



Secure Business Collaboration Do It Now!

Collaboration Oriented Architecture
as it pertains to **FIPNet**

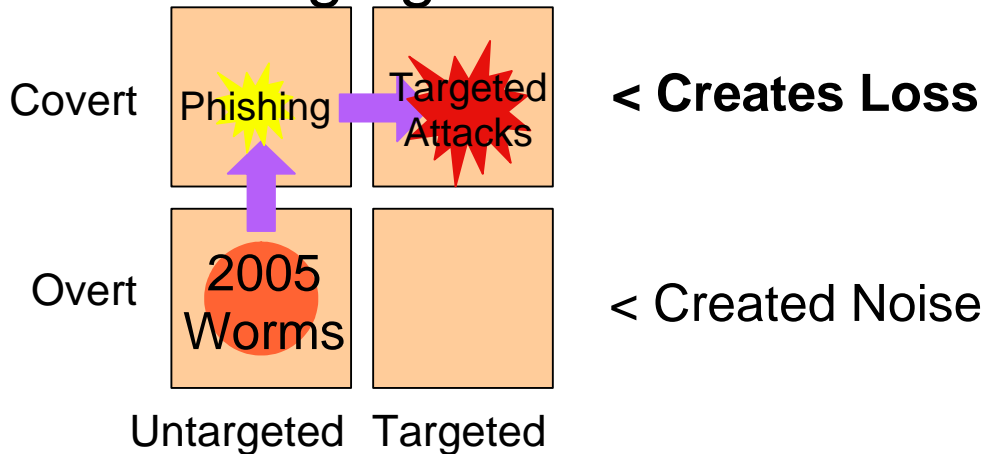
Adrian Seccombe
CISO, Eli Lilly



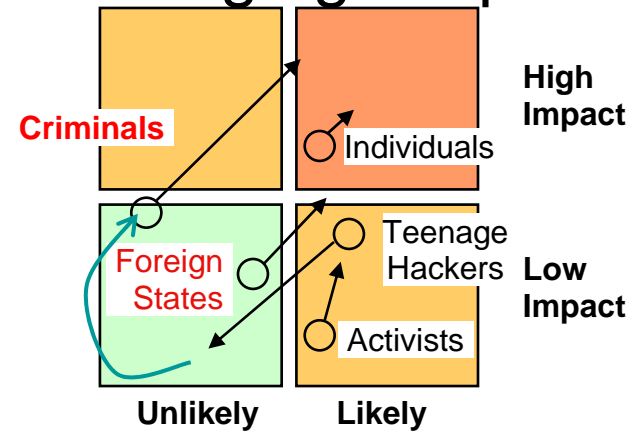
Why Worry:

Security Environment 2005 > 2008

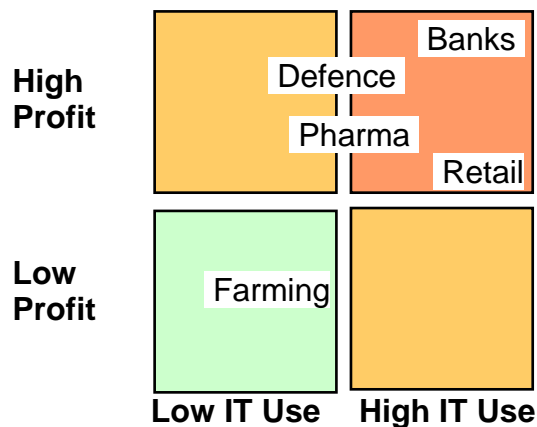
Changing Threats



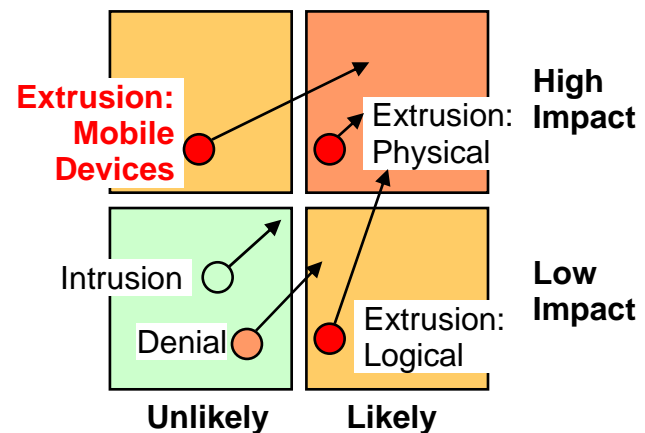
Changing Perpetrators



Target Industries



Changing Means



Remember
De-Perimeterisation!
A pointer from
HISTORY!





Backgrounder

- The journey so far...
- Defined the issue, and created noise around ...

De-Perimeterisation

– We don't apologise for the controversy!

- Created the Commandments, there are 11!
- Created a generic Roadmap
- Trademarked: Jericho Forum
- Created *Inherently Secure Communications Paper*
- ***Published the COA Position Paper***

Collaboration Oriented Architectures

We need to shift our mindset!

A fundamental shift in thinking is required, moving from the thinking of a **Hedgehog**, an animal that rolls into a tight ball at any sign of threat,

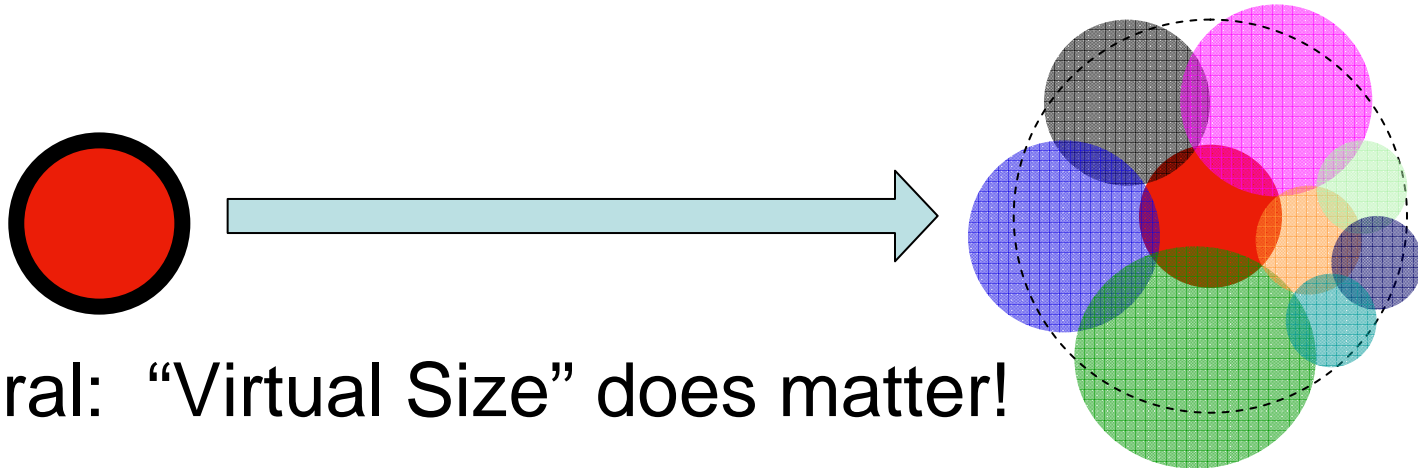
to that of a...



Strawberry Plant, which puts all its key genetic material securely on its outside, as well as sending out suckers to extend the plants domain.

The Lilly Frame...

- We **are** changing from a FIPCo to a FIPNet.
 - Fully Integrated **P**harmaceutical **C**ompany
 - Fully Integrated **P**harmaceutical **N**etwork
- **Collaboration** will be a core capability.



The moral: “Virtual Size” does matter!

Goals: Lower Cost, More Flexibility, Managed Risk!

Properties of “2.0” Enterprises

Low- Barrier, Self Service

Networked, Cost Effective

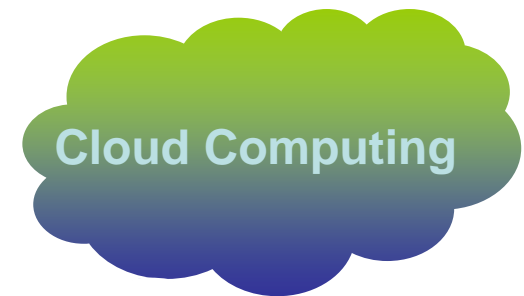
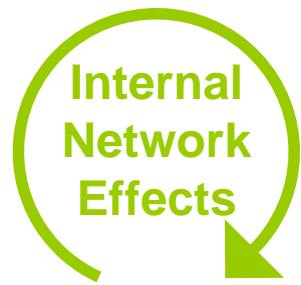
Open, Decentralised

Customer Centric

Workforce

Enterprise 2.0

Intranet



Customers

Web 2.0

Web

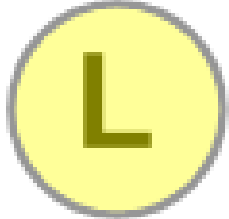
Enterprise 2.0 Capabilities

According to
Professor
Andrew McAfee



SEARCH

Discoverability of information drives reuse, leverage and ROI



LINKS

Using URIs to forge thousands of deep interconnections between enterprise and external content



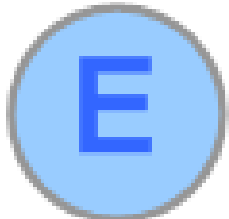
AUTHORSHIP

Ensuring that every worker has easy access to, and knowledge of content tools



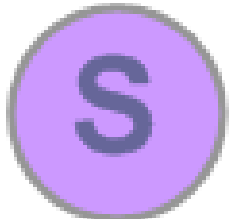
TAGS

Allowing natural organic, on-the-fly organisation of data from every point of view



EXTENSIONS

Extend knowledge by mining patterns and user activity



SIGNALLING

Make information consumption easy by pushing news of changes

The trick is designing each of these capabilities as
Securely Collaboration Oriented

Collaboration Oriented Architectures

Why?

- We had defined the **Problem...**

De-Perimeterisation

- We had developed a set of “Principles” in the **Commandments...**
- We had created a roadmap in 2007
(Though not rich with content)
- We realised we needed to provide more details around the **Solution....**



COA: The Papers Framework

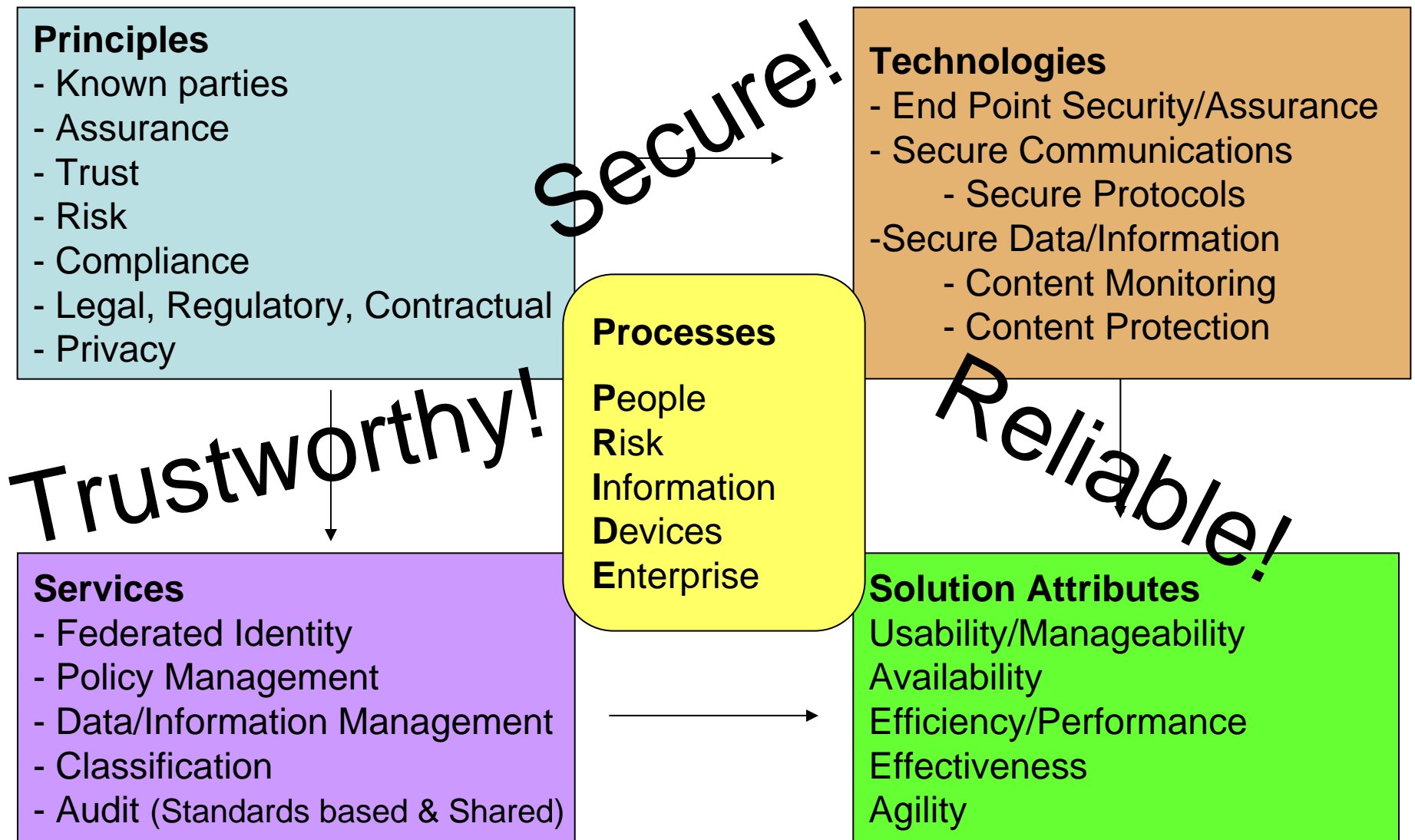
- **Introduction**
- **Problem**
- **Why Should I Care?**
- **Components of COA**
- **Recommended Solution/Response**
- **Conclusion**
- **The Way Forward**



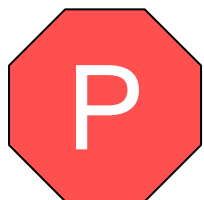
Why Should I care?

- De-Perimeterisation is happening NOW!
- COA is the framework that will allow appropriately architected business-driven solutions to be developed and delivered.
- Adopting COA allows the added value of externalisation while mitigating the additional risks to your organizations.

Components of COA



More on the PRIDE Control Processes



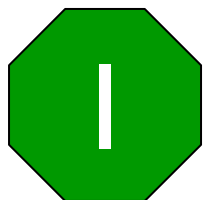
People

People processes that enable the life cycle management of the new externalised workforce and empowered customers, including on-boarding, role management and off-boarding.



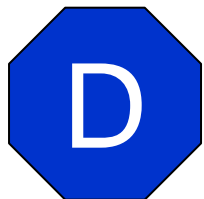
Risk Management

Risk Management Processes that can enable the management of Information Risk across multiple partners and collaborators.



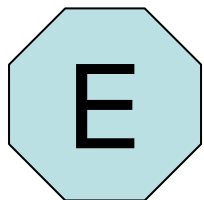
Information Asset (Data and Records)

Information Asset (Data and Records) life cycle management processes that ensure the Identity, Confidentiality, Integrity, Availability of Data, including Data and Record Retention in Collaborations.



Device

Device life cycle management processes that ensure the appropriate trust state and identity of technical entities (Clients, Servers, and Services) accessing the information assets.



Enterprises

The life cycle that manages the on-boarding, role management and off-boarding of Enterprises (Suppliers, Partners and Collaborators)

Conclusion

- Implementing COA builds upon existing standards and practises to enable effective and secure collaboration
- COA recognises that the Web 2.0, Mobility, Cloud and SOA patterns enables collaboration and allow legacy applications to be re-architected.
- It will take a different “Web 2.0” and “Externalising” Mindset, and new services, both “in clouds” and around the data.

The way forward

- Read and “Internalize” the **Jericho Forum Commandments** so you can “Externalize”
- Read and Understand the **Collaboration Oriented Architectures** Papers
- Get ready for the Cloud and Web 2.0 waves they will REALLY help you understand the De-Perimeterisation Problem...
...hopefully not too late!!!
- **Papers available at :**
<https://www.opengroup.org/jericho/publications.htm>

Pointers from Nature



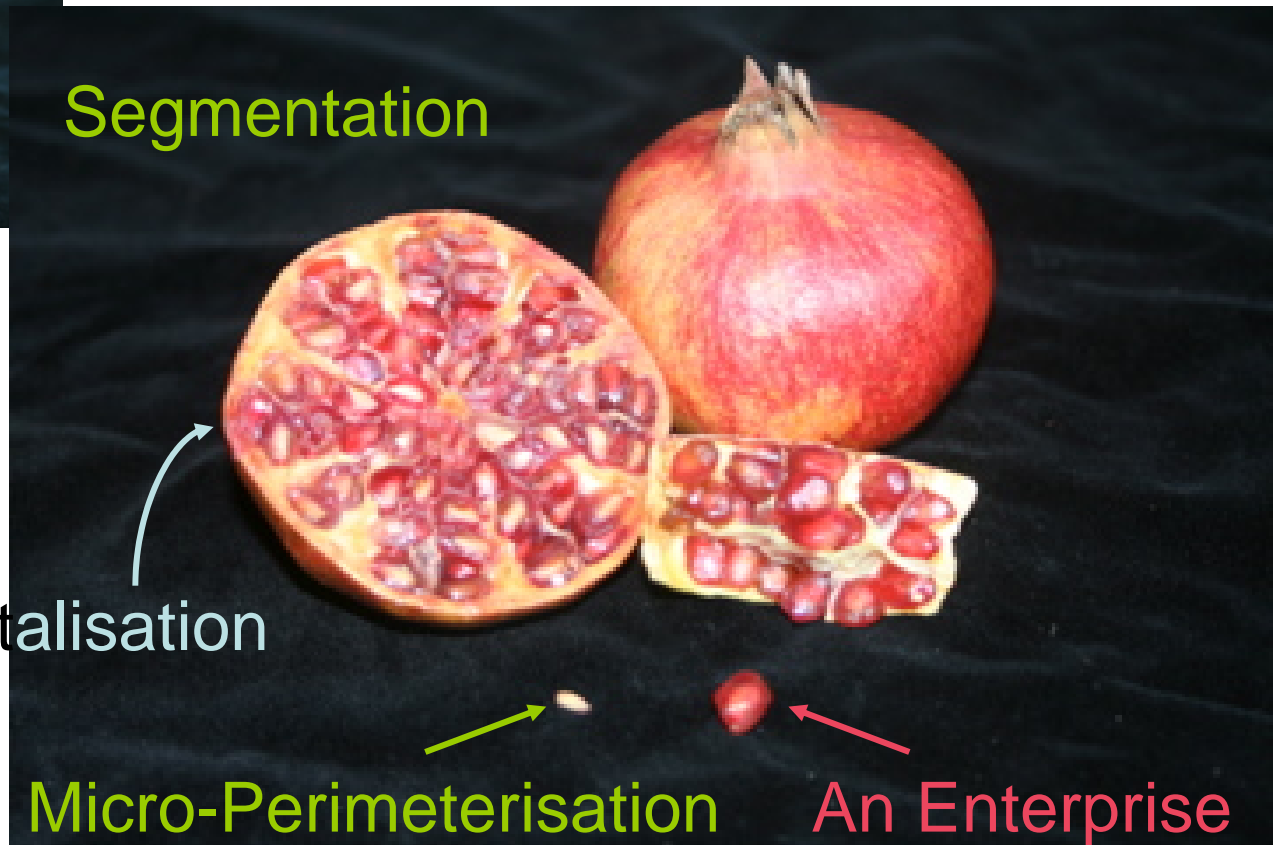
Macro-Perimeterisation
(Security Services in the cloud)

Segmentation

Genetic
Verification

Compartmentalisation

Micro-Perimeterisation An Enterprise
(Information Centric Security)



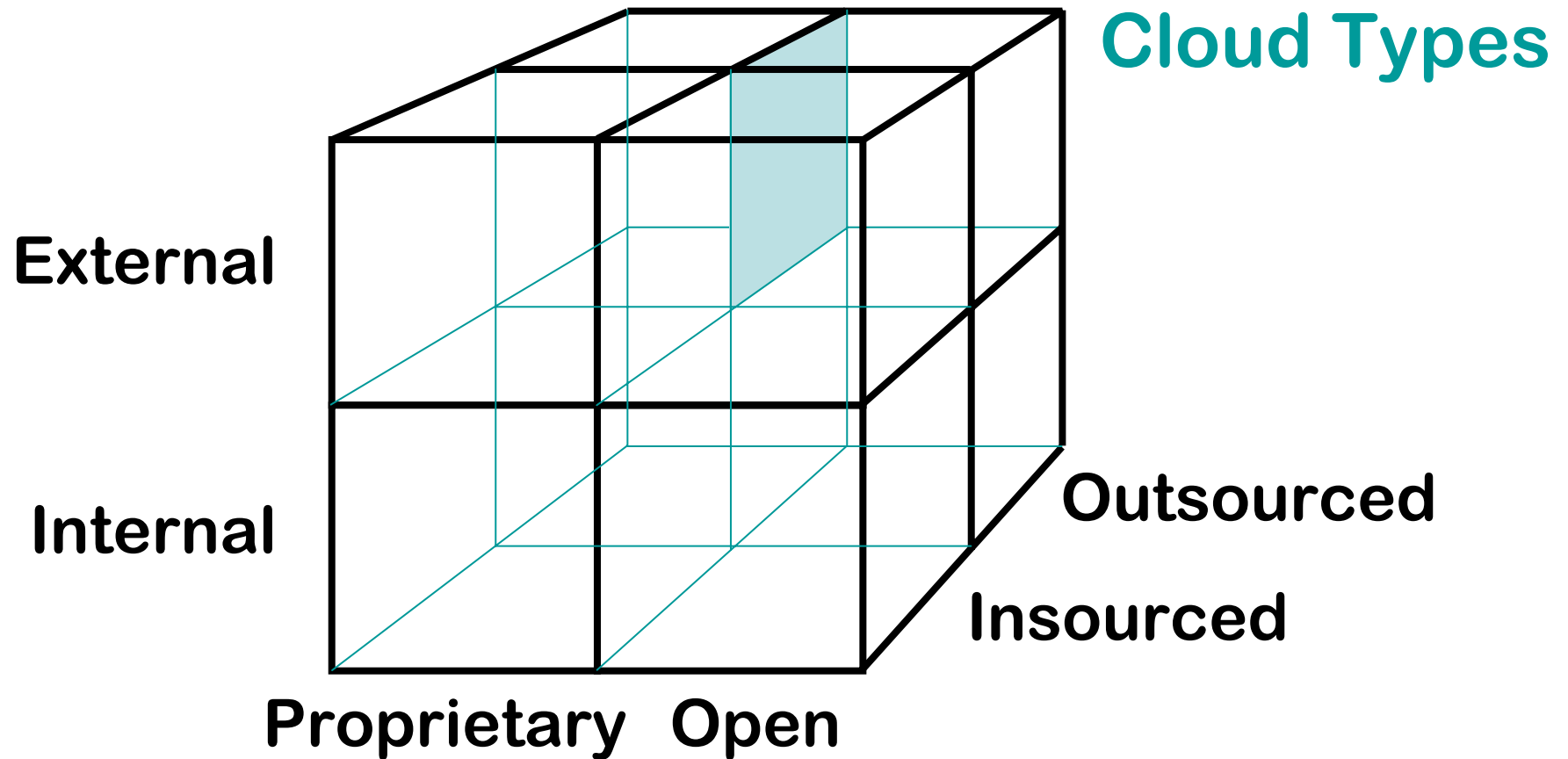
Questions.... Please!



Enterprise 2.0 some links

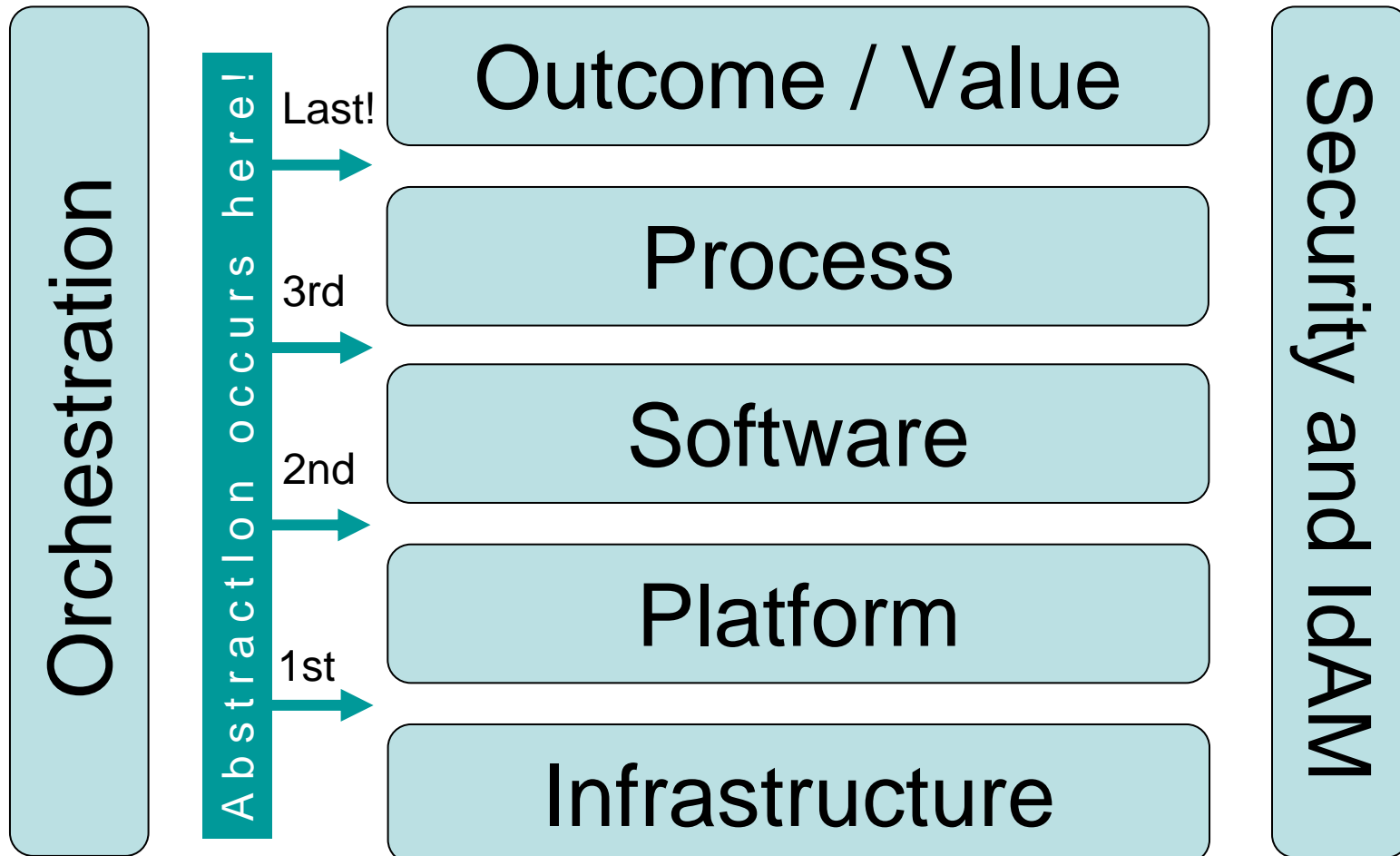
- <http://blogs.zdnet.com/Hinchcliffe/>
- http://dealarchitect.typepad.com/deal_architect/2006/08/the_bionic_ente.html

...and the Jericho Forum 2009 Focus:
Securely Collaborating in Clouds



Watch out for communications about the 2009 launch on the Jericho Forum Website

Discover the truth about Cloud Layers



That's the order we are doing it in, but is it the best?