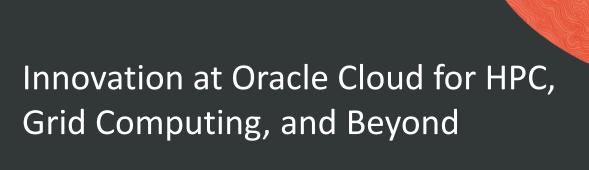
Safe harbor and forward-looking statements

This presentation is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

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Attila Narin Vice President of Cloud Engineering Oracle Oracle Cloud Infrastructure Global Footprint



October 2016



Oracle Cloud Infrastructure

Global Footprint



Stockholm

Today











OCI Gen2 Advantages

A 2nd Generation Cloud built for HPC, Grid Computing, and AI workloads



Off-Box Virtualization



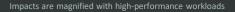
Non-Blocking Networks



Remote Direct Memory Access (RDMA)



More Local NVMe Storage





OCI Supercluster - run faster and more cost effectively



RDMA cluster networking

Highest performance, lowest cost GPU cluster technology in the world

Latency: ~2μs Bandwidth:

NVIDIA H100: 3.2TbpsNVIDIA A100: 1.6Tbps

Cluster size:

 Tens of thousands of NVIDIA H100 or A100 GPUs



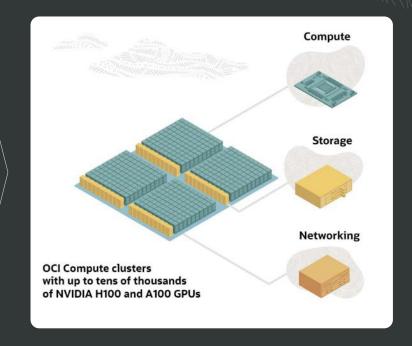
Nonblocking networks

More Local NVMe Storage

Provides the largest cache for checkpointing

• H100: 61.4TB/node

• A100: 27.2 TB/node









Posted December 10, 2023

STAC Report: Oracle Cloud Infrastructure with NVIDIA SXM4 GPUs under STAC-A2 (derivatives risk)

New records in cloud price performance

NVDA231026

Compared to all publicly reported solutions to date, this solution demonstrated the best price-performance among all cloud solutions (48,404 options / USD) over 1 hour, 3 days, and one year of continuous use¹

Compared to the most recently audited, single-server cloud-based solution (INTC221006b), this solution:

- Demonstrated 3.2x, 3.2x and 2.0x price-performance advantages (options / USD) for 1 hour, 3 days and 1 year of continuous use respectively¹
- Had 14.6x the throughput (options / second)²
- Demonstrated 6.8x / 7.8x the speed in cold / warm runs of the baseline Greeks benchmarks³
- Demonstrated 9.0x / 4.3x the speed in cold / warm runs of the large Greeks benchmarks⁴

Stack under test (SUT): CUDA 12.2 with 8 x NVIDIA A100 SXM4 40 GiB GPUs in an OCI BM.GPU4.8 instance.

¹STAC-A2.β2.HPORTFOLIO.PRICE_PERF.[BURST | PERIODIC | CONTINUOUS]

²STAC-A2.β2.HPORTFOLIO.SPEED

³STAC-A2.β2.GREEKS.TIME.[COLD | WARM]

⁴STAC-A2.β2.GREEKS.10-100K.1260.TIME.[COLD | WARM]

⁵STAC-A2.β2.GREEKS.[MAX_ASSETS | MAX_PATHS]





Posted January 22, 2024

STAC Report: Oracle Cloud Infrastructure 8-node Intel cluster under STAC-A2 (derivatives risk)

Numerous new records for non-accelerated cloud solutions

INTC231113

Compared to all publicly reported, non-accelerated cloud solutions to date, this solution set numerous records:

- The best price-performance (19,788 options / USD) over 1 hour and 3 days of continuous use1
- The highest throughput (119.2 options / second)²
- The fastest warm time (24.3 ms) in the baseline Greeks benchmark³
- The fastest cold (2.98 s) and warm (1.96 s) times in the large Greeks benchmarks⁴
- The most correlated assets (145) and Monte Carlo paths (7,000,000) simulated in 10 minutes⁵

Compared to the previously most price-performant, non-accelerated cloud solution (SUT ID INTC221006b), this solution demonstrated a 1.3x price-performance advantage (options / USD) for 1 hour and 3 days of continuous use¹

Stack under test: STAC-A2 Pack for Intel® oneAPI (Rev N) with 8 x OCI BM.Optimized.3.36 bare-metal servers, each server providing 2 x Intel® Xeon® Gold 6354 (Ice Lake) CPUs and 512 GiB of DRAM, networked via RDMA over 100 Gbps Ethernet.

¹STAC-A2.β2.HPORTFOLIO.PRICE_PERF.[BURST | PERIODIC] ²STAC-A2.β2.HPORTFOLIO.SPEED ³STAC-A2.β2.GREEKS.TIME.WARM ⁴STAC-A2.β2.GREEKS.10-100K.1260.TIME.[COLD | WARM] ⁵STAC-A2.β2.GREEKS.[MAX_ASSETS | MAX_PATHS]



OCI for Financial Services

Tier1 Multinational **Investment Bank**

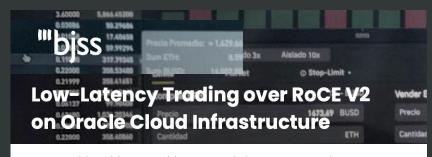
Monte Carlo Simulation with significantly higher performance based on 2x network throughput





Nomura Research Institute Selects OCI Dedicated Region to Support Hundreds of Millions of Financial Trades a Day





HPC workload boosted by 5x and deterministic latencies at the us level at very high message volumes





















Thank you!

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