



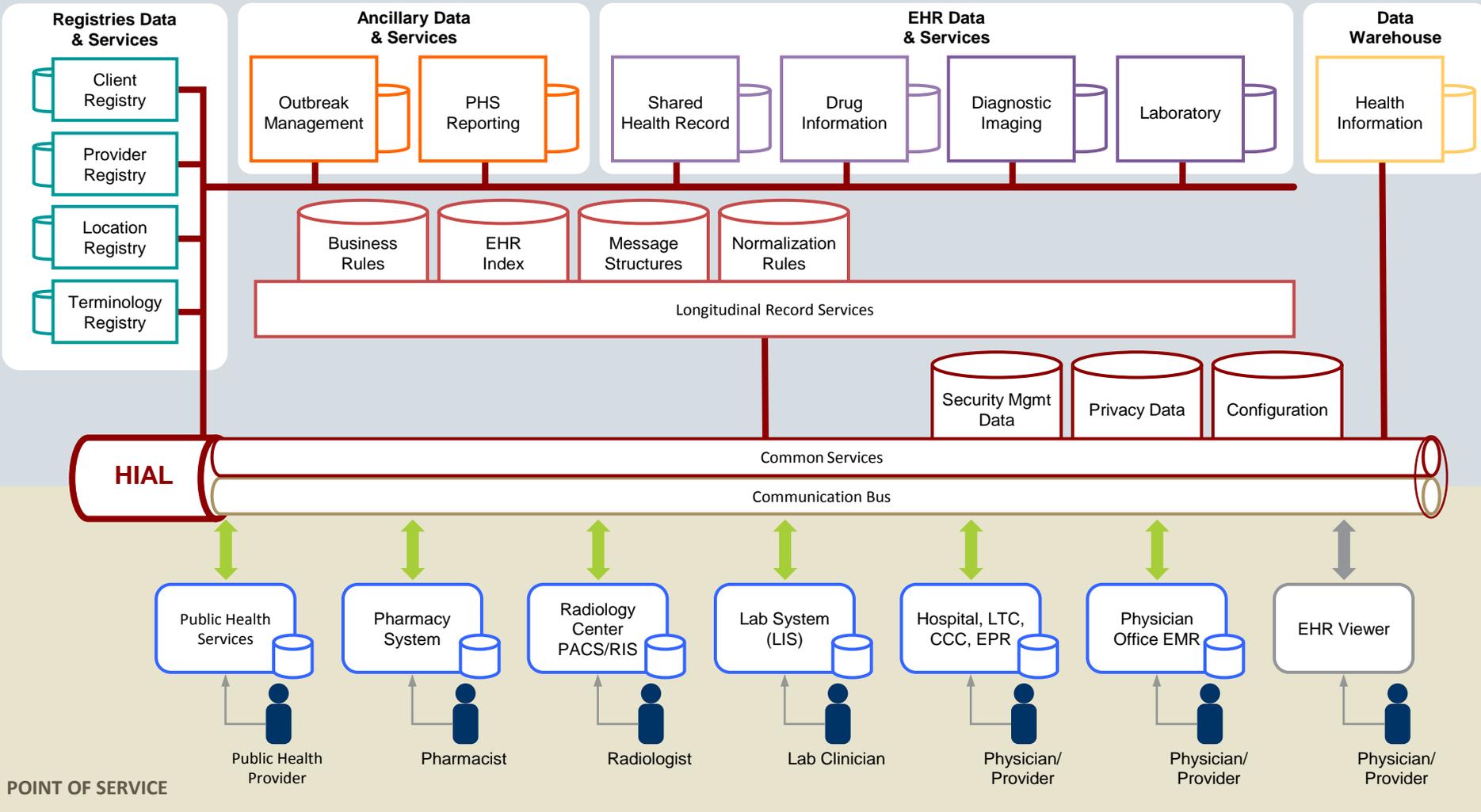
Simplifying Health Information Architecture

Ashok Chandavarkar

Asia Pacific Director - World Ahead Program

What I am not going to talk about

JURISDICTIONAL INFOSTRUCTURE



Salient Points

Need for

- Solution Blueprint - Interoperability
 - Informatics standards
 - Security across compute continuum
 - Service Oriented Architecture
 - Scalability - Cloud
 - Sustainable business model
-

Flexibility to include local priorities while adhering to solution blueprint



By 2015...

More Users



>1 Billion More
Netizen's¹

More Devices



>15 Billion
Connected Devices²

More Data



>1 Zetabyte
Internet Traffic³

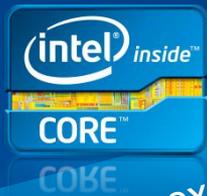
***"Just Works" - poses challenges in efficiency, security
and resource capabilities***

1. IDC "Server Workloads Forecast" 2009. 2. IDC "The Internet Reaches Late Adolescence" Dec 2009, extrapolation by Intel for 2015. 3. ECG "Worldwide Device Estimates Year 2020 - Intel One Smart Network Work" forecast. 3. Source:

extrapolated to 2015



Building a Continuum of Personal Computing Experiences



Consistent user experience

Seamless integrated experience

Security & Privacy



Desktops

Laptops

Netbooks

Tablets

Smartphones

Intelligent Systems



Cloud 2015 Vision

FEDERATED

Share data securely across public and private clouds



AUTOMATED

IT can focus more on innovation and less on management

CLIENT AWARE

Optimizing services based on device capability



Desktops

Laptops

Netbooks

Personal Devices

Smartphones

Smart TVs

Embedded

Open & Interoperable Solutions Essential



Open Data Center Architecture Requirements

Simplified

Simplify data center operations to reduce cables, complexity and cost

Unified network based on Ethernet

Efficient

Optimizing technologies to decrease energy, human and physical asset consumption

Not just component level

Compute, Storage
Network



Secure

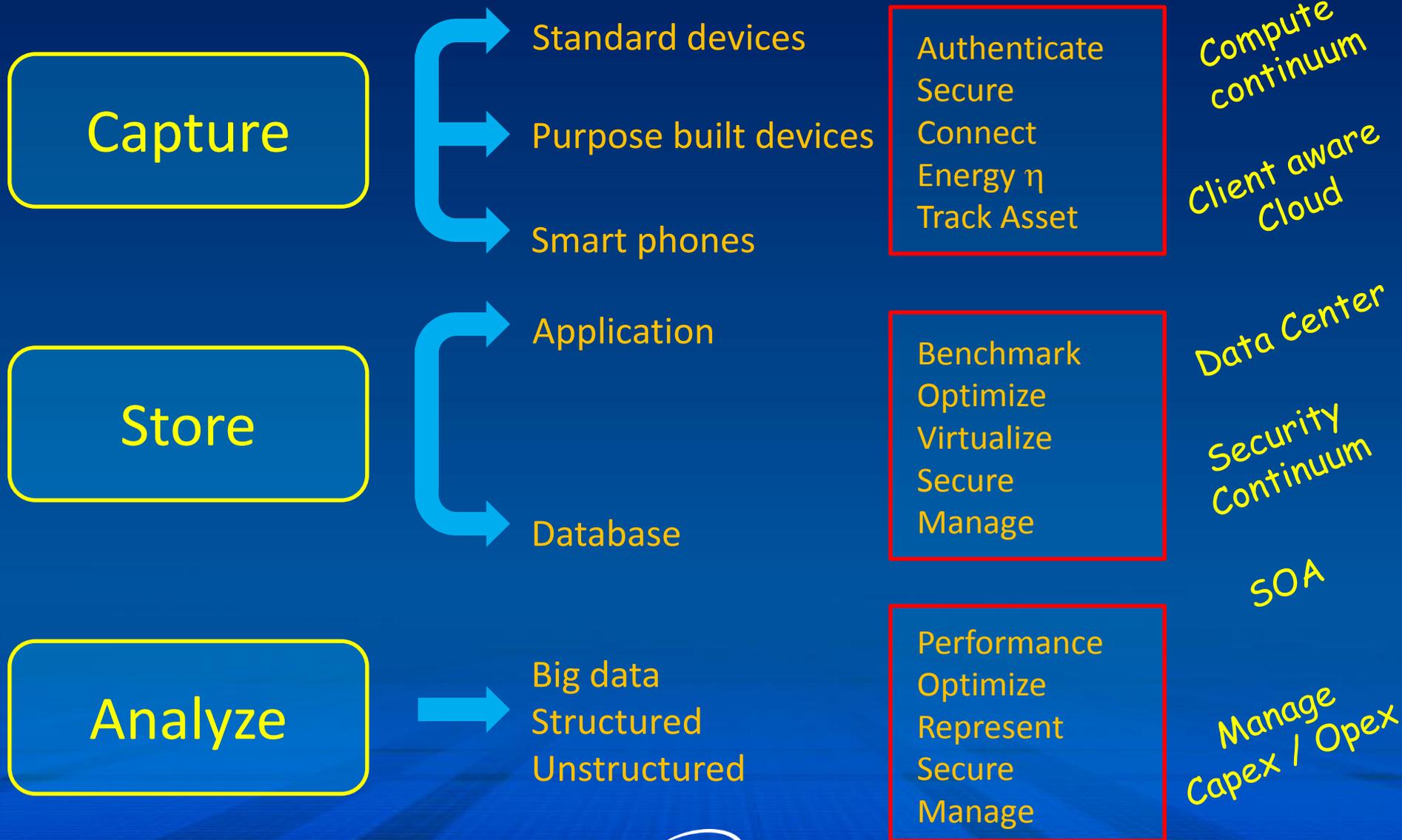
Reduce the risk, increase the compliance and manage hybrid usage models

Within data center &
On the network

Built on the foundation of openness - Interoperable, Flexible & Choice



Simplifying architecture



Summary

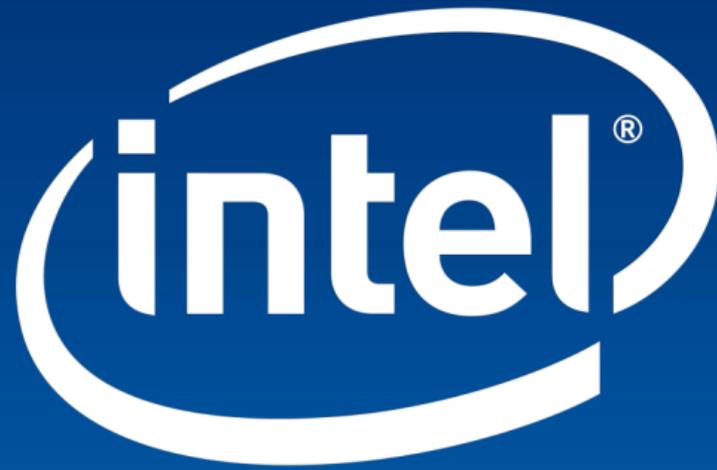
- Technology is but an enabler. User experience matters
- A holistic solution blueprint – a must, but start now
- Follow the principle of openness - Interoperable, Flexible & Choice
- Own the business model and not just CAPEX - TCO matters
- As we move towards compute continuum – Security is key



Intel's Vision

This decade we will create and extend computing technology to connect and enrich the lives of every person on earth





Delivering Computing Solutions

Services

McAfee

WIND RIVER



Intel® vPro™ Technology
Intel® Insider

Software



Intel® Software Network
Connect with developers and Intel engineers



Platforms



Infineon Wireless Solutions

Silicon



This page is not all-inclusive of Intel's offerings



Secure: Evolving Cloud Security

Isolate

Intel® VT & Intel® TXT

protects VM isolation and provides a more secure platform launch



Encrypt

Intel® AES-NI

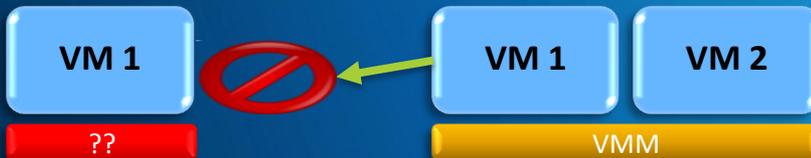
delivers built-in encryption acceleration for better data protection



Enforce

Intel® TXT

establishes “trusted” status to enable migration based on security policy



Connect

Intel® Expressway Cloud Access 360

SSO, provisioning, strong auth, audit for user access control to cloud



Establishing the Foundation for More Secure Clouds

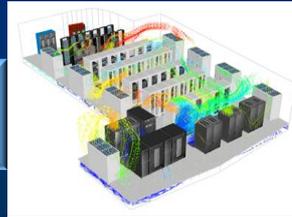
Efficient: Datacenter Efficiency Evolution

Optimize

Support Growth Efficiently

Operational Efficiency

IT & Facility Integration



Datacenter & Modular Design

Next generation design

Efficient IT Infrastructure

Power & Cooling Efficiency



Benefits

- ✓ Achieve PUE of 2.0 or less
- ✓ Reduce Opex savings of up to 20%
- ✓ Decrease 50% of time to server deployment
- ✓ Extend datacenter life by up to 5 years

Source: Gartner 2010

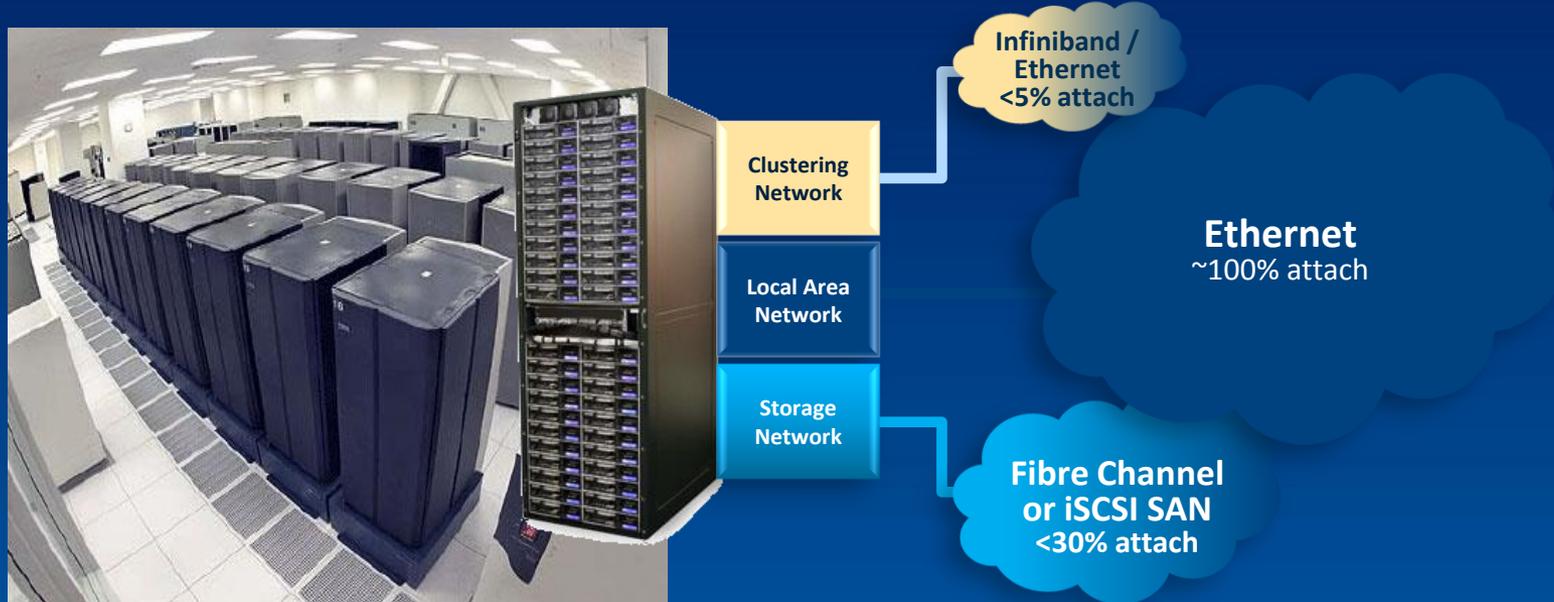


Intel® Node Manager and Data Center Manager foundation for efficiency



Simplify: Unified Networking

Today, Datacenters deploy multiple networks for different traffic types ...



Unified Network consolidates traffic on an 10G Ethernet Fabric



- ✓ Simplifies the network by migrating to 10GbE
- ✓ Lowers TCO by consolidating data and storage networks
- ✓ Flexible network is the foundation of Cloud architecture

