BETTER TOGETHER IN THE CLOUD

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No computer system can be absolutely secure.

Intel® Advanced Vector Extensions (Intel® AVX)* provides higher throughput to certain processor operations. Due to varying processor power characteristics, utilizing AVX instructions may cause a) some parts to operate at less than the rated frequency and b) some parts with Intel® Turbo Boost Technology 2.0 to not achieve any or maximum turbo frequencies. Performance varies depending on hardware, software, and system configuration and you can learn more at http://www.intel.com/go/turbo.

Intel processors of the same SKU may vary in frequency or power as a result of natural variability in the production process.

LET'S TALK ABOUT...

State of the Cloud Service Provider Market in Germany

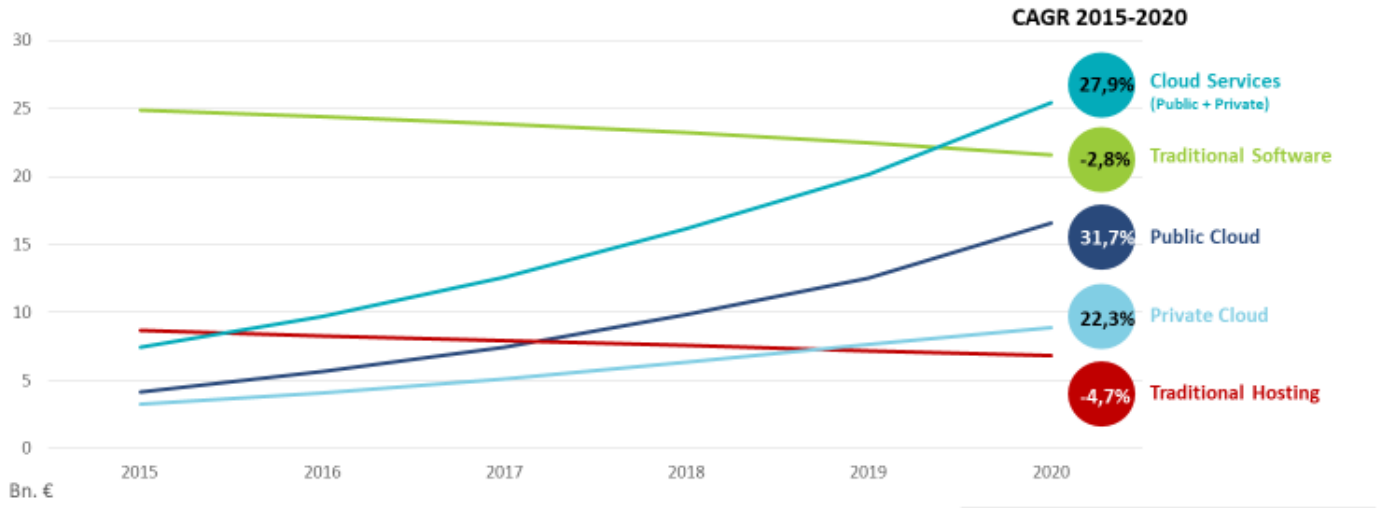
Addressing the Long Tail

Pre-integrated and Pre-Configured Cloud Solution Blocks

GERMAN CLOUD SERVICES MARKET ACCELERATING

B2B Cloud Spendings Germany 2015-2020

Der gesamte Markt wird mehr und mehr zum „XaaS-Markt“



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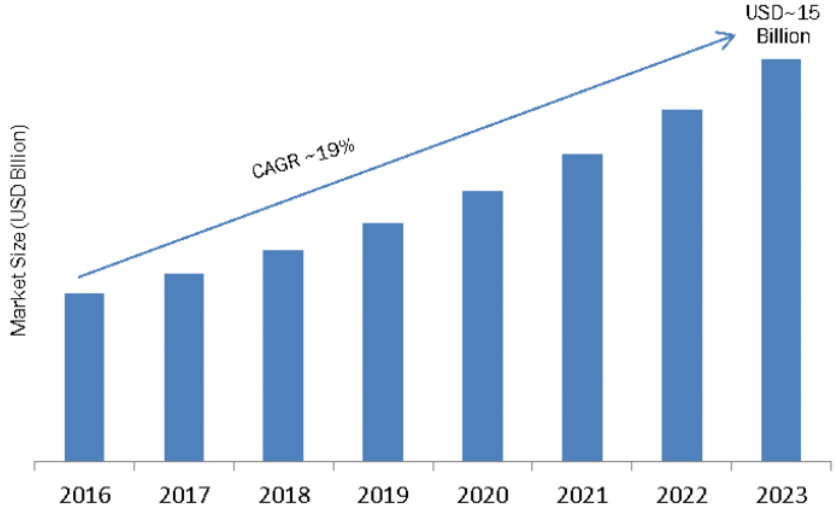
Source: ISG News Dach, 2018-01-31,
http://research.isg-one.de/research/ict-news-dach/news/cloud-computing-waechst-weiter-stark-in-deutschland-stellt-aber-auch-anforderungen.html

WHITE BOX SERVERS – THE METHOD OF CHOICE?

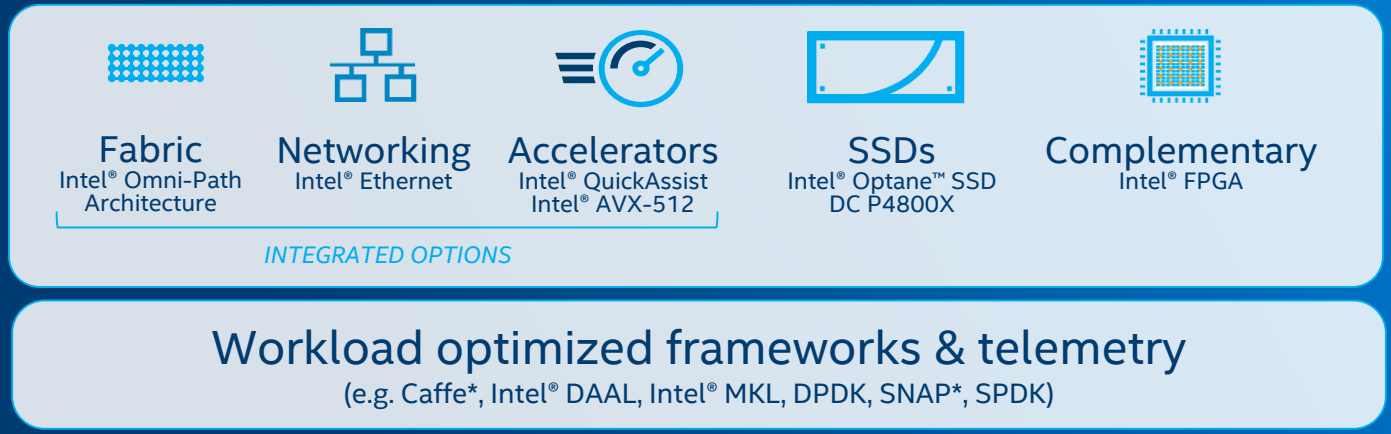


Source: http://www.crossroadstoday.com/story/37537178/white-box-server-market-2018-receives-a-rapid-boost-in-economy-due-to-industry-segmentation-major-key-investors-opportunities-and-growth-forecast

Source: North America Server, Storage and Enterprise Networking Channels 2014-2018 Forecast: Direct Versus Indirect IT Spending, IDC

http://www.computerweekly.com/news/450413971/White-boxes-set-to-shift-server-buying-habits

A GLIMPSE INSIDE THE INTEL® XEON® SCALABLE PLATFORM



PERFORMANCE

SECURITY

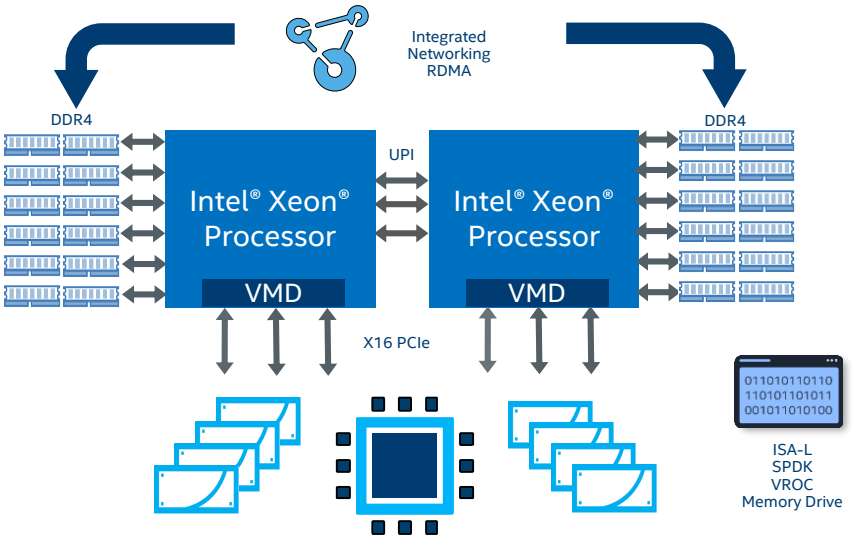
AGILITY

ADVANCING VIRTUALLY EVERY ASPECT: BRAND NEW CORE, CACHE, ON-DIE INTERCONNECTS, MEMORY CONTROLLER & MORE

Intel® Advanced Vector Extensions 512 (Intel® AVX-512)
Intel® Math Kernel Library (Intel® MKL)
Intel® Volume Management Device (Intel® VMD)
Storage Performance Development Kit (SPDK)
Intel® Data Analytics Acceleration Library (Intel® DAAL)
Data Plane Development Kit (DPDK)
Intel® Resource Director Technology (Intel® RDT)

INTEL® XEON® SCALABLE PROCESSOR:

Platform Designed for Data Storage Workloads



Integrated FPGA
Intel® QuickAssist Technology
Integrated Intel® Omni-Path Fabric
Intel® Volume Management Device
IO (PCIe/SATA/USB)
Intel® Management & Innovation Engine
Intel® Integrated 4x10Gb Ethernet
Intel® Optane and 3D NAND SSDs
Intel® Storage Acceleration Library (ISA-L)
Intel® Storage Performance Development Kit
Intel® Virtual RAID on CPU
Intel® Memory Drive Technology

SPEEDING UP CLOUD INNOVATION

Through Your **OEM of Choice**

intel® select solution

Faster. Easier. Optimized.

Intel® Select Solution configurations and benchmark results are

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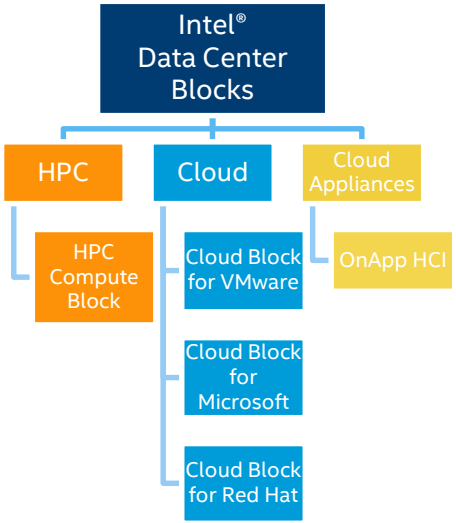
From **Intel®-authorized Distribution**



Reduce Complexity

Increase Value

Drive Innovation

SPEEDING UP CLOUD INNOVATION

Through Your **OEM of Choice**

intel® select solution

Faster. Easier. Optimized.

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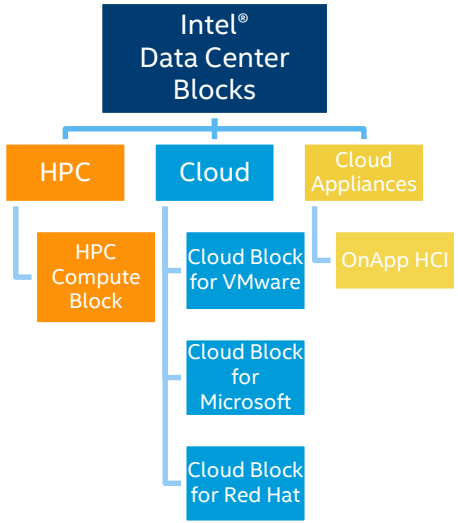


Reduce Complexity

Increase Value

Drive Innovation

ONAPP* + INTEL® HYBRID CLOUD

- **OnApp software + Intel® Hardware appliance**
  - Single pane of glass for compute/network/storage
  - Time-to-Cloud: hours not weeks
  - Highly competitive price point
  - Robust feature set, including Software Defined Storage
  - White label capabilities (customization)
- **True Multi-Hypervisor/Multi-Cloud Platform**
- **Full range of software functions for Enterprises, SMB and MSPs**
- **Powers some of the world's largest service providers and enterprises**

https://youtu.be/_AeuedKig4c

https://www.intel.com/content/dam/www/public/us/en/documents/sales-guide/intel-onapp-hyperconverged-infrastructure.pdf

INTEL® VMWARE* VSAN READY NODE

2U, Single Node

Intel® Server System R2208WF0ZS

2U, 4 Nodes

Intel® Server Board S2600BPS with Intel® Server Chassis H2224XXLR3

- All-Flash and Hybrid variants
- Single-node and four-node sled chassis options

Mission Critical Applications

Robust data protection, high availability and performance.

Virtual Desktops

Predictable scaling on cost-effective infrastructure.

IT Operations

Streamline operations with high levels of automation.

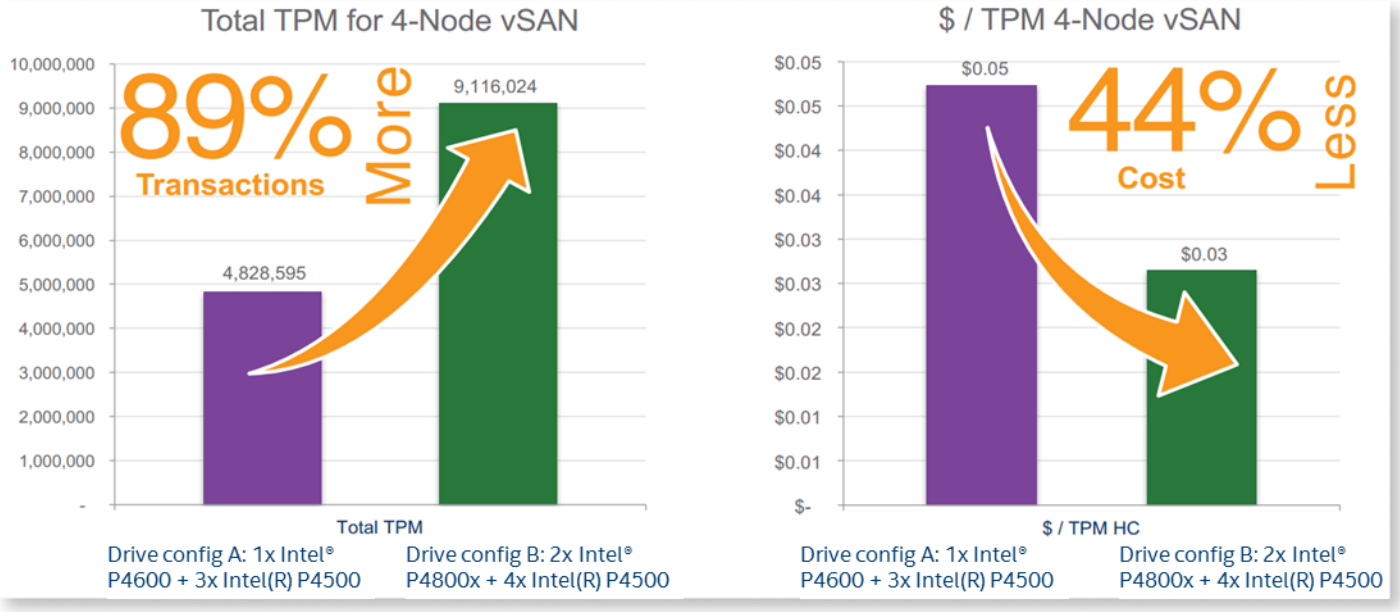
Remote IT

Powerful, simplified storage for limited IT staffs without specialized expertise.

https://www.intelserveredge.com/intel-cloud-block-vsan/

TECHNOLOGY DRIVING INFRASTRUCTURE PERFORMANCE:

Intel Optane™ Technologies as caching tier for vSAN



Benchmark results were obtained prior to implementation of recent software patches and firmware updates intended to address exploits referred to as "Spectre" and Meltdown". Implementation of these updates may make these results inapplicable to your device or system.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors.

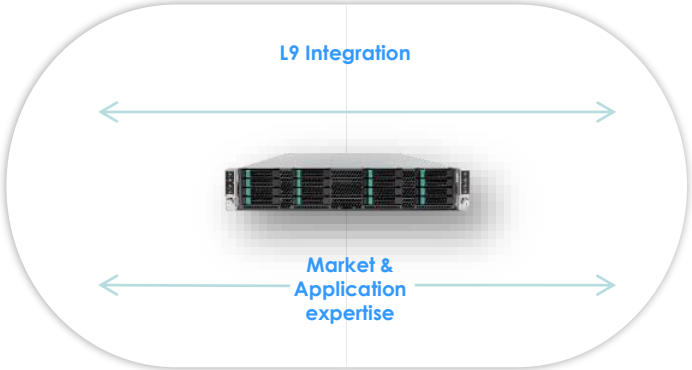
Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit www.intel.com/benchmarks.

Configurations: Intel Server System R2208WF, with 4 U.2 NVMe accessible slots, 2 x Intel Xeon® 8168 CPU, 256 GB DRAM, priced for comparison at 768 GB DRAM, onboard 10 GbE X-540 AT2

drive configuration "A" (1x P4600 + 3x P4500 - no Deduplication); drive configuration "B" (2x P4800X+ 4x P4500 - no Deduplication; Tests peformed by Evaluator Group, Nov 2017

OUR OFFERING FOR LOCAL CLOUD SERVICE PROVIDERS

- Intel® Data Center Blocks for Cloud via Intel-authorized local distribution
- Strong technology roadmap
- Designed for best-in-class cloud software
- Local support coverage



onapp
MIRANTIS
vmware
ZERO STACK
Microsoft
redhat. LINUX
openstack

L9 Integration | CTO Tool | Software optimised solutions | Strong road MAP, Xeon®, PCSD, SSD/NVME/Optane™, Omni-Path | Great TTM readiness

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Accumulate points and redeem them for Intel® technology, business travel, demonstration units and more.

GET TRAINED

Get trained and acquire a competitive edge

MARKET WITH INTEL

Elevate your Marketing with a rich library of assets and resources

Your Solutions.
Our Technology.
Smarter Together.

A global Intel program for partners that resell or recommend Intel® technology

SUMMARY

A strong cloud and hosting service provider mid market in Germany requires adapted offerings.

Intel enables infrastructure innovation through pre-integrated products and choice of procurement options.

Come see the Intel® Xeon® Scalable Processor and Intel® Data Center Blocks at our booth D01!

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experience
what's inside™