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HUMAN
ELEMENT

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Nanotechnology, Behavior & Supply Chains: Managing Risk at a Platform Level



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Platform: plat·form /'platfôrm/

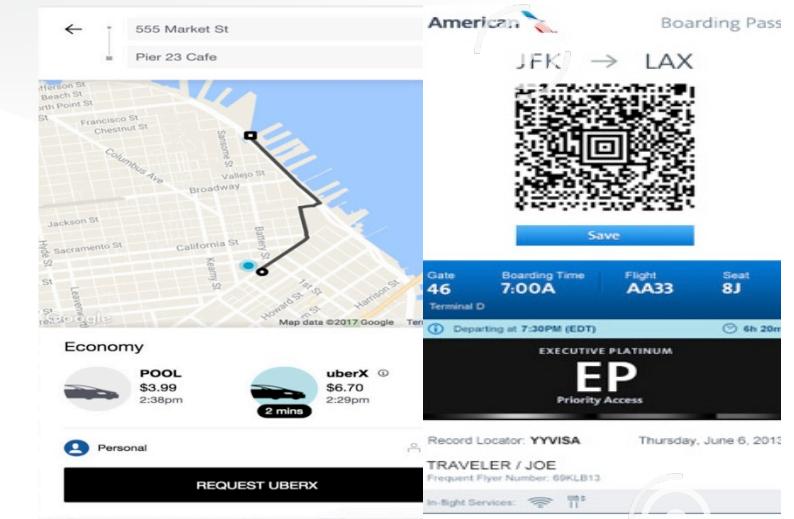
A group of technologies that are used as a base upon which other applications, processes or technologies are developed.

Managing Risk through the Platform Revolution



3

Platforms are Everywhere



Managing Risk Through the Platform Revolution

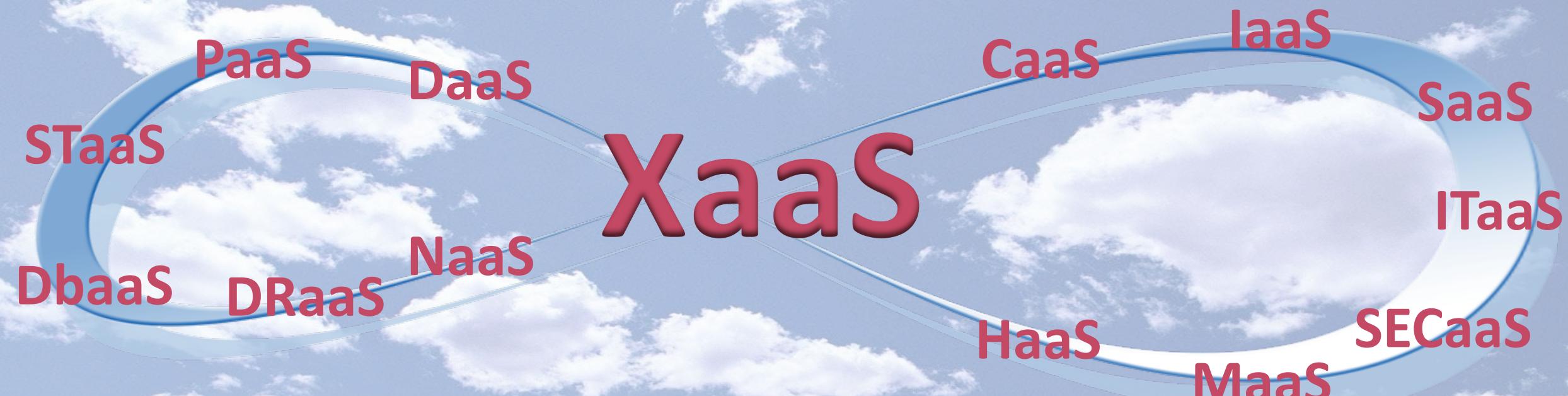


Unaccounted for Risk



Indicia of Trust
Closing Trust Gaps

Cloud is a Foundation for the Platform Revolution



Accountability Demands Verification



Check &
Verify



Technology &
Operations



Accountability &
Integrity

Accountability Requires Visibility



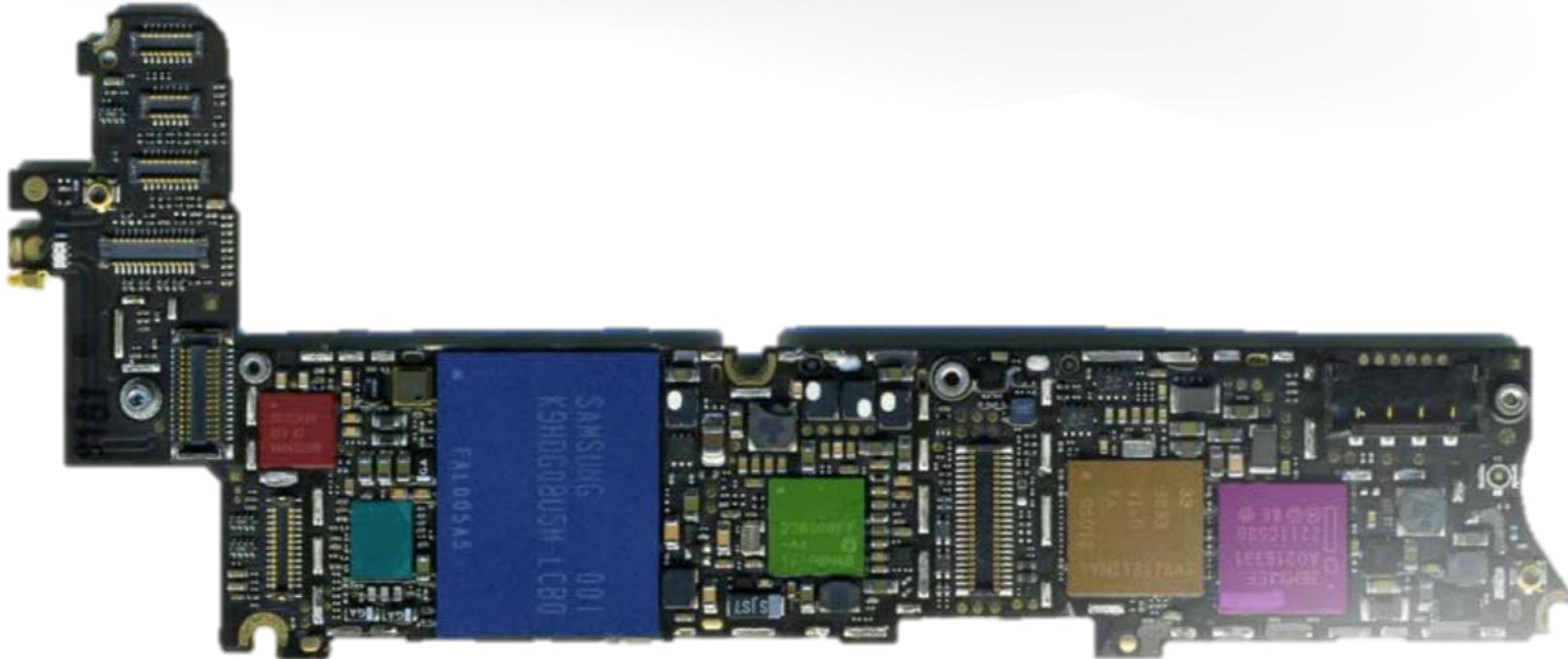
75% of companies have only 25% visibility into their own supply chain

*UPS

How Many Cows Are In a Burger?



How Many Sources Are In Your Hardware?



What is Lurking In the Shadows?



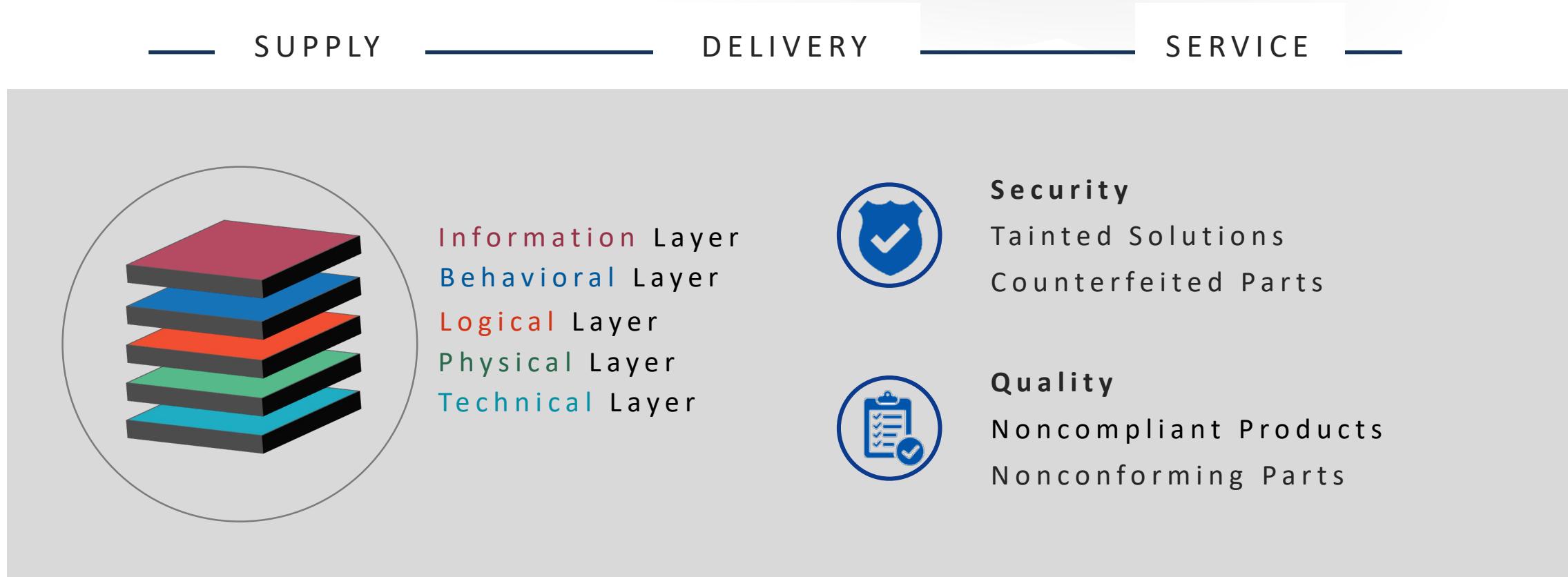


RUST

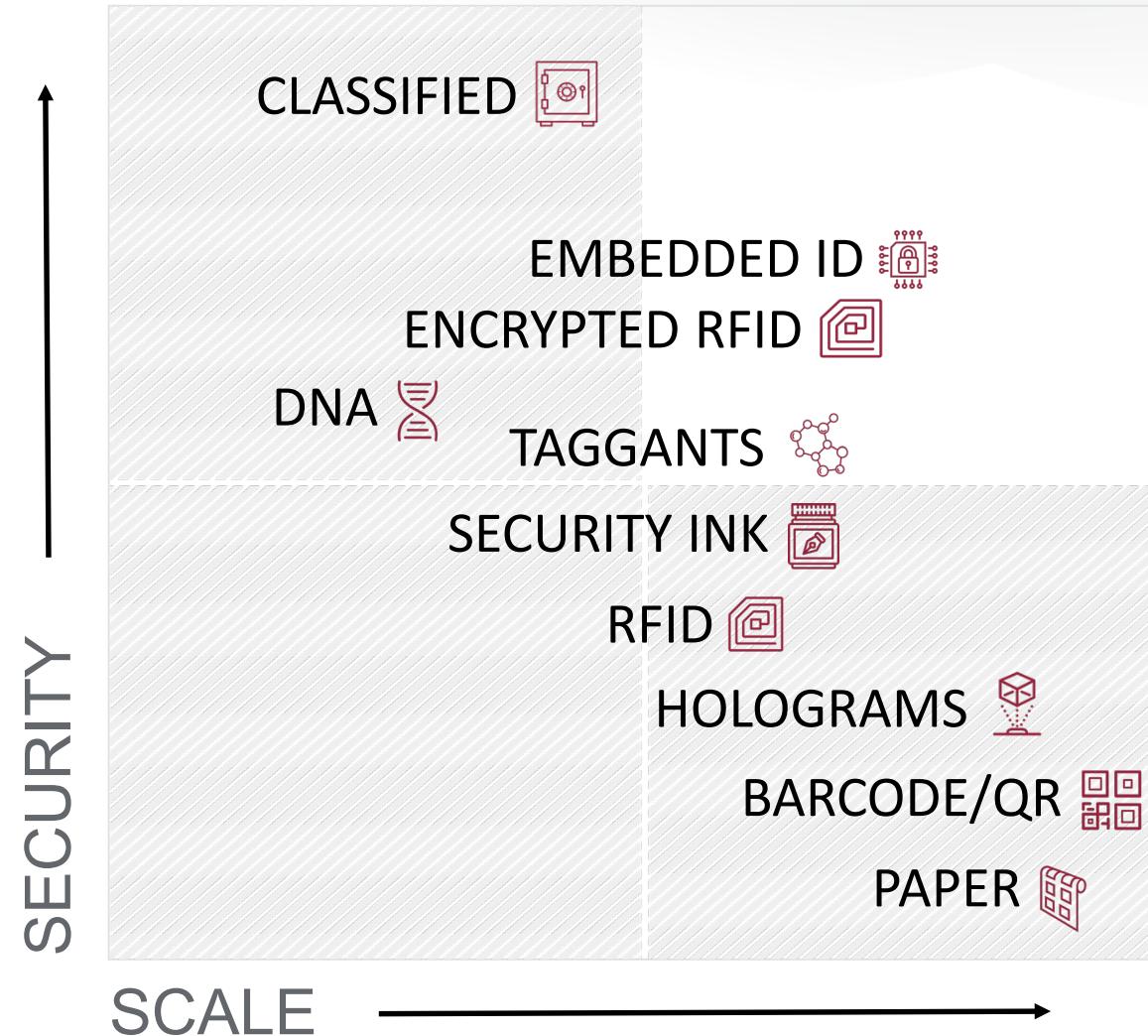
YOU CAN'T MANAGE
WHAT YOU CAN'T MEASURE

PETER DRUCKER

End-to-End Value Chain Security



Can Trust Scale?





Building TRUST

Human Accountability
Identity of Things

What will Identity Look Like in the Future?

- ✓ Single item serialization
- ✓ Down to component level
- ✓ Cradle to grave
- ✓ Secure by design



Achieve Accountability

Verifiable / Auditable

Immutable supply chain data

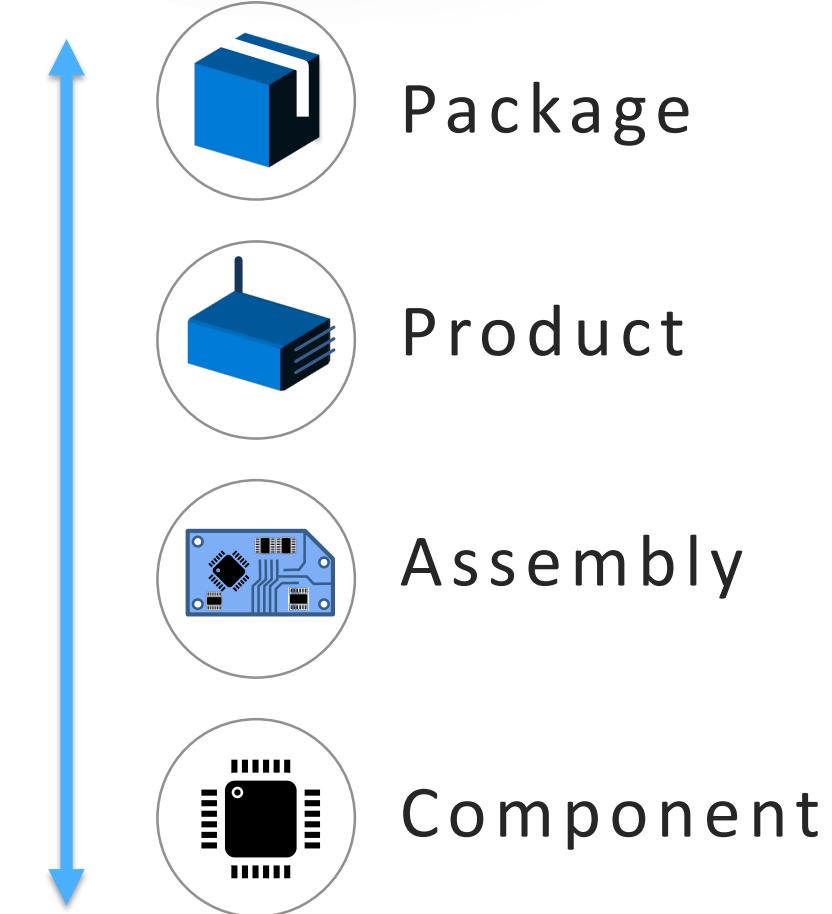
Incentivize positive behavior

Create human-centric policies

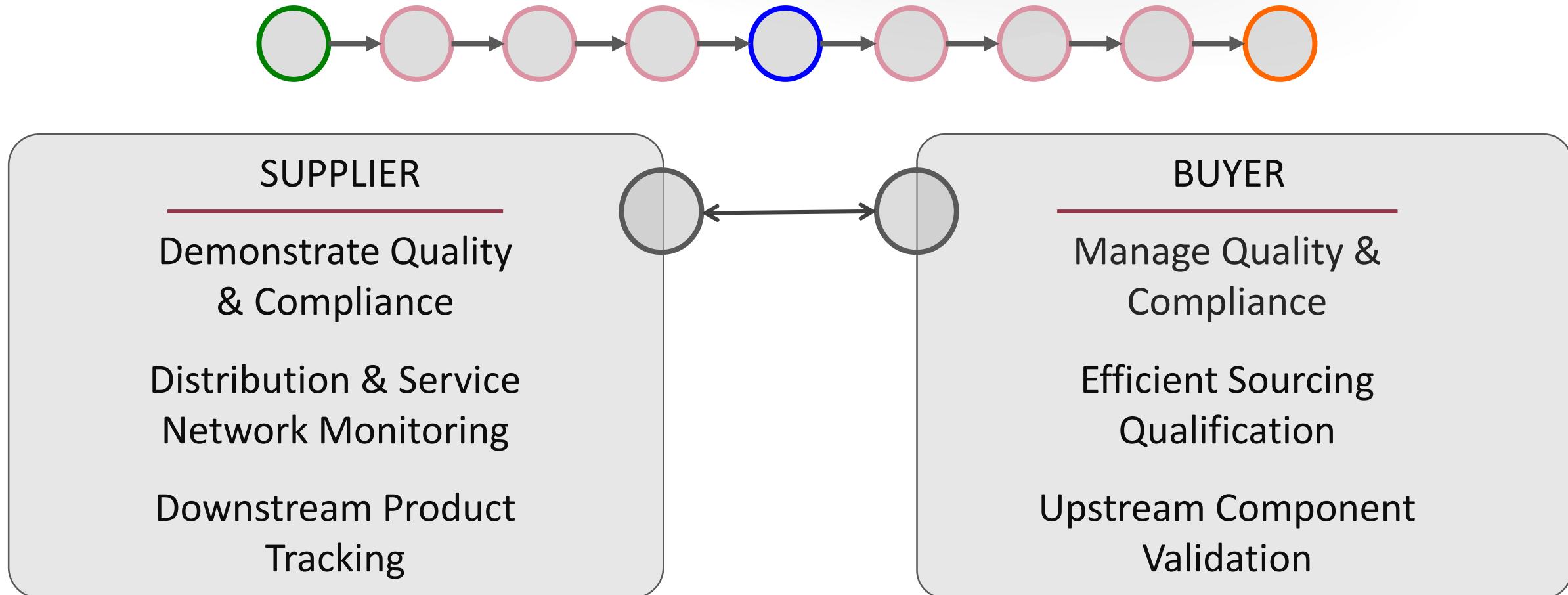


TRUST = the RIGHT Security @RIGHT Place @RIGHT Time

- End-to-end multi-tier unifying architecture
- Address needs & constraints of different stakeholders in the value chain
- Empower every node in the product lifecycle ecosystem
- Evolving & dynamic rollout



Take the Stakeholders' Perspective



Third Party Threats & Threat Impacts

Threats

Manipulation
Espionage
Disruption

Threat Impacts

Tainted HW
Counterfeit
IP Misuse

Information Security Breach

An Adaptable Security Architecture

Personnel Security

Third-Tier Partner Security

Security Engineering & Architecture

Physical & Environmental Security

Security Incident Management

Security in Manufacturing & Operations

Security in Service Management

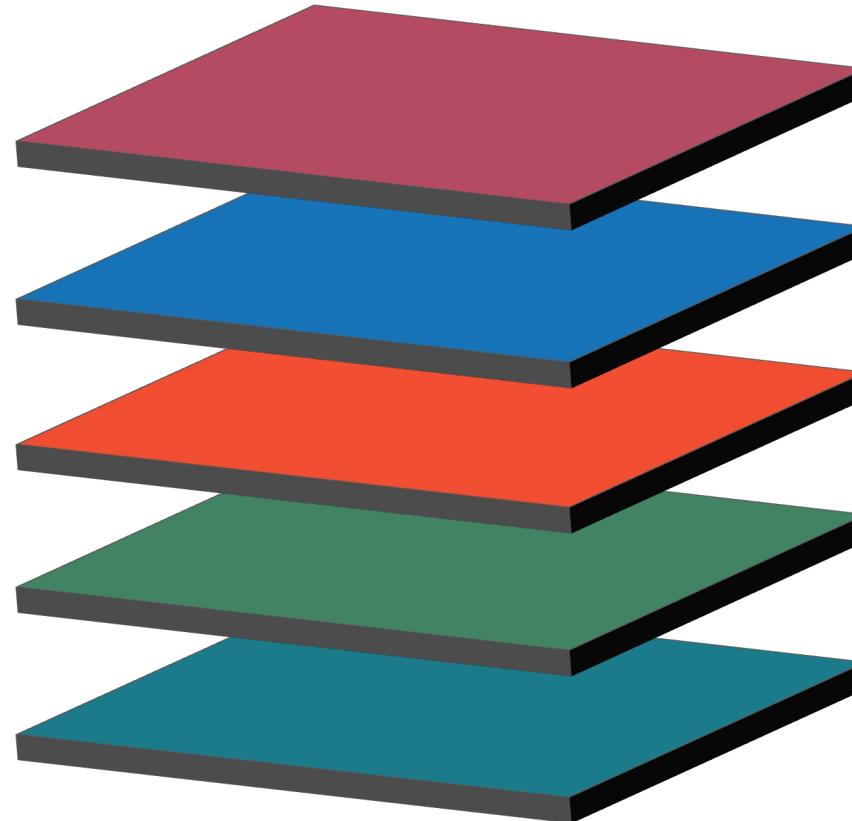
Security in Logistics & Storage

Information Protection

Asset Management

Security Governance

An Architectural Layered Approach



Information Security

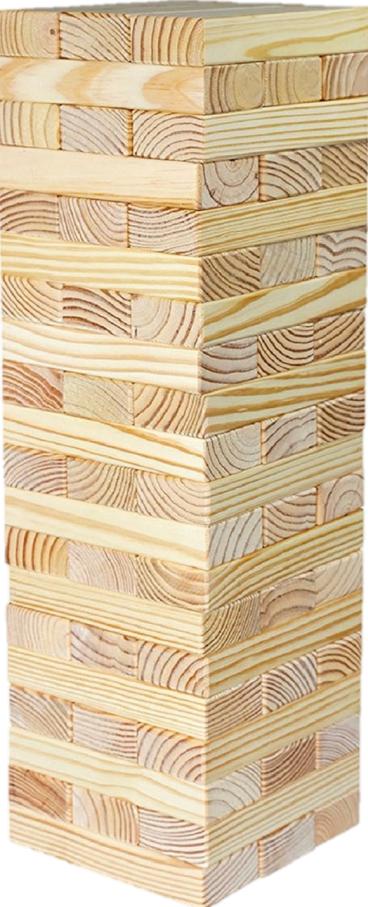
Behavioral Security

Technical Security

Physical Security

Logical Security

Steps to Manage Risk at the Platform Level



Apply what you have learned:

- ✓ Identify and list the **security assumptions** about your platforms
- ✓ Define the **security requirements** for your assets
- ✓ Seek a robust **thread of trust** across your platforms' value chains
- ✓ **Work together** with your 3rd party partners to deploy effective solutions to ensure that verifiable **TRUST** is achieved

A large, white iceberg floats in a clear blue ocean under a bright sky with scattered white clouds. The image is split horizontally, showing the massive, textured mass of the iceberg submerged below the surface on the left, and its smaller, visible portion above the surface on the right.

Transparency and Trust

RSA® Conference 2020

Thank you.

@Edna_Conway

@DUSTIdentity

The platform revolution triggered a tectonic shift in global supply chains. The proliferation of Service Platforms has raised a new specter of unaccounted risk: the third-party risk. Exactly who and what are in the value chains of our XAAService providers? The answer is often opaque. Recognized designer of architectures delivering value chain security and resilience, Edna Conway, CSO, Global Value Chain at Cisco, and disruptive innovator Ophir Gaathon, Ph.D, CEO, DUST Identity, Inc. join forces as co-presenters. Providing perspectives from the vantage point of an ICT industry leader with deep experience in developing and deploying third-party security, Conway will reflect on proven methodologies aimed at closing the trust gap by making visible the often “unaccounted risk.” Dr. Gaathon will discuss emerging capabilities, nanotechnology and strategies to effectively tackle the security of the global supply chains upon which our new digital platform economy relies through the lens of a start-up at the bleeding edge. The two will discuss how collaborative, layered approaches to security, empowered by new tools impact the positive and negative human behavior within the community that comprises this complex global trust gaps across our expanding third-party network? What foundational elements are essential for successful Value Chain Architectures? Can we, working together, raise the bar on security throughout each and every value chain member – and is the true answer to focus on impacting behavioral security? After all, the problem with security is not just complexity, but the people within our ecosystem. These presenters will posit that the solution lies in exactly the same place – with our people. They will debate if and how new tools can promote behavioral change while simultaneously driving the key ingredients essential to trust: accountability, transparency, and verifiable integrity.

Key Takeaways for Attendees:

1. Understand how the proliferation of Service Platforms has created third-party risk.
2. Learn the foundational elements that are essential for successful Value Chain Architectures.
3. Explore how new tools and methodologies can help close the trust gap in third-party ecosystems.