

25 August, 2022



High performance computing with AWS and Intel

Akanksha Balani

AWS APJ Alliance head @ Intel Global AI GTM Lead



Agenda

- Tech Today
- Why Intel & AWS
- Workloads, Verticals and Solutions
- Learn | Engage | Innovate



Transformation with Cloud

















Industrial



Consumer

Smart Assistants
Chatbots
Search
Personalization
Augmented
Reality
Robots

Health

Enhanced
Diagnostics
Drug
Discovery
Patient Care
Research
Sensory
Aids

Finance

Algorithmic
Trading
Fraud Detection
Research
Personal
Finance
Risk Mitigation

Retail

Support
Experience
Marketing
Merchandising
Loyalty
Supply Chain
Security

Government

Defense
Data
Insights
Safety &
Security
Resident
Engagement
Smarter

Cities

Energy

Oil & Gas
Exploration
Smart
Grid
Operational
Improvement
Conservation

Transport

Autonomous

Cars

Automated

Trucking

Aerospace

Shipping

Search & Rescue

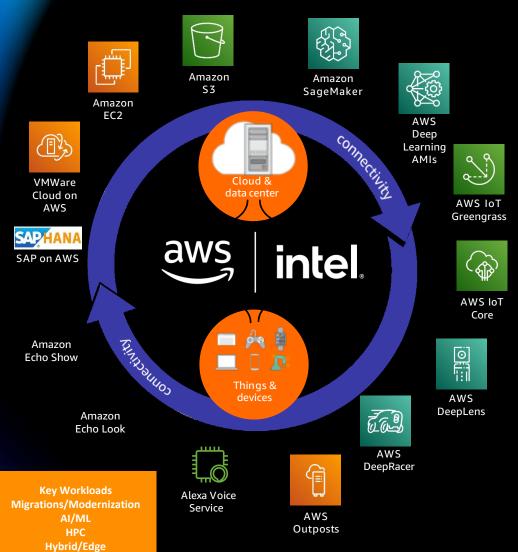
Factory
Automation
Predictive
Maintenance
Precision
Agriculture
Field
Automation

Other

Advertising
Education
Gaming
Professional &
IT Services
Telco/Media
Sports



What does Intel do with AWS?



Intel is a very deep partner of

AWS and will be for a long
time. That's not changing.

Andy Jassy, CEO, AWS

COMMONHISTORY AND VALUES

17 years of engineering partnership

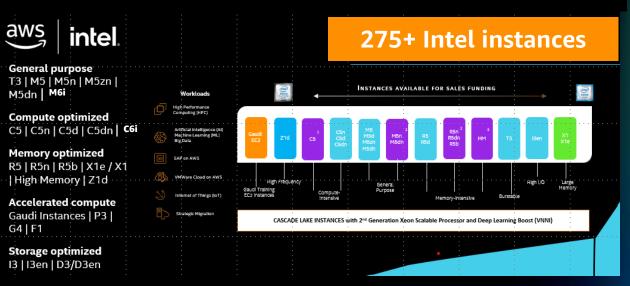
Digital transformation

Shared customer passion

High performance + low costs

World-class supply chain

Greatest variety and availability to meet your global workload needs





Highlights of the past year

Career Launcher Rapidly Scales Learning Portal during Pandemic

Intel & AWS collaborate to help serve >160,000 students in India within two months on AWS.¹

65x more parallel wildfire simulations

Intel & AWS work with RONIN to help increase fire fighting effectiveness in Australia. ⁴





AWS ParallelCluster

AWS as first CSP with verified Intel Select Solution ²

Amazon EC2 M5zn instance – fastest Intel Xeon Scalable CPU in the Cloud ⁵

Highest all-core turbo CPU performance with a frequency up to 4.5 GHz.

AWS announces DL1, M6i, C6i, DL1

Al instances with 40% better price/performance built on Habana Gaudi ³ Intel's Habana & AWS coengineered solution using up to 8 Gaudi accelerators



^[5] https://aws.amazon.com/blogs/aws/new-ec2-m5zn-instances-fastest-intel-xeon-scalable-cpu-in-the-cloud/





^[1] https://www.intel.com/content/www/us/en/customer-spotlight/stories/career-launcher-customer-story.html

^[2] https://docs.aws.amazon.com/parallelcluster/latest/ug/intel-select-solutions.html

^[3] https://aws.amazon.com/ec2/instance-types/habana-gaudi/

^[4] https://dpgresources.intel.com/asset-library/intel-aws-the-csiro-spark-intel-poc-summary/

Instance Types on Intel

275+ Intel instances

General Purpose

General purpose instances provide a balance of compute, memory and networking resources, and can be used for a variety of diverse workloads.

Compute Optimized

Compute optimized instances are ideal for compute bound applications that benefit from high performance processors.

Accelerated computing instances use hardware accelerators, or coprocessors, to perform functions more efficiently.

Storage Optimized

Storage optimized instances are designed for workloads that require high, sequential read and write access to very large data sets on local storage.

Habana Gaudi

Ice Lake

Cascade Lake

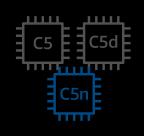
Skylake & Cascade Lake

Skylake

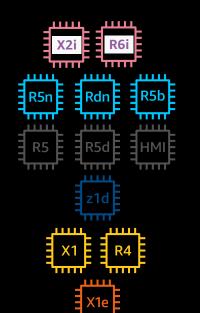
Broadwell

Haswell









Memory optimized

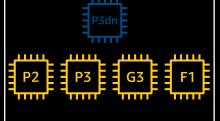
instances are designed to

deliver fast performance for

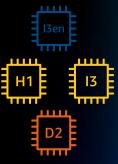
workloads that process

large data sets in memory.











AWS EC2 instance offerings - optimized by use case

Not exhaustive – focused on newer instances

Balanced workloads



General Purpose

M6i (NEW)
Up to 128 vCPUs & 512 GB of memory - ICX

M5

Non-burstable CPU usage SKX/CLX – 24C

M5d

M5 with local host attached NVMe SSDs SKX/CLX – 24C

M5zn

M5 with local host attached NVMe SSDs SKX/CLX – 24C

T3

Burstable CPU usage SKX/CLX – 24C Compute-intensive, HPC, data lakes, network appliances



Compute Optimized

C6i (NEW)
Up to 128 vCPUs & 256 GiB of memory – ICX

C5

High performance \$/performance optimized SKX – 18C CLX – 24C

C5d

C5 with local host attached NVMe SSDs SKX – 18C CLX – 24C

C5n

C5 with up to 100 Gbps network bandwidth SKX – 18C High performance databases, in-memory databases



Memory Optimized

X2i(NEW)

Memory-optimized & up to 4,096 GiB of memory- ICX&CLX

R6i (NEW)

Up to 128 vCPUs & 1,024 GiB of memory – ICX

R5, R5b

Up to 768GiB of Memory SKX - 24C

X1

One of the Lowest Price/GiB of RAM HSX - 16C (4 socket)

X1e

X1 with Extended Memory Footprint HSX - 16C (4 socket)

Z1d

Single threaded compute optimized with high memory SKX - 12C

Bare Metal

8 Socket Xeon with 6 TiB Memory up to 24 TiB; SKX/CLX - 28C

High IOPS at low cost



Storage Optimized

14i (NEW)

NVMe SSD Storage New size with up to 128 vCPUs and 1,024 GiB of memory-ICX

- 1

NVMe SSD Storage and Bare Metal Instances

BDX - 16C

I3en

NVMe SSD Storage and Bare Metal Instances

SKX – 24C

H1

Compute and Memory Balanced, Up to 16TB HDD Storage

BDX - 16C

D3, D3en

Up to 366 TB HDD Storage, Lowest Price/Disk Throughput Perf CLX – 24C Accelerated WLs machine learning, 3D rendering



Accelerated Computing

P3dn

P3 with Local Host Attached NVMe SSDs and up to 100Gbps Network Bandwidth SKX – 24C

G4

2 NVIDIA Tesla M60 GPUs per CPU CLX – 24C

F1

4 FPGAs per CPU BDX - 16C

DL1 (NEW)

Habana Gaudi AI/ML Up to 8 accelerators 40% better price/perf than current GPU-based instances



Intel offerings for customers in the cloud

WORKLOAD BENCHMARKING	With decades of experience in workload benchmarking, Intel helps reduce the time to do baseline performance analysis on public cloud instances for comparisons across Xeon generations and competitive architectures.
PERFORMANCE TOOLS	Intel supports a suite of tools to optimize workloads, raising the performance ceiling. Performance analysis and tuning can be conducted with Intel VTune with Flame Graphs and support for Java, Go, and Python. Cookbooks are in development for use of Vtune on cloud instances.
RESOURCE OPTIMIZATION	Intel is investing to optimize cloud resources and costs. Examples include partnerships with Densify and Granulate to offer optimizers leveraging machine learning to increase utilization and performance at different scopes. Intel also offers Optimized Cloud Images to take the guess work out of configurations and deliver verifiable performance.
OPEN SOURCE COLLABORATION	As a contributor to open source communities, Intel is enabling performance, security, and portability. Examples of Intel's engagements and contributions include Linux, Java, Kubernetes, Ceph, RocksDB, and Cassandra. Intel is also driving native support for Al acceleration through optimizations on common frameworks like TensorFlow.
ARTIFICIAL INTELLIGENCE	Intel has invested in open-source AI frameworks like PyTorch and TensorFlow which now has native support for Xeon AI acceleration technologies (AVX, VNNI) on cloud instances. With hardware and software engineering expertise, Intel is here to provide consultation and software enablement of AI solutions in the cloud.



Portfolio of innovation























OpenVINO™ Toolkit

OpenVINO Toolkit for inference deployment on CPU, processor graphics, FPGA & VPU using TF, Caffe* & MXNet*

Deep Learning Developer Toolkit

Optimized inference deployment for all Intel® Movidius™ VPUs using TensorFlow* & Caffe*

Libraries Data Scientists

MACHINE LEARNING LIBRARIES

Python • Scikit-learn

Pandas

NumPy

 Cart RandomForest

Distributed MlLib (on Spark) Mahout

• E1071





TensorFlow* MXNet*



Caffe*



DEEP LEARNING FRAMEWORKS

Caffe 2 PYTÖRCH



PyTorch* PaddlePaddle³ Caffe2*

Foundation Library Developers

Pvthon

Intel distribution optimized for machine learning

ANALYTICS, MACHINE & DEEP LEARNING PRIMITIVES DAAL

Intel® Data Analytics Acceleration Library (for machine learning)

MKL-DNN

clDNN

Open-source deep neural network functions for CPU, processor graphics

Hardware IT System Architects

FOUNDATION





ACCELERATORS













Inference



New 3rd Gen Intel Xeon Scalable Processor

- Higher workload performance
- Designed for reliability at scale
- New crypto acceleration
- Advanced security capabilities
- Total Memory Encryption (TME)

1.58x Improvement in web microservices performance

40%

Performance improvement (Specrate2017_int_base) on new Ice Lake SKU offerings vs. Cascade Lake

Up to

1.42X

More cores per processor 40-core Ice Lake vs. 28-core Cascade Lake





App Workload @ Intel

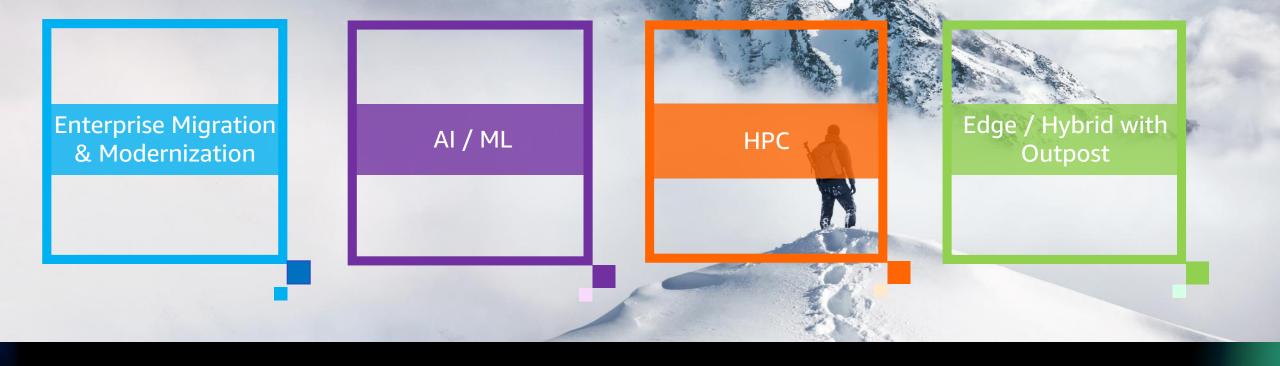












For every point of the cloud journey:

Continued support on typical workloads such as:

- SAP HANA
- VMWare Cloud
- MSFT
- Red Hat OpenShift
- Databricks

AI/ML

Amazon EC2 DL 1 Instances available for deep learning capabilities at 40% better price/performance

New 3rd Gen Xeon with DL Boost

AWS Deep Racer - for the developers

AWS Parallel Cluster

First CSP with verified Intel Select Solution for HPC workloads

Cloud to Edge and Hybrid Solutions

On premise fully managed rack configurations
Optimized for VMWare Cloud Seamlessly extend AI/ML to on premise with Intel based gateways and technologies

Private Networks

Seamlessly extend virtual private cloud (VPC) on premise



SAP-Certified Instances on AWS Powered by Intel® Xeon Processors

Amazon EC2 Memory Optimized instances powered by Intel Xeon processors, have highly scalable memory for memory-intensive enterprise applications that benefit from lower latency. There are more than 40 Intel-powered instances certified by SAP to run Business Warehouse on HANA (BW), Data Mart Solutions on HANA, Business Suite on HANA (SoH), Business Suite S/4HANA.

Workload Instance Family Type			Use Cases	Notable Features 2 vCPUs / core
	Memory Optimized	R6i, R5, R5n, R5dn, R5b	 Mid-size in-memory and high performance databases, distributed web scale in-memory caches, real time big data analytics. 10% price per GiB improvement and a ~20% increased CPU performance over R4 	8 GiB/vCPU memoryUp to 100 Gbps networking (R5n)
SAP on AWS	High Memory/ Performance Database	X1e, X1, X2i	 World's first, purpose-built instance for SAP in the cloud One of the lower price per GiB of RAM within Amazon EC2 Optimized for large-scale, enterprise-class and in-memory applications 	 ~15 GiB / vCPU memory Up to 1,952 GiB of DRAM memory High freq Intel Xeon E7-8880 v3 (HSW)
	Enterprise Scale, In-Memory Database	High Memory	 First ever Amazon EC2 instances built on 8-socket hosts. Large in-memory databases; SAP HANA deployments Set a new record of 480,600 SAPs¹ 	 Up to 448 vCPUs 6, 9 & 12 TB memory on Skylake 18 & 24 TB memory on Cascade Lake

Recommended video - 6 Tips for Selecting the Best Cloud for SAP by Lemongrass, an AWS Premier Consulting Partner

https://aws.amazon.com/blogs/awsforsap/new-sap-certifications-for-aws-instances-and-world-record-benchmark-results/



VMware Cloud on AWS

Unlock the full potential of your Hybrid Cloud with VMware and Intel

Intel and VMware enable optimized and unified hybrid cloud solutions on AWS. VMware Cloud is delivered on next-gen bare metal instances and powered by Intel Xeon processors. Optimized high I/O instances and featuring low-latency Non-Volatile Memory Express (NVMe) based SSDs, customers can integrate their clouds and extend business with VMC on AWS powered by Intel.

Instance type	Instance	Best Use Cases	Notable Features
Storage-	I3.metal	 Best for NoSQL databases, in-memory databases, scale-out transactional databases, data warehousing, Elasticsearch, and analytics workloads 	 72 vCPUs - Broadwell Up to 15TB of NVMe SSD storage 512 GiB memory
Optimized	I3en.metal	 Targeted for Disaster Recovery, large databases and HPC analytics. Optimized for low latency, high random I/O performance, high sequential disk throughput Lowest price per GB of SSD instance storage on Amazon EC2. 	 96 vCPUs - Intel 2nd Gen Xeon Scalable processor (custom CLX) Up to 60 TB of NVMe storage 768 GiB memory



Database, Data Analytics, Big Data

Unmatched breadth of Optimized Instances to Right Size your Instance

Intel data-specific optimizations result in higher cache capacity and faster increased memory bandwidth while instructions such as Intel® Transactional Synchronization Extensions (Intel® TSX) maximize performance while enabling consistent, low latencies. Instances featuring Intel 3rd Gen Xeon® Scalable® processors (ICX) benefit from Intel® Mesh Architecture for efficient and scalable data flow between all vCPUs.

Workload	Instance Family	Instance Type	Best Use Cases	Notable Features
	Memory Optimized	R6i, R5, R5n, R5b	 Fast performance for workloads that process large data sets in memory Memory-intensive applications include high performance databases, enterprise applications, and real time big data analytics 	 Up to 128 vCPUs Up to 768 GiB memory, 100 Gbps nwkg R5b delivers up to 60 Gbps and 260k IOPS of EBS
Database, Data	Storage- Optimized	13, 13en	 Designed for high, sequential read and write access to very large data sets on local storage Deliver tens of 1000's of low-latency, random IOPS NoSQL, in-memory and scale-out transactional databases, data warehousing, Elasticsearch, analytics, Disaster Recovery 	 Up to 96 vCPUs (BDW, CLX) Up to 768 GiB memory, 100 Gbps nwkg Up to 60 TB of NVMe storage I3en offers lowest price per GB of SSD
Analytics, Big Data	Storage- Optimized	D3, D3en	 Optimized for high sequential I/O performance, disk throughput and low cost storage for very large data sets Multi-node file storage systems such as Lustre, BeeGFS, GPFS, VxCFS, and GFS2. High Capacity data lakes 	 Up to 48 vCPUs (CLX), 75 Gbps nwkg Up to 336 TB of HDD storage D3en offer lowest HDD storage costs
	General Purpose	M6i, M5, M5n, M5dn	 Balance of compute, memory and networking resources, and can be used for a variety of diverse workloads 	Up to 128 vCPUsUp to 512 GiB memory, 100 Gbps nwkg
	Compute Optimized	C6i, C5, C5n, C5dn	 Optimized for compute-intensive workloads and deliver cost- effective high performance at a low price per compute ratio. 	Up to 128 vCPUsUp to 192 GiB memory, 100 Gbps nwkg



Artificial Intelligence (AI) and Machine Learning (ML)

AWS and Intel make building custom machine learning and deep-learning models easier and more cost-effective than ever before. AWS C6i and M6i instances, powered by 3rd Gen Intel Xeon Scalable processors offer AVX-512 – and in some instances, DL Boost – to speed up inference and other data intensive workloads.

Workload	Instance Family	Instance Type	Best Use Cases	Notable Features
	Compute Optimized	C6i, C5, C5d, C5n	 Optimized for compute-intensive workloads Deliver cost-effective high performance at a low price per compute ratio 	 Ice lake now available Most instances on SKL with AVX-512 Larger size instances (12, 24.xlarge, metal) on CLX w support for DL Boost 2 GiB / vCPU memory
AI/ML	General Purpose compute	M6i, M5, M5d	 General purpose instance provides a balance of compute, memory, and network resources 	Ice Lake & Sky Lake with Intel AVX- 5124 GiB/vCPU memory
	General Purpose	M5zn	 AWS claims "Fastest Intel Xeon Scalable processors in the cloud.* " M5zn instances are an ideal fit for applications that benefit from extremely high single-thread performance and high throughput, low latency networking, such as gaming, High Performance Computing, and simulation modeling for the automotive, aerospace, energy, and telecommunication industries. 	 CLX with all-core turbo frequency of up to 4.5 GHz AVX-512 and DL Boost Available on bare metal Up to 100 Gbps of network bandwidth on the largest instance size and bare metal variant





THORN and



Critical time saved

65%

Powered by Intel® Xeon®
Scalable processors, Amazon
EC2 C5 instances with Amazon
S3 and Amazon Rekognition
help law enforcement fight
child trafficking.

18,119

Victims identified

5,791

Children identified

6,553

Traffickers identified 🛂

Thorn Finds More Human Trafficking Victims Faster

Empowering law enforcement to collaborate beyond jurisdictions

Need: Abusers use advanced technology to facilitate their exploitation of children, and law enforcement needed to turn the tables and find these children faster.

Solution: Spotlight software ingests >100,000 online escort ads/day, storing them in Amazon S3. Amazon Rekognition in combination with MemSQL, a scalable database for operational analytics, helps find photos that have been edited to defeat image-search engines. Spotlight's ML models run on Amazon EC2 C5 instances, powered by Intel® Xeon® Scalable processors.

Value: Spotlight cut the time it takes by 65% to help the U.S. and Canada identify 18,119 victims—with 5,791 children and 6,553 traffickers identified.

"Spotlight helps officers identify child sex-trafficking ads much faster than the old paper-and-pencil methods."

Brooke Istook Director of Strategy and Operations, Thorn

Products and Solutions

Amazon Rekognition

Amazon S3

Intel® Xeon® Scalable processors

Industry
AI-ML/Image Analysis

Organization Size 1-50

Country
United States

Partners

AWS
Thorn
MemSQL

Learn morePartner Story



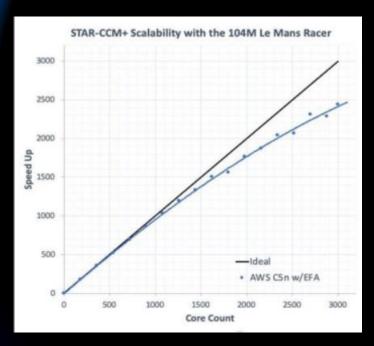
High Performance Computing (HPC)

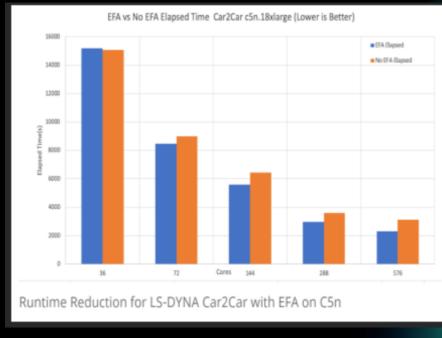
Intel based Amazon EC2 instances power the most computationally demanding applications in a cost effective way at scale. Intel and AWS offer a comprehensive set of leading compute, networking, storage, and visualization technologies to give customers an ideal environment for HPC workloads. Coupled with an extensive partner ecosystem, customers are empowered to innovate more freely.

Workload	Instance Family	Instance Family	Best Use Cases	Notable Features
	Compute Networking Performance	C5n	 Ideal choice for HPC workloads, data lakes Network appliances that can take advantage of improved network throughput and packet rate performance 	 Better memory bandwidth than C5 Up to 100 Gbps network bandwidth 5.25 GB/core memory AVX-512
	Compute Performance	C6i, C5	 Optimized for compute-intensive workloads Deliver cost-effective high performance at a low price per compute ratio 	 DL Boost (12.xlarge, 24.xlarge, bare metal) AVX-512 4GB/core memory
HPC	Fastest Compute	Z1d M5zn	 Z1d targets both memory- and compute-intensive apps Z1d ideal for EDA, gaming, and certain relational database workloads with high per-core licensing costs M5zn delivers high perf, high throughput plus low latency networking for gaming, simulation modeling, telco workloads 	 High single thread performance with sustained all core frequency up to 4.5 GHz Z1d = 16 GiB / vCPU memory Z1d has up to 1.8 TB of instance storage M5zn – up to 100 Gbps network bandwidth
	Balanced Networking	M5 (+M5n, M5dn)	 General purpose instance that provides a balance of compute, memory, and network resources Good for many applications including web, application and gaming servers and small to mid-size databases. 	 8 GB/core memory Up to 100 Gbps network bandwidth (M5n) Up to 3.6 TB of instance storage



C5n and EFA are enabling CAE/CFD codes to scale on AWS





Simcenter STAR-CCM+

ANSYS Fluent

LS-DYNA



Fred Hutch Microbiome Researchers Use AWS to Perform 7 Years of Compute Time in 7 Days

Other benefits

- Processes data from more than 15,000 biological samples
- Increases resolution on microbiome samples to find links to improve health outcomes
- Enables collaboration with other scientific researchers

"Our goal is to accelerate our research processes on AWS so we can get closer to developing therapeutics to fight cancer."

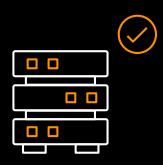
Sam Minot, PhD and Staff Scientist, Fred Hutch Microbiome Research Initiative



https://aws.amazon.com/solutions/case-studies/fredhutch-case-study/



AWS Outposts: proven and familiar AWS and Intel Technology for your hybrid environment



infrastructure
as in AWS data
centers built on
Intel® Xeon® Scalable
processors



Fully managed, monitored, and operated by AWS as if in AWS Regions



Single pane of management in the cloud providing the same APIs and tools as in AWS Regions

If you're already running your applications on Intel® Xeon® servers on-prem you can expect consistent and robust application performance when you run them on Amazon Outposts.



Intel powered AWS Edge Offering

Customers can develop powerful and cost-effective IoT solutions with OpenVINO and Amazon solutions such as Amazon SageMaker and AWS IoT Greengrass on Intel powered gateways and edge devices.

Solution	Instance Family	Instance Type	Best Use Cases	Notable Features
Outposts	Rack	C6i, C5	 Optimized for compute-intensive workloads Deliver cost-effective high performance at a low price per compute ratio 	DL Boost4GB/core memory
Outposts	Server	M6i, M5 (+M5n, M5dn)	 General purpose instance that provides a balance of compute, memory, and network resource. 	AVX-5124 GiB/vCPU memory
Outposts	•		and image recognition with the Intel® Distribution of Opess developers choose from various edge accelerators to spe	• • •
IoT (Edge Device)			os://solutionsdirectory.intel.com/intel_iot_market_ready_s devices.amazonaws.com/search?hwpf=intel&page=1	solution



Internet of Things (IOT)

Customers can develop powerful and cost-effective IoT solutions with OpenVINO and Amazon solutions such as Amazon SageMaker and AWS IoT Greengrass on Intel powered gateways and edge devices.

Workload	Instance Family	Instance Type	Best Use Cases	Notable Features		
loT (Cloud)	IoT (Cloud) Compute Performance	C6i, C5	 Optimized for compute-intensive workloads Deliver cost-effective high performance at a low price per compute ratio 	DL Boost4GB/core memory		
IoT (Cloud)	General Purpose	M6i, M5 (+M5n, M5dn)	 General purpose instance that provides a balance of compute, memory, and network resource. 	AVX-5124 GiB/vCPU memory		
ML Inferencing w/ OpenVINO Developers can accelerate ML inference and image recognition with the Intel® Distribution of OpenVINO™ toolkit in the AWS Marketplace. The Toolkit lets developers choose from various edge accelerators to speed up edge to open the AWS Marketplace.						
IoT (Edge Device)	 Intel IoT Market Ready Solutions: https://solutionsdirectory.intel.com/intel_iot_market_ready_solution AWS edge device catalogue: https://devices.amazonaws.com/search?hwpf=intel&page=1 					



Hospital Optimizes Efficiency with Datarwe on AWS and Intel

Challenge

As Gold Coast University
Hospital streamed and
aggregated more data into its
electronic medical records
system, it wanted to bring in
real-time streaming data and
use bedside medical data to
create a new application.

Solution

The hospital worked with Datarwe, an AWS Public Sector Partner, to deploy Clinical Data Nexus, an acute care medical research data platform that runs on AWS and uses Intel Xeon Processors.

Benefits

- Collects data on hundreds of patients daily
- Gains insight into patient outcome or risk prediction
- Gains better visibility into hospital supply and demand for ICU beds
- Drives new efficiencies

Gold Coast Health

About Gold Coast University Hospital

Gold Coast University Hospital, based in Southport, Australia, is a 750-bed tertiary teaching hospital that serves the needs of most of the population of Australia's Gold Coast. The hospital offers facilities for cancer and cardiac services, neurosciences, trauma, and intensive care.

rices,



About Datarwe

Datarwe, an AWS Public Sector Partner, is a data-driven technology company that provides an acute care medical research data platform as a service. The platform collects data from de-identified intensive care episodes and enriches the data to be research ready.

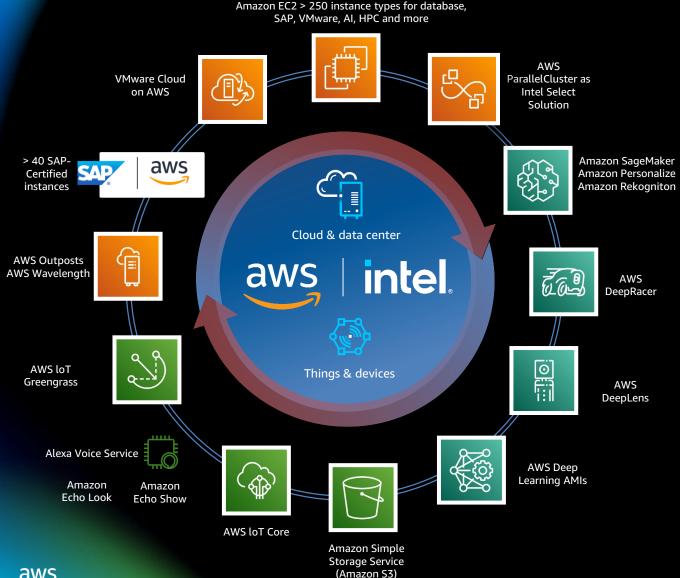
The world of medical IoT is in its infancy, and we have an enormous amount of equipment in hospitals that is not connected. The Datarwe solution, because of the power of AWS and Intel, will help us start unlocking the potential of medical IoT data.

- Dr. Brent Richards, Medical Director of Innovation and Director Critical Care Research, Gold Coast University Hospital

AWS and Intel - Better together



Summary



- Close collaboration between Intel and AWS has resulted in best-inclass end-user experience and customer successes.
- Instance types with the best TCO on Intel to accelerate your customers' applications across a variety or workloads.
- Existing solutions for deployment with many successful outcomes delivering both high performance and cost savings.

Learn | Explore | Engage Al on Intel



Learn

More information at https://aws.amazon.com/intel/ on AWS & Intel



Explore

New instances based on Intel Xeon Scalable on AWS (M6i,C6i, R6i, M5, C5, C5n, R5, T3)



Engage

Contact your Intel/AWS representative for access to Intel AI and POC opportunities/case studies



CREATE WORLD CHANGING TECHNOLOGY THAT ENRICHES THE LIVES OF EVERY PERSON ON EARTH



Thank you for attending AWS Innovate – For Every Application Edition

We hope you found it interesting! A kind reminder to **complete the survey.**Let us know what you thought of today's event and how we can improve the event experience for you in the future.

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- youtube.com/user/AmazonWebServices
- slideshare.net/AmazonWebServices
- twitch.tv/aws



Thank you!

Akanksha Balani

AWS APJ Alliance head @ Intel Global AI GTM Lead

