

AI Computing Broker

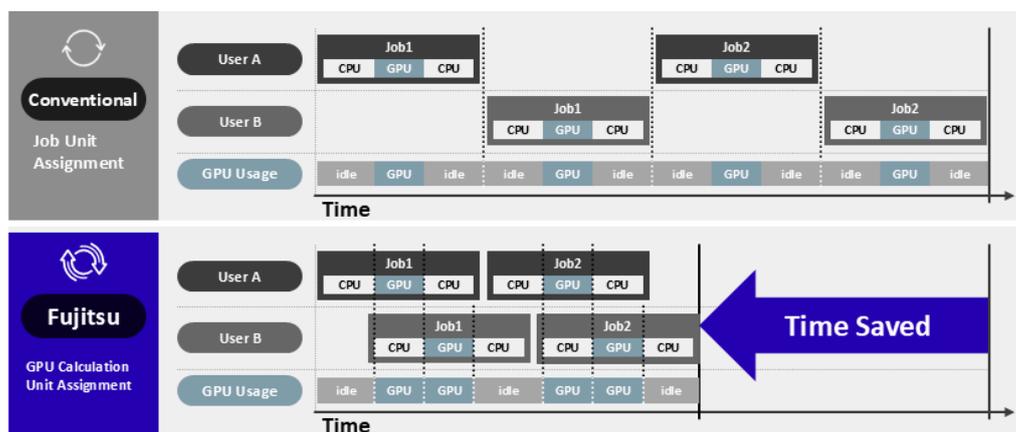
"Your GPUs aren't lazy —Your Scheduler is: ACB makes GPUs work harder — not cost more!"

ACB
website



1. What It Is

Fujitsu AI computing broker (ACB) is an intelligent middleware that optimizes GPU allocation and manages memory oversubscription. ACB complements existing schedulers, helping organizations overcome GPU shortages and underutilization. It enables larger workloads in oversubscription scenarios without extra hardware, integrating seamlessly to boost efficiency and accelerate results. ACB is also flexible enough to run as a stand-alone solution while integrating smoothly into existing environments without disruption.



2. Why It Matters

- **Wasted GPU Capacity & High Costs:** 75% of organizations underutilize GPUs, driving up costs.
- **Memory Limits Hinder AI Scale:** GPU memory limits hinder use of large models and training speed.
- **Scheduling Conflicts Delay Critical Jobs:** Inefficient scheduling leads to resource contention, delaying critical AI jobs and lowering overall GPU utilization.
- **Slow Deployment & Complex Changes:** Code modifications and complex configurations slow deployment, hindering AI development agility.

3. Key Benefits

- **Runtime-aware GPU allocation:** Monitors AI framework to allocate as GPUs needed.
- **Full Memory Access:** Active program has access to the full GPU memory.
- **Advanced Scheduling:** Uses techniques like backfilling to optimize job placement and maximize GPU utilization.
- **Fast Deployment:** No code changes required in user programs.

4. Case studies

- ACB dynamically shares GPU resources between multiple AlphaFold2 jobs, maintaining throughput increasing GPU utilization by 45%.
- ACB manages multiple LLMs on a single GPU server, optimizing memory usage and enabling concurrent model serving without delays.

5. Ready to Learn More?

- Book a 30-minute discovery call, explore our technical brief, and join the early access program with a free 30-day trial to start optimizing your GPU resources today. [\[Get started now\]](#)