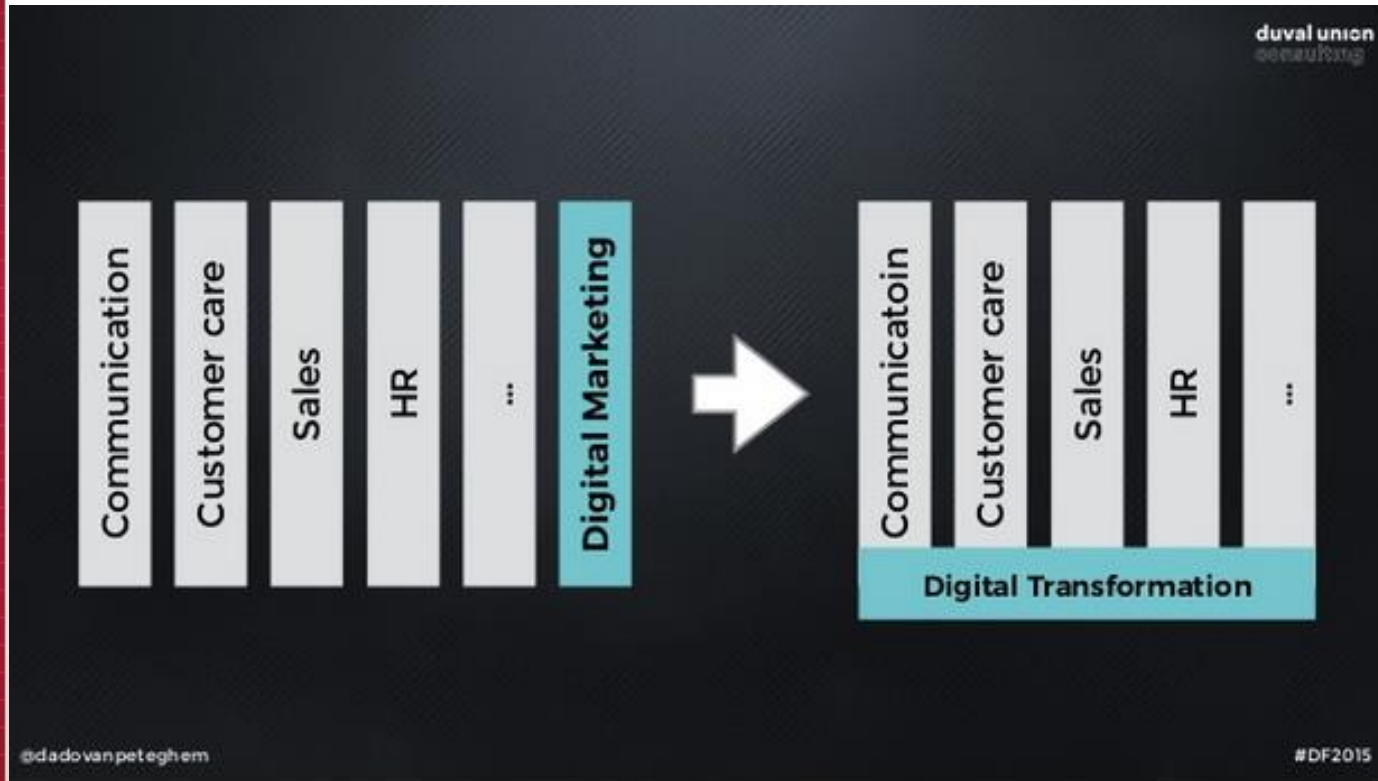


Disruption => Transformation



Source: <http://www.slideshare.net/DearMedia/forget-disruption-its-time-for-transformation/23>

Not a new idea except adoption



Digital? IoT? => more (Big) Data!



(BIG) DATA
=>
(BIG) RESPONSIBILITY

Hedging against Risk

3 classifications of Data Risks:

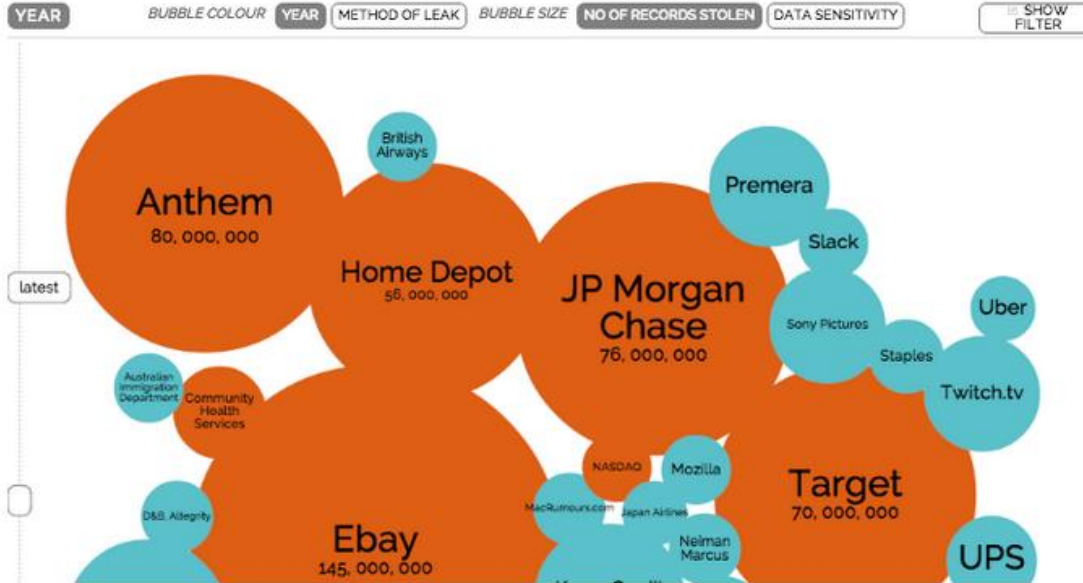
1. Legal: Privacy & Compliance Risk
2. Reputational: Creepy uses of data
3. Security: Data breaches, loss, theft,

Cyber Risk?

World's Biggest Data Breaches

Selected losses greater than 30,000 records
(updated 30th Mar 2015)

interesting story



informationisbeautiful.net Data Breach Visualization

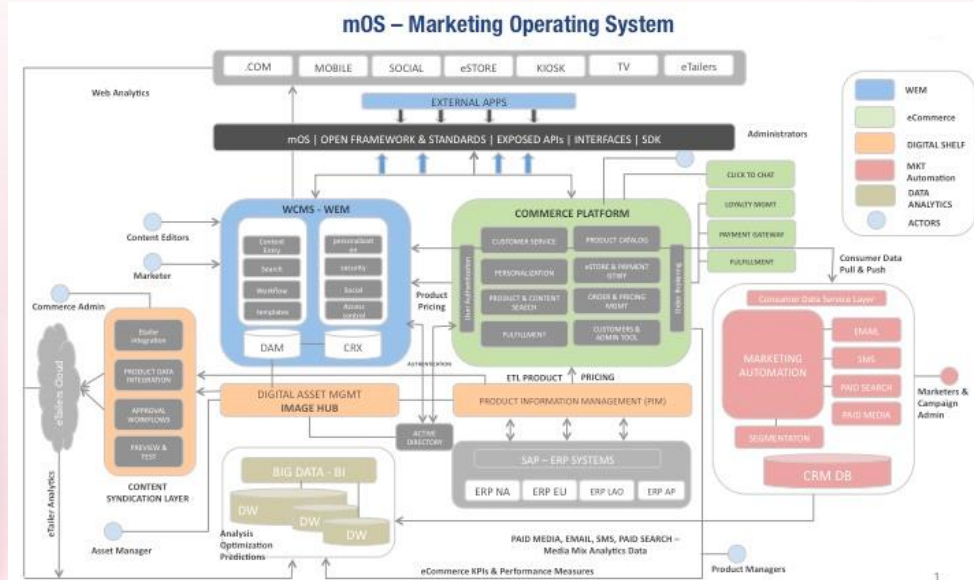
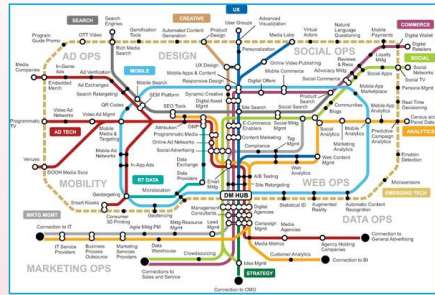


Call it Digital Entanglement?



Scott Brinker @chiefmartec · Sep 25

.@AureliePols yes, and the more complex all this "digital entanglement" becomes, the more challenging good governance will be -- big issue



Which tools?
What data?
Who has access?

Privacy Risk Management

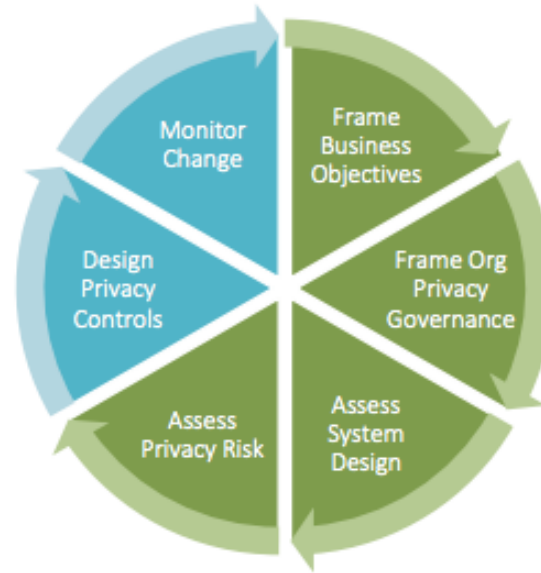
- The Big picture



Source:

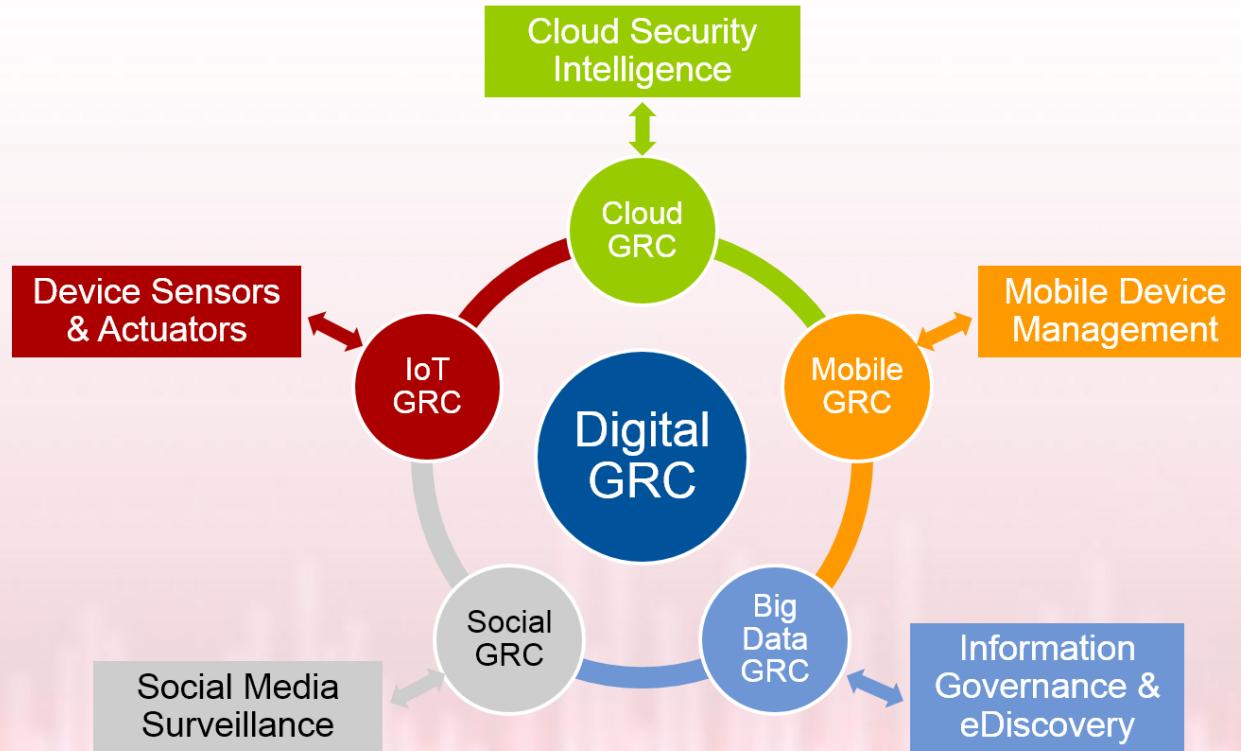
http://csrc.nist.gov/publications/drafts/nistir-8062/nistir_8062_draft.pdf

- The secret formula



$$\text{Privacy Risk} = \text{Likelihood of a problematic data action} \times \text{Impact of problematic data action}$$

Digital GRC: Governance, Risk, Compliance



Rise of the Digital Risk Officer?

Master

- Cloud, mobile, social and big data
- Physical security technologies
- IoT
- OT
- Machine-to-machine (M2M) security
- Physical security management
- Embedded software and system security
- Identity and access management (IAM)
- Recovery associated with digital business delivery

Know

- Business continuity management
- Privacy
- Legal and regulatory requirements
- Risk assessments that span digital business models end to end
- Finance and budgeting knowledge
- Digital marketing and customer intimacy
- Supply chain security concerns

Mitigating Digital Data Risk

“The DROs must be equipped with excellent communication skills, strong business knowledge and the ability to translate very technical issues into business-related decision points.”

The Future?
 Analytics Self-Service
 The Risk?
 Contain it, start today!





Thank you so much for your attention!

Questions, thoughts,
comments welcome!

Gracias!

Two circular icons representing social media profiles, one on the left and one on the right, both with a white outline and a red glow.

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