Paradigm Shift

The changing security ground on which we stand

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Most of what we’ve been doing have become “table stakes”
If “No!” is Your Default

Red flag indicators of old paradigm

- Risk is “bad”; avoid risk
- “air-gap” is the best solution
- Crazy quilt security technologies
  - Micro focus on individual technologies
- Security is not the developer’s job
- Faith in “castle wall” network
- Lack of business participation
Interconnected
The Shift Has Occurred

Key drivers
- Social graph, “Social Media”
- Any device, any where
- Workforce and platform mobility
- Business eco-system:
  cross-connected with high dependence
- Cloud computing, “XaaS”,
  implies large scale multi-tenancy
- ...

Vendors continue to claim “security solved” via each point solution
Make it secure, Number One
Data container: the promise of Data Rights Management (DRM)

- Sorry, vendors; there are key pieces missing.
  - Cross-organizational identity
  - Cross-platform
  - Ubiquitous
  - Usability
Think, think, think...

“What to do, oh bear of little brain?”
Architect, architect, architect; apply a holistic approach

No panacea (yet!)

- Risk practice is foundational
- Controls move up the stack:
  - Identity & logical controls become a security boundary
  - Authorization is a “step” solution
- Virtualize “table stakes” isolation

Well understood controls applied in new ways
Point controls applied architecturally build defense in depth to the acceptable risk posture
Embrace It

The “trees” come together as the security “forest”

- Look beyond table stakes
- Start with organization goals
  - Help leaders clearly express the risk posture to which security builds
- Each control must be a part of an holistic architecture
- Multi-tenancy:
  - Up the stack
  - Virtualized control provisioning