

# Agenda



- > New infrastructure products and services from Intel and Arrow Electronics
  - > A look at some key Data Center ingredients
  - > Intel® Data Center Blocks
  - > Value-added services from Arrow for the Intel portfolio



# DELIVER INDUSTRY-LEADING SOLUTIONS WITH INTEL® SERVER PRODUCTS AND ARROW SERVICES

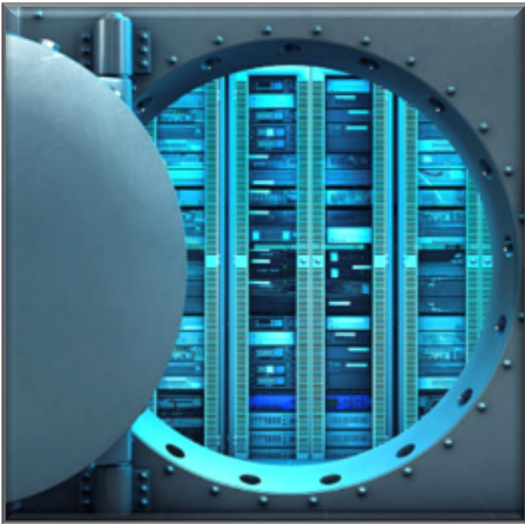
**Michael Willis**

Intel Business Development Manager  
Arrow Electronics



# Intel Data Center Systems Mission

**Deliver breakthrough Datacenter system innovation and differentiation by integrating Intel's SI portfolio in unique ways to create higher customer value**



Deliver highly differentiated systems & Intel® Technology TTM



Deliver breakthrough ROI via SI attach & new business opportunity



Lead the industry toward rack scale design adoption



Increase level of integration & unit of purchase

# Intel: Accelerating Data-Centric Transformation

The graphic is a dark blue rectangular panel divided into three vertical columns. The top of each column has a header in large, bold, light blue capital letters. The first column, 'MOVE FASTER', lists three Intel products with their logos. The second column, 'STORE MORE', lists three Intel products with their logos. The third column, 'PROCESS EVERYTHING', lists six Intel products, each with a small product image and its name. At the bottom of the panel, there are three horizontal sections: 'HARDWARE ENHANCED SECURITY' (left), 'SOFTWARE AND SYSTEM-LEVEL OPTIMIZED' (middle), and 'FASTER TIME TO VALUE' (right). The 'FASTER TIME TO VALUE' section includes the Intel Select Solution logo.

MOVE FASTER	STORE MORE	PROCESS EVERYTHING
<b>INTEL® ETHERNET</b>	<b>INTEL® OPTANE™ DC</b> PERSISTENT MEMORY	<b>INTEL® XEON® SCALABLE PROCESSORS</b>
<b>INTEL® SILICON PHOTONICS</b>	<b>INTEL® OPTANE™ DC</b> SOLID STATE DRIVE	<b>INTEL® XEON® D PROCESSORS</b>
<b>INTEL® OMNI-PATH FABRIC</b>	<b>INTEL® DC SERIES SSD</b> QLC 3D NAND DRIVE	<b>INTEL ATOM® C PROCESSORS</b>
		<b>INTEL® FPGAs</b>
		<b>INTEL® NERVANA™ NNP</b>
		<b>INTEL® MOVIDIUS™ TECHNOLOGY</b>

**HARDWARE ENHANCED SECURITY** | **SOFTWARE AND SYSTEM-LEVEL OPTIMIZED** | **FASTER TIME TO VALUE**

**intel select solution**

# Make the Connection with Intel® Ethernet



Intel® Ethernet 500 Series  
Network Adapters



Intel® Ethernet 700 Series  
Network Adapters

## Interoperability

Multiple speeds and media types for broad compatibility backed by extensive testing and validation

## Optimization

Intelligent offloads and accelerators to unlock network performance in servers with Intel® Xeon® processors

## Agility

Both Kernel and Data Plane Development Kit (DPDK) drivers for scalable packet processing

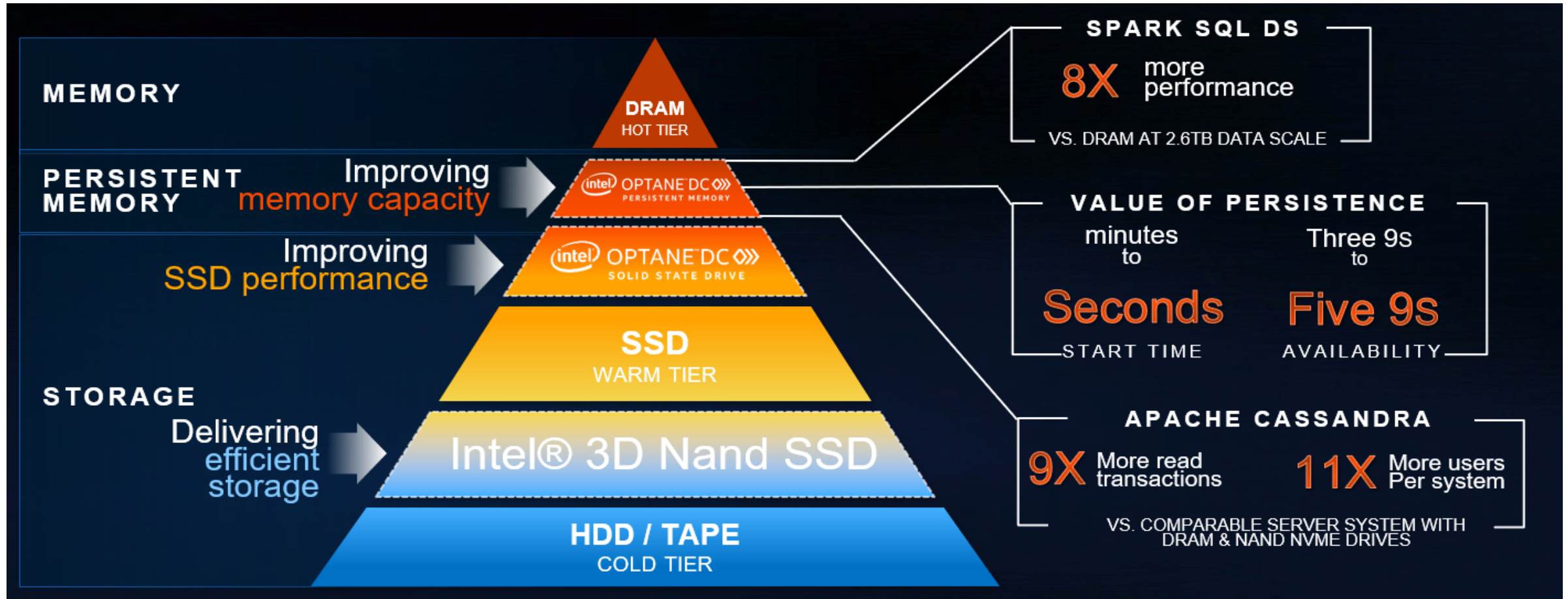
Continuous Innovation  
for more than 35 years

Number of Intel® Ethernet  
Ports shipped Since 1982

1,300,000,000





# Re-Architecting the Memory / Storage Hierarchy




# Second Generation Intel® Xeon® Scalable Processors


## Performance to propel insights

**INTEL® XEON® PLATINUM 9200 PROCESSORS**

**INTEL® XEON® PLATINUM 8200 PROCESSORS**

**INTEL® XEON® GOLD 6200 & 5200 PROCESSORS**

**INTEL® XEON® SILVER 4200 PROCESSORS**

**INTEL® XEON® BRONZE 3200 PROCESSORS**

**New**


**UP TO 3.50X**  
5-YEAR REFRESH  
PERFORMANCE IMPROVEMENT <sup>4</sup>  
VM DENSITY COMPARED TO  
INTEL® XEON® E5-2600 V2 PROCESSOR


**UP TO 1.33X**  
AVERAGE  
PERFORMANCE IMPROVEMENT <sup>5</sup>  
COMPARED TO INTEL® XEON®  
GOLD 5100 PROCESSOR

**UP TO 14X**  
AI PERFORMANCE WITH  
INTEL® DL BOOST <sup>6</sup>  
COMPARED TO INTEL® XEON® PLATINUM  
8180 PROCESSORS (JULY 2017)

**UP TO 3.1X**  
BETTER PERFORMANCE  
THAN AMD EPYC 7601 <sup>7</sup>  
COMPARED TO INTEL® XEON® PLATINUM 8282  
PROCESSOR RUNNING LINPACK

**MITIGATIONS FOR  
SIDE-CHANNEL  
METHODS**

**ENCRYPTION +  
ACCELERATORS**

**INTEL®  
SECURITY  
LIBRARIES**

**INTEL®  
DEEP  
LEARNING  
BOOST**

**INTEL®  
SPEED SELECT  
TECHNOLOGY**

**INTEL®  
INFRASTRUCTURE  
MANAGEMENT  
TECHNOLOGIES**

**BUSINESS RESILIENCE WITH HARDWARE-ENHANCED SECURITY**

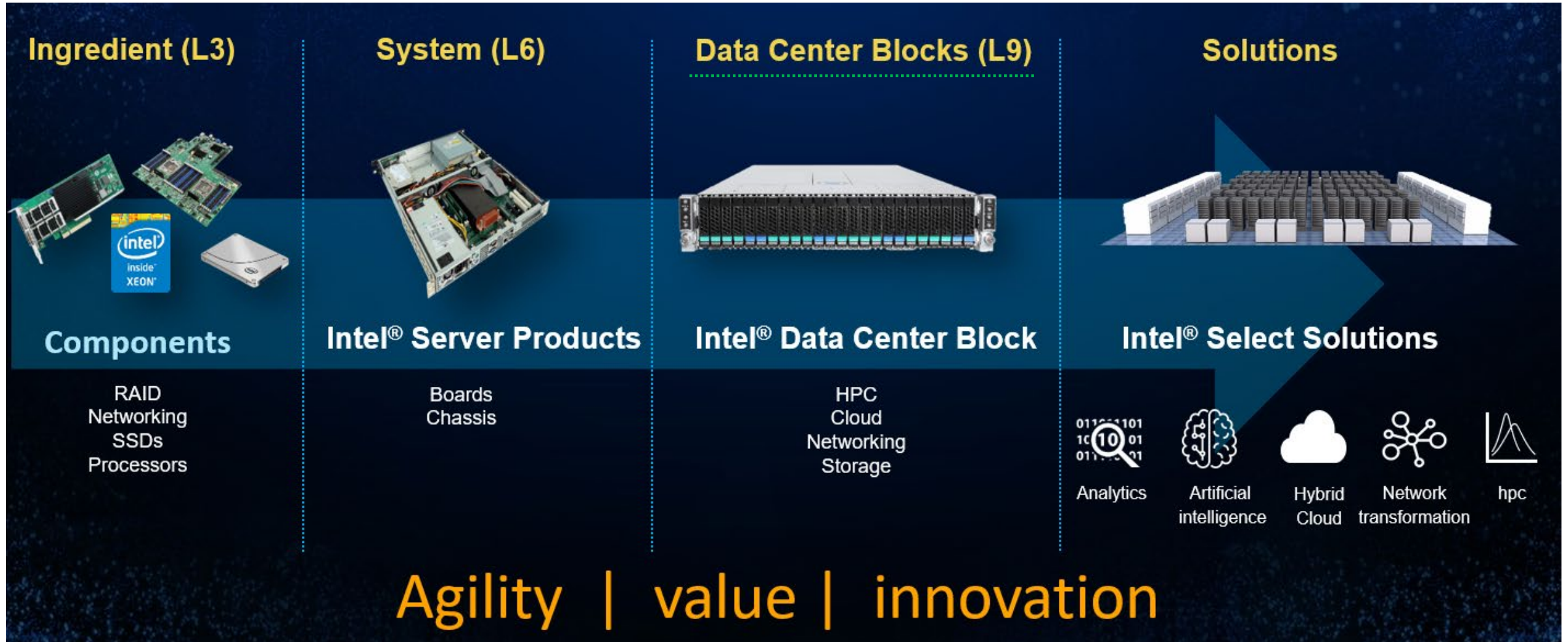
**AGILE SERVICE DELIVERY WITH ENHANCED EFFICIENCY**

Intel® Speed Select Technology is available on select processors.

Performance results are based on testing as of dates shown in configuration and may not reflect all publicly available security updates. Configurations and benchmark details can be found on slide/page 50 and 51. No product or component can be absolutely secure. Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit [www.intel.com/benchmarks](http://www.intel.com/benchmarks).



# Systems Build a Foundation for Quicker Time to Market





# Intel® Data Center Blocks



## New Market Opportunity

- > Strong growth in new market segment – SDI
- > Pre-validated/certified systems



## Speed Time to Market

- > Pre-integrated systems with latest Intel components
- > Solution ready approach



## Drive Innovation

- > Help you focus on solution and differentiation
- > Help your customers accelerate the IT transformation



## Intel Quality & Reliability

- > Proven Intel quality, reliability and value
- > Intel warranty and technical support

<https://www.arrow.com/arrow-services>

# Focus on Your Core Competency with Arrow & Intel® L9 Servers

**Reduce complexity when deploying scalable modern infrastructure with Intel's latest generation architectures and Arrow's world-class services, tailored to fit your needs and budget.**

To ensure business continuity, Arrow offers:

- > Global 24x7 support
- > On-site repair services
- > Customizable services

As a globally recognized leader in full technology lifecycle services and products, Arrow can save you time and money, from deployment to decommission.

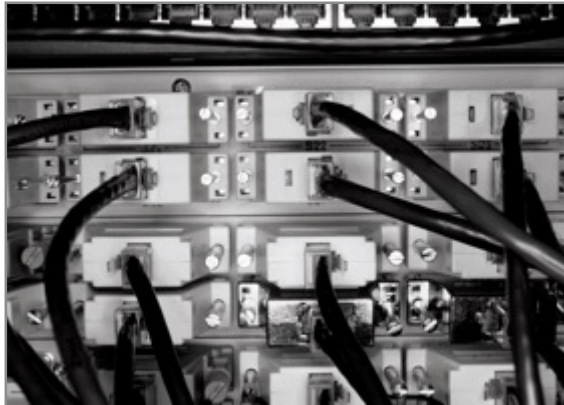


# Intel L9 Server Support Services

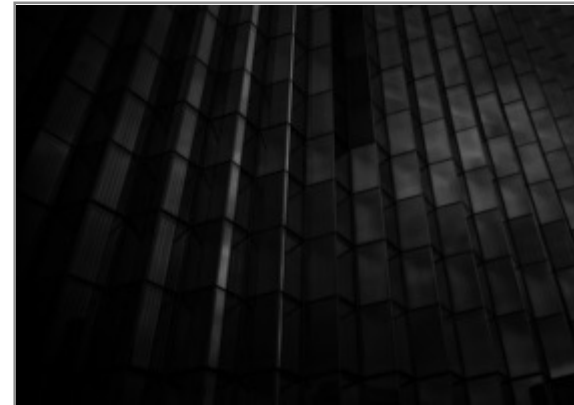
**We can help you...**



**Implement**



**Maintain**



**Repair**

**...scalable infrastructure, all without disruption  
to your business**

# When you Purchase an Intel L9 Server with Arrow Services, you'll Receive:

## ON-SITE REPAIR

01

- > Next-day repair and parts installation by Arrow engineers
- > Transportation arranged for faulty parts
- > Exchange faulty equipment

## ARROW SERVICE PORTAL

02

- > 24x7x365 remote support
- > Multiple languages serving a global audience

## ARROW PREMIUM HARDWARE SUPPORT

03

- > Log issues remotely
- > Receive troubleshooting assistance
- > Exchange faulty hardware with new equipment and new licenses

## RETURNS MANAGEMENT

04

- > Easily return determined faulty equipment
- > Secure data wiping, when applicable

## CONFIGURE-TO-ORDER

05

- > CTO servers from Intel
- > Customized solutions from Arrow





**Contact Michael Willis for more information on the Intel L9 Server Portfolio  
or Arrow Services**

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