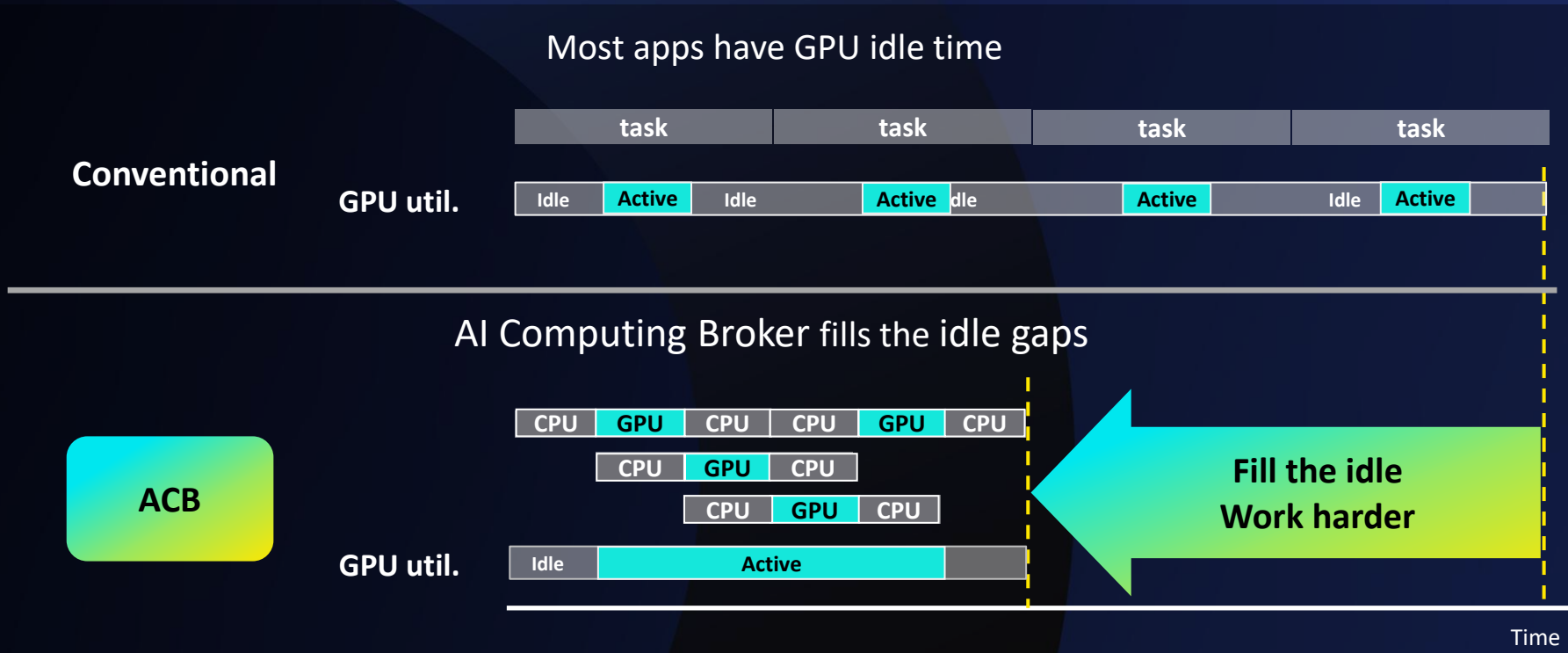
Make your GPUs work harder: AI computing broker

Powerful GPUs, Underutilized

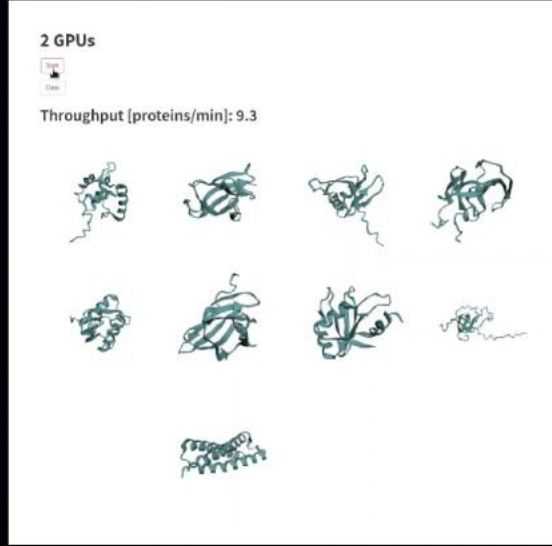


ACB Demo ①

AlphaFold2 : AI application for predicts the 3D structure of a protein

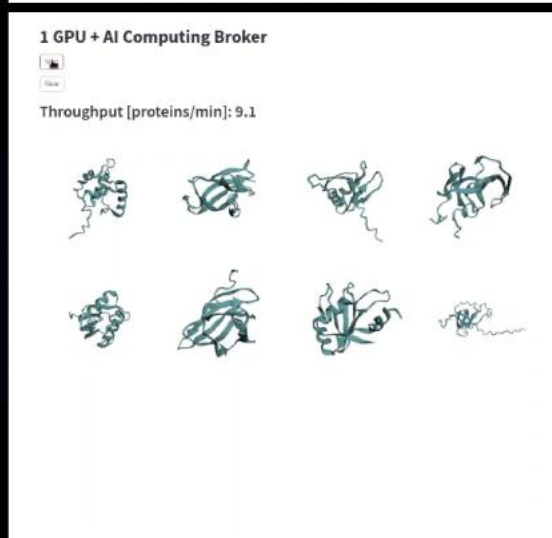
Conventional

AF2 running on 2 GPUs



AI Computing Broker

AF2 running on 1 GPU — same performance



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ACB Demo ②

LLM：Large Language Model inference across multiple GPUs

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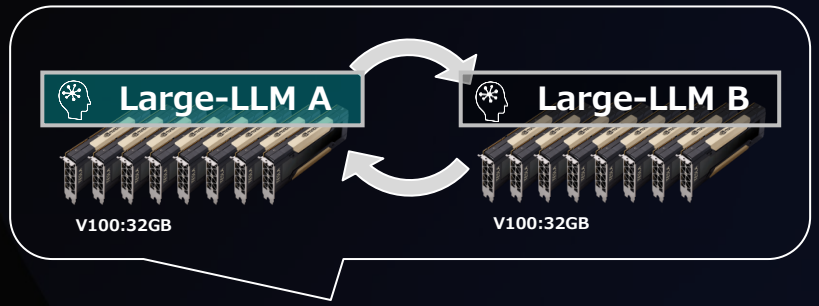
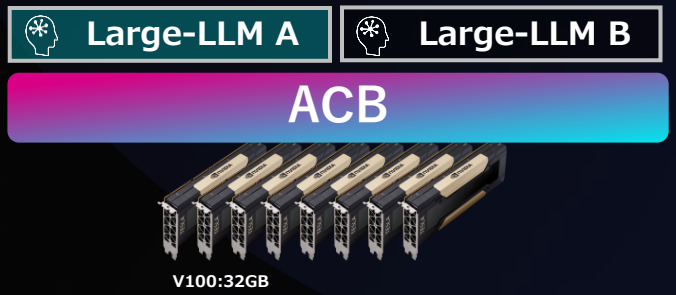
1 LLM on a server with 8 GPUs





Multiple LLM can run on a server

ACB — Real-world Impact

Use case

Xtreme-D

Improving GPU AI workload efficiency and reducing computational costs

- Now running on Raplase RTX PRO 6000 Blackwell Server Edition instances -

Xtreme-D's supercomputing-based system tuning + ACB:
more concurrent jobs, higher throughput,
no loss in training performance

Business Issues
Low GPU utilization & memory limits bottleneck workloads

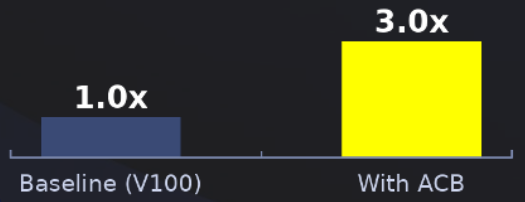
Solution
ACB optimizes GPU allocation, complementing the existing scheduler

Impact
Over 3x throughput on the same GPU (based on Xtreme-D's benchmark)

GPU Jobs Throughput per unit time

Raplase

3x or more



About Xtreme-D

(Xtreme-D inc. https://xtreme-d.net/)

Xtreme-D offers a multi-cloud compatible and high-speed AI platform service Raplase(Ra+)

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Your GPUs work hard.
Could they work smarter?

Ask us for a demo or PoC with ACB